



CV-TAC400 Telephone Access System

Installation Guide



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Product Overview

The CV-TAC400 Entry Phone provides a simple, efficient and cost effective solution to condominium townhouse or gated community access control and suite monitoring. The base unit permits multiple devices for Door, Elevator and Garage control connected to its RS485 network.

The directory lists multiple suites and provides access codes with access levels. The access and elevator levels determine what areas are accessible to the resident.

Access into and throughout a building is provided by means of Entry Phones, Card Readers, Radio Receivers, and Elevator Controllers. The CV-TAC400 greatly simplifies the installation and programming of these devices through a common set of programming algorithms and entry screens.

Elevator control for up to 4 cabs with 48 stories per building is provided. Elevator access may be controlled through any device, i.e. Entry Phones, Card Readers or Receivers, in a variety of practical applications. For example, a visitor may call the suite owner through the entry phone. Upon granting access to the visitor by depressing a key on the telephone or suite panel, the CV-TAC400 will release the lobby door, determine the floor of the suite owner and allow the visitor to have access only to that floor. In another scenario, the Camden CV-TAC400 may grant access to a floor through a proximity card or RF transmitter code presented by the user.

The CV-TAC400 is flexible enough to offer a myriad of possibilities including direct elevator access into suites, which is very common in loft apartments.

THE CV-TAC400 is programmed using the SFT5202 Windows Client software which runs on a Windows based PC. The CV-TAC400 may be connected to the Windows PC remotely using a dialup connection or connected locally using a USB to RS485 converter.

All of the program settings may be viewed from the CV-TAC400 LCD screen menu.

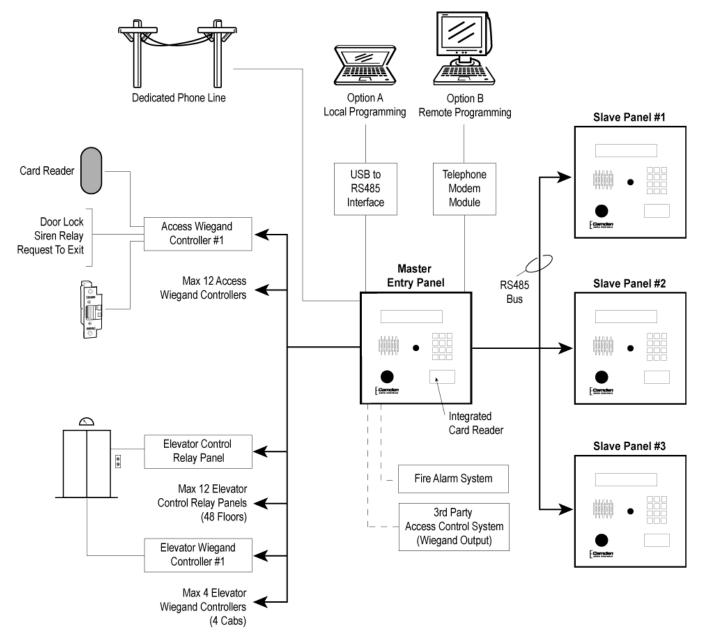


Figure 1 - System Block Diagram



Hardware

- 1. Cut a 10" x 10" square hole in the wall adjacent to wall stud.
- 2. Install back box using 3 #10 screws. Wood screws for wood studs and metal screws for metal studs.
- 3. Punch through knockouts and run cables as required.
- 4. After all electrical connections are made, place front panel against back box and fasten with supplied security screws.

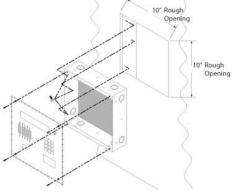
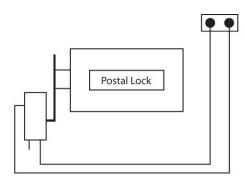


Figure 2 - Chassis Installation

Connecting the Postal Lock Switch

The common connection (black wire) is connected to one terminal of the postal lock terminal connector. For a standard postal lock the NC connection (white wire) is connected to the other terminal of the postal lock terminal connector.

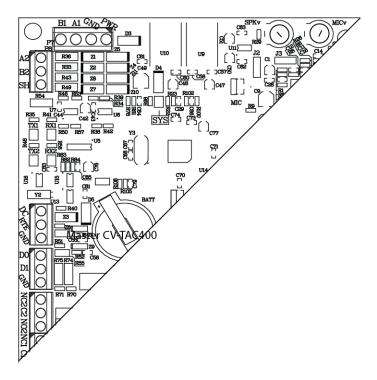
The standard postal lock is configured so that the bolt is retracted when the lock is engaged. (Key turned in lock). Ensure the postal lock is mounted so that the switch lever moves when the postal lock is engaged. Do not connect the postal lock switch until the postal lock is installed.



Postal Lock Switch

Adjusting the Speaker and Microphone Volume

The volume controls for the speaker and the microphone are found on the rear of the front panel. There are 2 volume control potentiometers located at the top center of the main PCB as shown below marked SPKv and MICv.. Adjust the controls clockwise to increase the volume/microphone levels and counter clockwise to decrease the levels.



Speaker and Microphone Volume Controls

Software

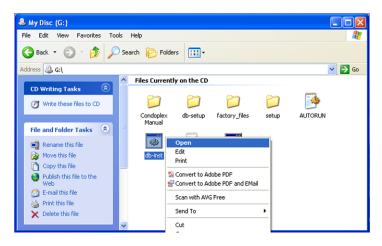
Installing the SFT5202 Software

1. On a Windows XP system, follow the steps below:

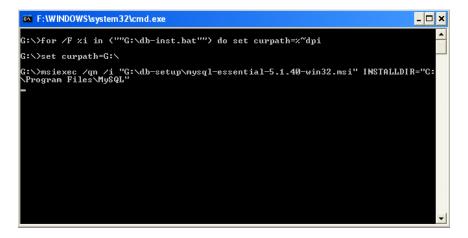
a. Insert the CD into the computer.

The system will open a dialog box allowing you to choose what to do with the CD. Choose the "Open Folder to View Files…" option. (if a window doesn't automatically open use the Windows Explorer to view the files on the CD).

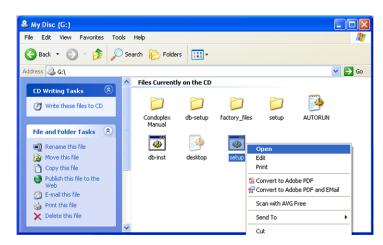
b. Select the "db-inst.bat" file with the right mouse button. A menu will open up next to the file.



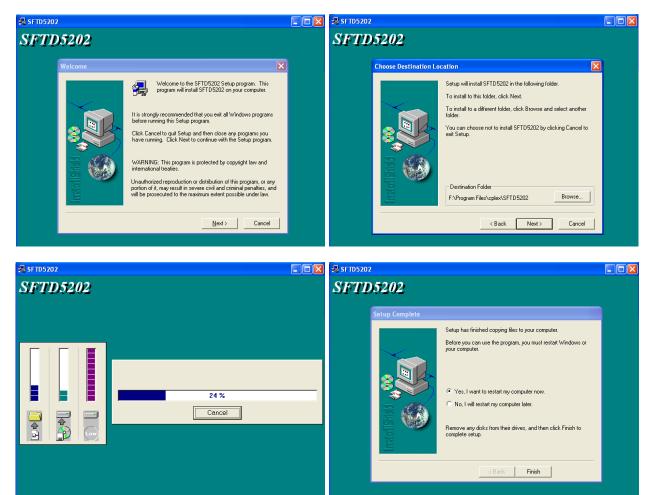
In that menu select the "Open" option. A command window will open, processes will run automatically and the command window will close. If a security screen appears allow the installation to proceed.



c. Select the "setup.bat" file with the right mouse button. A menu will open up next to the file.



In that menu select the "Open" option. A command window will open and an installation screen will appear. Follow the directions on the screen. If a security screen appears allow the installation to proceed.



d. When the installation is complete restart the system.

2. On a Windows Vista system, follow the steps below:

a. Insert the CD into the computer.

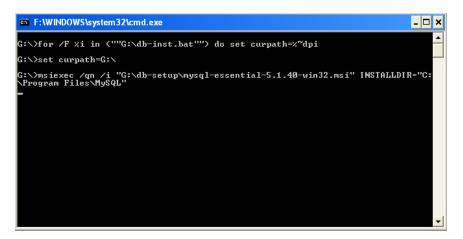
The system will open a dialog box allowing you to choose what to do with the CD. Choose the "Open Folder to View Files..." option. (if a window doesn't automatically open use the Windows Explorer to view the files on the CD)



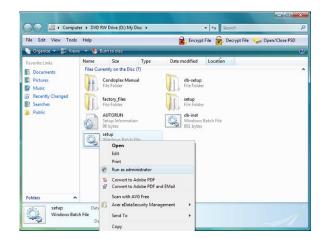
b. Select the "db-inst.bat" file with the right mouse button. A menu will open up next to the file.

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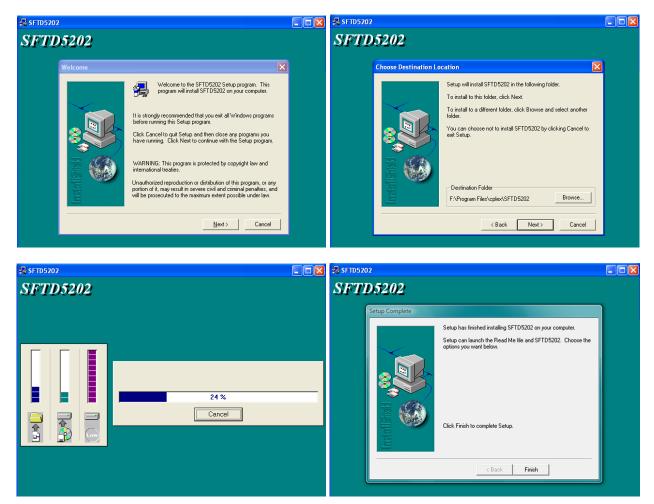
In that menu select the "Run as administrator" option. A command window will open, processes will run automatically and the command window will close. If a security screen appears allow the installation to proceed.



c. Select the "setup.bat" file with the right mouse button. A menu will open up next to the file.



In that menu select the "Open" option. A command window will open and an installation screen will appear. Follow the directions on the screen. If a security screen appears allow the installation to proceed.



d. When the installation is complete restart the system.

CV-TAC400 integrated telephone entry and access control system is ideal for multi-unit residential and commercial buildings, with up to 500 suites/names. As a stand-alone telephone entry system, CV-TAC400 provides maximum performance, durability and economy. In a multi-panel (up to 3 slave panels), integrated configuration (telephone entry and card access) or with multiple locations, CV-TAC400 provides unprecedented performance and value.

This application guide will cover the minimum steps required for you to install and program the CV-TAC400 in some of the most common configurations.

- 1. Basic Master Configuration
- 2. Master with Internal Access Control Reader
- 3. Basic Master with Slave
- 4. Basic Master with Slave Unit and Access Control

Each section contains complete and comprehensive instructions on the physical connections and the software programming required to get your CV-TAC400 system operational as efficiently as possible.

3 1 Configurations

Basic Master Configuration

These instructions are for a CV-TAC400 configured as a master device to call suites over the telephone and allow entry through a single door when the correct telephone key is pressed.

Hardware Connections

All hardware connections are to be made before applying power to the unit.

Using the Ferrite Cubes

To maintain compliance with emission standards the installer must install the supplied Ferrite Cubes on the Power and Telephone line connections. Each connection is passed through its own cube.

The power connections (GND, PWR) must be passed through the hole in the supplied ferrite cube

The telephone line must be passed through the hole in the other supplied ferrite cube.

1. Connect the Telephone Line

A dedicated telephone line is required. TIP and RING connections are provided to allow connection to a telephone line. Typically, TIP is green and RING is red.

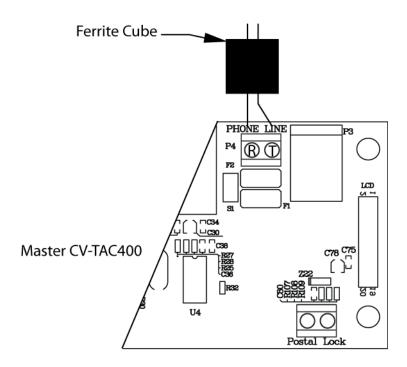


Figure 3 - Master CV-TAC400 Tip and Ring Connections

2. Connect the Modem Module (Optional)

An optional CV-TAC4M modem module is used to connect to a remote computer for programming the CV-TAC400. The remote computer must have a modem connection and calls the CV-TAC400. Details of programming the CV-TAC400 are contained in the section "Remote Connection Using a Modem"

When a modem connection is used the CV-TAC400 must be configured to use a shared phone line.

The telephone line connected to the modem module may be the same telephone line used by the CV-TAC400 to call the suites.

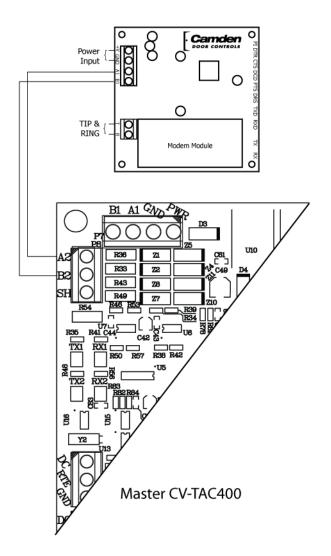


Figure 4 - Optional Modem Module Connection

3. Connect the Computer

If you are not using the modem module above, a direct connection to a computer is required for programming the CV-TAC400. An RS485 to USB converter is used. Connect the RS485 Converter as shown in Figure 5.

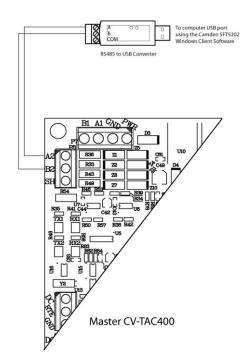
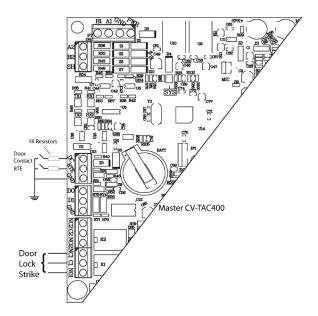


Figure 5 - RS-485 Connection to Computer

4. Connect the Door Lock

Connect the door lock to the door relay and door lock power. The exact nature of the connection depends on the specific lock used. (Figure6)





5. Connect the Power

Connect power (12 VDC) to the CV-TAC400 power connections on Port 1. (Figure 7)

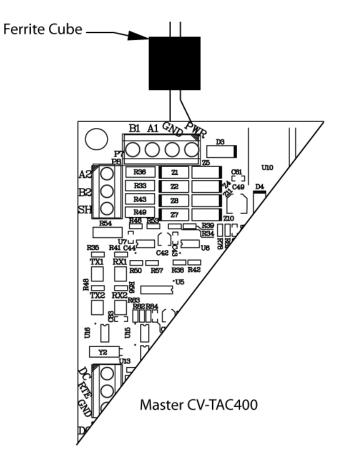


Figure 7 - Door and Power Connections

6. Set the Time and Date

Setting the time and date requires you to login to the CV-TAC400 locally via the front panel.

A. Logging In

To access the service mode the user must login with a password. To do this, follow the steps below:

Press and hold the 1, 4 and 7 buttons until the display shows "Enter password [___]". Enter the CV-TAC400's password. The default Password is "1234#". The Main Menu will be displayed.

> Main Menu →1. Event Log

- 2. Data Display
- 3. Service Menu

4. Date and Time5. Exit

Note: To access additional menu items press # to move down and * to move up the menu.

1 you enter the wrong password five times in a row, you will be locked out of the unit for 2Hrs. Even the help code will not be available.

If the wrong password is entered the display will show: "Password Incorrect". You may then repeat the process.

From the main menu select 4. Date & Time

The Date and Time menu allows changing the CV-TAC400's date and time. When the Date and Time menu is selected a display similar to the example figure below will be displayed.

ELP Time and Date:
2009–Oct-19
Monday
16:14:16

To change the date or time you position the cursor under the item you want to change and then use the 1 and 3 keys to increment or decrement that item. The # key moves the cursor right and at the end of the line moves down to the next line. The * key moves the cursor left and at the left end of the line the cursor moves up to the next line.

When you have finished changing the date and time the 0 key exits to the main menu.

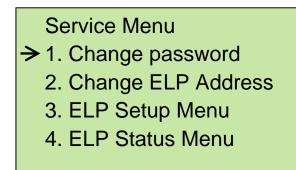
The following table summarizes how the keys affect the display:

Key	Action
#	Moves cursor right and down
*	Moves cursor left and up
1	Increments the value above the cursor
3	Decrements the value above the cursor
0	Exits the date and time menu

7. Set the DIP Address of the CV-TAC400 to 1

From the front panel of the Master CV-TAC400, select 3 Service Menu from the Main Menu.

Select '2', Change ELP Address.



- 5. Dispatch / Request Data
- 6. Restore ELP Default
- 7. Exit

To change the CV-TAC400 DIP Address, enter the new address using the number keys. Select an

address from the table below. To save the address you have just entered, press the # key. To exit without changing the password enter the * key.

There must be one and <u>only one</u> Master CV-TAC400. Each system may have up to 3 slave CV-TAC400's. The addresses must be unique within each system.

Address	CV-TAC400 Operation
1	CV-TAC400 Master
14	CV-TAC400 Slave 1
15	CV-TAC400 Slave 2
16	CV-TAC400 Slave 3

8. Starting the SFT5202 Windows Client Software

The following instructions apply only if the default file locations were used in the software installation. If any changes were made that location should be used.

To start the SFT5202 Windows Client Software open (double click) the SFT5202 icon on the desktop

If there is no SFT5202 icon on the desktop the following steps may be performed:

- a. select the Start Menu from the windows desktop
- b. select Programs from the start menu
- c. select the "remoteAdmin" folder
- d. select SFTD5202D from the list. The main SFT5202 Windows Client Software window will be displayed

9. Establishing a Connection with the CV-TAC400

The CV-TAC400 is programmed via a Windows PC, using an USB to RS485 converter for local access or an optional CV-TAC4M Modem Module for a remote dialup connection.

Remote Connection Using a Modem

Overview

The CV-TAC400 may be connected to a computer system over a telephone line. To do this the CV-TAC400 requires the modem module. The computer requires a modem connected to it and the SFTD5202 software.

Using the modem is identical to the RS485 connection after the connection has been made. Because a computer with a modem may be used to manage multiple CV-TAC400's, the "Open Session" initialization is not used. Downloading and uploading data using the modem is described below in sub-section 11 - 'Open a Session with the CV-TAC400 (Working Online with a Modem Connection) and sub-section 16, Part B – 'Uploading Saved Information into the CV-TAC400 – Working Online Using the Modem Module'.

The telephone number and password for each building must be entered into the system. When you wish to update that particular building the dialing information can be selected from that list.

Configuring the SFTD5202 Software for the Modem

Overview

Each time the modem is used the modem must be initialized. Once the modem is initialized it may be used until the SFTD 5202 software is closed.

Finding the COM Port

To identify the modem to the SFTD5202 software the computer system gives it a name, such as COM3. To use the modem you must know its COM port number. Determining the COM port varies depending on the computer's operating system.

Different versions of the operating system will have different methods for determining the COM port. The following discussion may not exactly match your particular system. In general, for Windows Operating systems the "Control Panel" will have an icon for modem options. It may be under the "Hardware and Sound" Icon or directly visible. Selecting it will show which COM port the modem is connected to.

Changing the Settings

- a. To change the communications settings follow the steps below:
- b. Start the SFT5202 Windows Client Software
- c. Select the "Setup" menu. A list of submenus will be displayed
- d. Select the "Communications" submenu. The "Communication Setting" form will be displayed

SFT5202	Edit Data Records Backup	Setup System File Setu	p/Maintenance About Ex	a	D
	Camden	Communications Dial Up		Camden	Ca
nden	Camden	List Remote Modem(s) S Remote Modem(s) Pass Configure Remote Mode	moden	Camden	Ca
nden	Camden	Message output ON	unden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

e. In "Connection" box select Modem.

SFT5202 ssion View/Edit Data Records Back		em File Setup/Maintenance /	bout Exit	-
CICE Communication Setting				No. Contraction of the second
Com Port COM	4 💌	Connection C RS485 Line	Modem	æ
Data Bits	3	Baud Rate : 5600	0 v bps	Ze
de		Parity		Fé
Flow Control		None C (Odd C Even	-
	Son/Xoff	Stop Bits	Echo	~
	ion/RTS	@ 1 C 2	⊂ On ● Off	Ce
Test Connectio	n	Save Settings	Close	Ce
den Camder	Can	den Cam	len Camden	
	-			1
den Camder	Can	den Camo	len Camden	C

- f. In the "Com Port" drop down box, select the COM Port the Modem is connected to.
- g. In the "Data Bits" box select 8.
- h. In the "Flow Control" box select "none".
- i. In the "Parity" box select "None".
- j. In the "Stop Bits" box select "1".
- k. In the "Echo" box select ""Off".
- I. When you are done Save the settings by selecting the "Save Settings" button

Initializing the Modem

NOTE: The modem will remain initialized until the SFTD5202 software is shutdown. This initialization procedure must be performed each time the SFTD5202 software is restarted.

To initialize the modem follow the steps below:

a. Ensure the "Communication Setting" form is displayed.



b. Select the "Save" button.

🛃 SFT5202	The Data December Decision	Taken Barbara Pla Pat	Jo/Mantenance About E		Þ
			Camden		Ca
nden	Camden	Camden	- Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	C i Successf	ully initialize modem	Camden	Ca
nden	Camden			Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	- Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

c. The modem is initialized.

Setting the Remote Modem

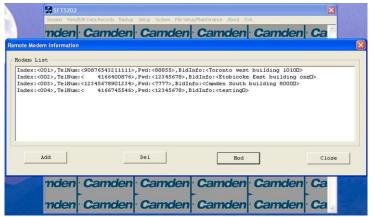
Overview

Each remote site that this system connects to will have an associated password and phone number. These may be stored in a list so that they may be easily accessed.

Setting up a Remote Modem

To add a remote site and its phone number and password to the list of sites follow the steps below:

- a. Start the SFT5202 Windows Client Software.
- b. Select the "Setup" menu. A list of submenus will be displayed
- c. Select the "List Remote Modem(s) Setting" submenu. The "Remote Modem Information" form will be displayed.



d. Select the "Add" button. The "Modem Information" form will be displayed

ndex:<00	odem Information			
ndex:<00 ndex:<00 ndex:<00	Index: 005	Telephone Number:		
ndex:<00	ELP Default Password:			
	Building Information:	,		
	-			1
	OK		Close	_
Ad			nou	ose

- e. Enter the Remote telephone number in the "Telephone Number" box.
- f. Enter the Remote modem Password in the "ELP Default Password" box.
- g. Enter the Building Identification in the "Building Information" box.

	formation odem Information			
Index:<00 Index:<00 Index:<00 Index:<00	Index : 005 ELP Default Password Building Information:	Telephone Number:	4165551122	
A		ок	Close	

h. Select "OK" to save the information or "Close" to exit without saving

Starting a Connection

Overview

To communicate with a remote system via modem you must first start the connection. As the system does not know which system will be connected you do not use start session.

Starting the Connection

- a. To start a connection to a remote system follow the steps below:
- b. Start the SFT5202 Windows Client Software.
- c. Select the "Setup" menu. A list of submenus will be displayed

🗿 SFT5202	1				
	Edit Data Records Backup	Setup System File Set			
nden	· Camden	Dial Up	mden	Camden	·Ca
nden	Camden	List Remote Modem(s) : Remote Modem(s) Pass Configure Remote Mod	mden	Camden	Ca
nden	Camden	Message output ON	mden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
mden	Camden	Camden	Camden	Camden	Ca

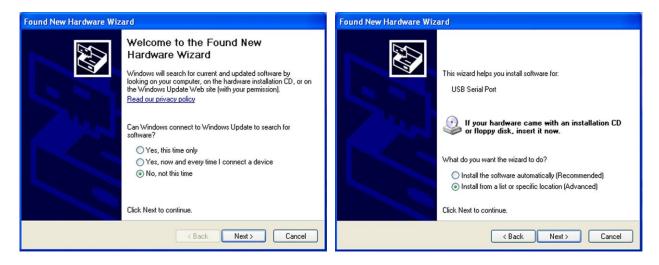
d. Select the "Dial Up" submenu. The "Dial Up" form will be displayed.

den	Camden	Camden	· Camden	· Camden	C
den	Camden	Camden	Camden	Camden	C
del	No. 1990	Þ	~	>(
dei	Building :			•	2
dei	002	Toronto west building 1 Etobicoke East building	gonel	1	C
dei	Password:	Camden South building	80001	~	C
dei	Di	al up		Close	
	-	-		Camden	

- e. Select the remote site from the list of remote sites in the "Building" drop down list. If the building is not in the list you may enter the information in the form.
- f. Select the "Dial up" button to start the connection or Close to exit with starting the connection.

RS485 to USB Converter

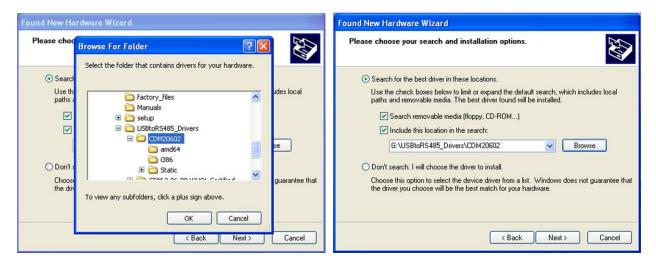
Plug the USB to RS485 converter into an empty USB port on your computer. A prompt to search the internet for a driver will pop up. Select 'No, not this time' Press Next. In the next window, select 'Install from a list or specific location [Advanced]'



Select 'Include this location in the search' and press Browse. In the Browse For Folder window, select the software CD supplied with your system.

	Found New Hardware Wizard
Found New Hardware Wizard Please choose your search and installation options.	Please choose your search and installation options.
 Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed. Search removable media (floppy, CD-ROM) Include this location in the search: F:\Documents and Settings\Jack\My Documents\M <>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Search Browse For Folder Use tr Browse For Folder Select the folder that contains drivers for your hardware. Select that drivers drivers for your hardware. Select that drivers drivers drivers drivers driter drivers drivers
< Back Next > Cancel	OK Cancel

Open the USBtoRS485_Drivers folder and select the CM20602 folder. Press OK. Select Next to start installing the driver.



The driver will be installed. Select Finish when done.

Found New Hardware Wizard	Found New Hardware Wizard		
Please wait while the wizard searches	Completing the Found New Hardware Wizard		
	The wizard has finished installing the software for:		
USB Serial Port	USB Serial Port		
Z			
	Click Finish to close the wizard.		
< Back Next > Cancel	< Back Finish Cancel		

- 10. Open a Session with the CV-TAC400 (Working Online with an RS485 Converter))
 - a. Select the Session Menu.

w/Edit Data Records Backur m Ela Sa Vie amden Camden Camden Camden Ca Close Session Exit Session nden Camden Camden Camden Camden Ca nden Camden Camden Camden Camden Ca

b. Select Open Session.

		🛃 SFT5202	Ś.					ĸ
		Session View/	Edit Data Records – Backup	Setup System File Set	up/Maintenance About Ex	it.		
		nden	Camden	Camden	· Camden	Camden	Ca	
		nden	Camden	Camden	Camden	Camden	Ca	
		nden		g data from the remote I	ELP520	den	Ca	
		nden	Ga	wait, process may requi	re up to 2 minutes	den	Ca	
		nden		30RT to cancel		den	Ca	
		nden	Ca	ABORT]	den	Ca	
		nden	Camden	Camden	Camden	Camden	Ca	
		nden	Camden	Camden	Camden	Camden	Ca	
		nden	Camden	Camden	Camden	Camden	Ca	2
c.	Select OK when the	sessio	on has fir	ished loa	ding.			Ī

SFT5202					
		Setup System File Set			
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Cam	Session Opened. Local and	remote ELP Databases Syni		Ca
nden	Cam		K]	mden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

- 11. Open a Session with the CV-TAC400 (Working Online with a Modem Connection)
 - a. Select the "File Setup/Maintenance" menu and select "Import Data from an CV-TAC400(s).

🍰 SFT5202									
	Edit Data Records Backup		up/Maintenance About E:		Ca				
nden	Camden	Came Load	Carros Load Factory default file from Local Computer File Load the Backup you created into SFTS202 Create Backup File(Uses the Current Configuration File)						
nden	Camden		rt Data from an ELP520(s) rt Data to an ELP520(s)		Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				

b. Scan for Remote CV-TAC400s. Select the remote CV-TAC400 from the list you wish to communicate with.

🛃 SFT5202		×
_	Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
nden	mport Data from an ELP520(s)	· Ca ≙
nder	Scan Start Dip: 1 End Dip: 5	Ca
nder	Remote ELP520	Ca
nder		Ca
nder	/	Ca
nden	Import Now Close	· Ca 🗸

c. The CV-TAC400's data will be imported. The download from the remote CV-TAC400 can take up to 5 minutes.

	dt Data Records Backup Setup System File Setup/Nantenance About Exit	· Ca
nder nder	Scon Start Dip: 1 End Dip: 5	Ca Ca
nder		Ca
nder nder	Finish importing data from ELP520IIII	Ca Ca
nder nder		Ca
nder. nder	Download<001>: Pin Code Stop	Ca

12. Changing the Greeting Message

To change the Greeting Message, perform the following steps:

a) Select the "View/Edit Data Records" Menu. A list of submenus will be displayed.

🛃 SFT5202 🛛 🛛 🔀												
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit												
TICK Configuration Settings Suite/Directory Data Pin Code	Camden	Camden	Camden	Ca								
Yew/Export Log Data Generate Report Report Statistics	Camden	Camden	Camden	Ca								
TICK Backup Database Restore Database Clear Existing Log(DB)		Camden	-	-								
nden Camden	-	-	-									
nden Camden	-											
nden Camden	-	-	-									
nden Camden		-	-									
nden Camden	-	-	-	-								
nden Camden	Camden	camden	Camden	· ca								

- b) Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.
- c) Select the "ELP Conf" tab. The ELP Configuration table will be displayed
- d) Open (Double click on) the "Greeting Message" field of the CV-TAC400 you wish to change. The field will open for editing. You may change the text as required.

		Setting o dress:	1]					
_	Us	er	γ,	Access	Level	Υ	Elevato	irLevel	Slave Device	ELP Conf	Misc
E	LP52	0 Config	uration								
	DIP	NetMod	e Mode	LogLy	d Option	Relay	DoorID	AcsCtIMo	de Greeting Message-		-
	001		М	010	005	010	1	003	Welcome CV-TAC40	10	
	014	001	S	010	005	010	2	001	Welcome to CV-TAC	400 Slave1	
	015	001	S	010	005	010	3	001	Welcome to CV-TAC	400 Slave2	
	016	001	S	010	005	010	4	001	Welcome to CV-TAC	A00 Slave3	
	_		_		_						
	_					-					
	-		-			-					
	-		-		-	-	-				
	-		-		-	-					
	-		-			-	-				
	-				-						
	-		-		-		-				
	_										-
				-		-					
	_										
			Save							Close	

- e) When the editing is complete press the "enter" key or select anywhere else in the "ELP Conf" table.
- f) Save and Upload the changed information.

13. Load the Factory Default

- ▲ Using this file will erase all previously saved data.
- 1 The default factory file is located on the installation CD.

Start by selecting a file of current information. To do this, follow the steps below

a. Select the "File Setup/Maintenance" menu. A list of submenus will appear below.

A SFT5202								
Session View/	Edit Data Records Backup	Setup System File S	ietup/Maintenance About E	xit				
nden	Camden	Came La	Carros Load Factory default file from Local Computer File Load the Backup you created into SFT5202 Create Backup File(Uses the Current Configuration File)					
nden	Camden		iport Data from an ELP520(s) iport Data to an ELP520(s)		Ca			
nden	Camden	Camde	n Camden	Camden	Ca			
nden	Camden	Camde	Camden	Camden	Ca			
nden	Camden	Camde	n <mark>Camden</mark>	Camden	Ca			
nden	Camden	Camde	n Camden	Camden	Ca			
nden	Camden	Camder	n Camden	Camden	Ca			
nden	Camden	Camde	Camden	Camden	Ca			
nden	Camden	Camder	Camden	Camden	Ca			

b. Select the "Load the factory Default File into the computer" submenu. A file selection window will be displayed.

A SFT5202							
Session View/	Edit Data Records Backup	Setup System File Setu	up/Maintenance About Ex	dt			
nden	Camden	Came Load	Came Load Factory default file from Local Computer File Load the Backup you created into SFT5202 Create Backup File(Uses the Current Configuration File)				
nden	Camden		rt Data from an ELP520(s) rt Data to an ELP520(s)		Ca		
nden	Camden	Camden	Camden	Camden	Ca		
nden	Camden	Camden	Camden	Camden	Ca		
nden	Camden	Camden	Camden	Camden	Ca		
nden	Camden	Camden	Camden	Camden	Ca		
nden	Camden	Camden	Camden	Camden	Ca		
nden	Camden	Camden	Camden	Camden	Ca		
nden	Camden	Camden	Camden	Camden	Ca		

c. Navigate the Explorer window to your CD Drive containing the installation CD.

SFT5202						1	×
		up Setup System File Se				-	~
nden	Camder	Camden	Camden	Cam	den	ca	
nden	Cal Open	· · ·		2	den	Ca	
nden		CV-TAC400_CD	• • •	•	den	Ca	
nden	Cal Annuals				den	Ca	
nden		5485_Drivers			den	Ca	
nden	· Ca. File name:	[[Open	den	Ca	
nden	· Cal	All Files (".")		Cancel	den	Ca	
nden	Camder	Camden	Camden	Cam	den	Ca	
nden	Camder	Camden	Camden	Cam	den	Ca	19

d. Select the 'factory files' folder.

🛃 SFT5202			×
Session View/E	dit Data Records Backup Setup Syst	em File Setup/Maintenance About E	×R
nden	Camden Can	nden Camden	Camden Ca
nden	Ca Open	. [den Ca
nden	Cal Look in: Cal factory_files	<mark>نے جا ت</mark> ے ہوئے ۔ د	den Ca
nden	@lcom		den Ca
nden	Ca		den Ca
nden	Ca File name: 500Dirs(nona	me)-noUsers	Open den Ca
nden	Ca Files of type: All Files (*.*)		Cancel den Ca
nden	Camden Can	nden Camden	Camden Ca
nden	Camden Can	nden Camden	Camden Ca

e. Select the factory Default file -> 500DIrs(noname)-nouser and then select "Open"

🛃 SFT5202					×
			up/Maintenance About E		
nden	Camden	Camden	Camden	· Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camder	i) Finish loading fa	ctory file from local computer	Camden	Ca
nden	Camder	~	ж	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

14. Changing the Greeting Message

To change the Greeting Message, perform the following steps:

g) Select the "View/Edit Data Records" Menu. A list of submenus will be displayed.

SFT:	5202				
Session	View/Edit Data Records Back	up Setup System File Set	up/Maintenance About E	dt	
nde	Configuration Settings Suite/Directory Data Pin Code	Camden	Camden	Camden	Ca
nde	View/Export Log Data Generate Report Report Statistics	-	-	Camden	
nde	Backup Database Restore Database Clear Existing Log(DB)	-	-	Camden	-
	en Camder	-	-	Camden	
	en Camder	-			
	en Camder en Camder	-	>	>	>
	en Camder	-	>	>	>
	en Camder	-			-
	ANALY CONTRACTOR STREET, SALAR S	The second state of the second state of the		A DESCRIPTION OF A DESC	Contraction of the local division of the loc

- h) Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.
- i) Select the "ELP Conf" tab. The ELP Configuration table will be displayed

j) Open (Double click on) the "Greeting Message" field of the CV-TAC400 you wish to change. The field will open for editing. You may change the text as required.

figurati	ion	Setting o	f ELP								
LP520	Adı	dress:	1		•]					
	Usi	er	γ.	Access	Level	Υ	Elevato	irLevel	Slave Device	ELP Conf	Misc
		0 Configu			_	_					
									ide Greeting Message-		<u> </u>
		001	м	010	005	010	1	003	Welcome CV-TAC40		
		001	S	010	005	010	2	001	Welcome to CV-TAC		
		001	S	010	005	010	3	001	Welcome to CV-TAC		
	016	001	S	010	005	010	4	001	Welcome to CV-TAC	X400 Slave3	
10											
											-
			Save							Close	
			Save							Ciose	
	_										

- k) When the editing is complete press the "enter" key or select anywhere else in the "ELP Conf" table.
- I) Save and Upload the changed information.

15. Entering Suite Information

Changing/Adding Suite Information

Floor, Express Code, Display Name, Telephone Number

- **Note:** All the Suite records are already in the factory default file. The information has been set to blank. To add a suite merely select a blank record and enter the information.
- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Suite/Directory Data" submenu. The Suite/Directory Data window will be displayed. **Note:** The "Remote ELP DIP" field is not used and should not be changed.

🛃 SFT	5202				×
Session	View/Edit Data Records Backup	Setup System File Setu	up/Maintenance About E:	at	
nde	Configuration Settings Suite/Directory Data Pin Code	Camden	· Camden	Camden	Ca
nde	View/Export Log Data Generate Report Report Statistics		Camden		-
nde	Restore Database Clear Existing Log(DB)	-	Camden	-	-
	en Camaen	>	Camden	>	-
	en Camden	-	>	-	-
	en Camden en Camden		>	-	-
	en Camden		-	-	-
	en Camden			-	-

Select the suite to be changed from the drop down list in the Suite ID-Display Name field
 Note: You may use the up or down arrows to scroll through the list of suites. You may also use the pg up

(page up) and pg dn (page down) keys to scroll the list quickly.

- d. If required, Select the Floor from the list of Floors in the pulldown menu
- e. If required, Edit the Express Code in the "Express Code" field

- f. If required, Edit the **Display Name** in the "Display Name" field
- g. If required, Edit the Telephone Number in the "Telephone Num" field.
- h. When the editing for the selected suite is complete, select the "Save" button (on the bottom lefthand side of the form).
- i. When the editing for all the suites is complete, select the Close button(on the bottom right-hand side of the form)

uite/Directory Data		
Remote ELP DIP:	1 .	C Suite ID-Display Name: ID:1 - John Doe
Suite Information		
F Display Name:	John Doe	E ExpressCode: 1101
G Telephone Num:	4165559595	Ploor. 1
Add Us	User Nome	Modity User Delete User Acs Elev Su -Code 1- TY -Code 2- TY -Code 3- TY -Code 4- TY -Code 5- TY •
Use "Page Up/Do	wn" or "Up/Down Arrow" to sele Save	next Suite.Click to select User Record to Edit/Del or dirctly Add User Close

16. PIN Entry Information

The CV-TAC400 has a PIN entry function. When a user enters their assigned PIN (<u>p</u>ersonal <u>i</u>dentification <u>n</u>umber) the CV-TAC400 grants access in the same way as if the number 6 was entered on a call to the suite. The CV-TAC400 maintains a list of PIN numbers and the associated Labels for the PIN. Each PIN number must be between 5 and 9 digits long.

The PIN Code Label is a readable description of the PIN Code

You may enter up to a total of 20 PIN codes.

The maximum length of the PIN Code may be set to be between 5 and 9 digits. If the maximum length is reduced after some PIN Codes have been entered the PIN codes already in the system will be truncated. If this would result in duplicate codes an error message is generated and the operation is not allowed.

A. Configuring PIN Codes

To configure the PIN codes follow the steps below:

i. Adding a New PIN Code

- a. Select the "View/Edit Data Records" Menu. A drop down menu box will be displayed.
- b. In the drop down menu select the "PIN Code" Submenu. The PIN Code form will be displayed.

🗿 SFT5202	û.				X
		Setup System File Setu	up/Maintenance About E	đ	
TICK Su	nfiguration Settings Ite/Directory Data	Camden	Camden	Camden	Ca
Ge	w/Export Log Data	Camden	Camden	Camden	Ca
nck Ba	ckup Database store Database ear Existing Log(DB)	Camden	Camden	Camden	Ca
	Camden	Camden	Camden	Camden	·Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

- c. In the PIN Code edit box enter the new PIN code.
- d. In the Label edit box enter the associated Label
- e. Select the "Add" button. The PIN Code list grid will be updated.
- f. When all the changes have been completed, select the "SAVE" button. The data will be saved.
- g. Close the form by selecting the CLOSE button.

R		Pin Code for Opening Door	
	-Pin Code Label 123456 Janitor	E Add Pin Code:	
1		C 123456	
4		Label:	
		D Janitor	
		1	
		+ Reset	
	Pin Code Max Length(5-9):	9 Note: Pin Code Min Length is 5.	

17. Backup the Data

a. Select the Backup Menu

	🗸 SFT5202									
	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit									
nden	Cama	camelen	Camden	Camden	Ca					
nden	Camden	Camden	· Camden	Camden	Ca					
nden	Camden	Camden	Camden	Camden	Ca					
nden	Camden	Camden	Camden	Camden	Ca					
nden	Camden	Camden	Camden	Camden	Ca					
nden	Camden	Camden	Camden	Camden	Ca					
nden	Camden	Camden	Camden	Camden	Ca					
nden	Camden	Camden	Camden	Camden	Ca					
nden	Camden	Camden	Camden	Camden	Ca					

b. Select Create Backup

	a Records Backup Setup System File Setup/Maintenance About Eut amden Camden Carden Carden Car	nden	Ca
nden C	a Save As	den	Ca
nden C	Save in: 🔛 My Documents 💽 🔶 😤 📰 -	den	Ca
nden C	Modem_Foxconn_2.1.60_XPx86 My Music My Pictures	den	Ca
nden C	My Shapes	den	Ca
nden C	A File name: Save	den	Ca
nden C	Save as type: Last Backup File("LBP) Cancel	den	Ca
nden C	amden Camden Camden Car	nden	Ca
nden C	amden Camden Camden Car	nden	Ca

c. Selection a location and create filename

SFT5202 Xerrison Verwickl Data Percents Backup Setup System File Setup/Maintenance About Exit						
	Camden				· Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	 success to export file to local computer 		Camden	Ca	
nden	Camden	OK OK		Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	

18. Uploading Saved Information into the CV-TAC400

A. Working Online Using the RS485 Converter

If you have been working online throughout this guide, all you need to do is close the session.

- a. Select the Session Menu
- b. Select Close Session. The new configuration data is automatically uploaded to the CV-TAC400.

🐺 SFT5202	💀 SFT5202		
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit		
	mden Camden Camden Camden Camden Ca		
nden Camden Camden Camden Ca	mden Camden Camden Camden Camden Ca		
nden Camden Camden Camden Camden Ca	mden Ca		
nden Camden Camden Camden Ca	Please welt, process may require up to 2 minutes Click ABORT to cancel		
nden Camden Camden Camden Camden Ca mden Camden Camden Camden Ca			
nden Camden Camden Camden Camden Ca	nden Canden Camden Camden Ca		
nden Camden Camden Camden Camden Ca	mden Camden Camden Camden Camden Ca		
nden Camden Camden Camden Camden	mden Camden Camden Camden Camden Ca		

B. Working Online Using the Modem Module

If you have been working online using the Modem Module, you cannot simply close the session. The new data must be exported to the CV-TAC400.

a. Select the "Export Data to an ELP520(s)" from the "File Setup/Maintenance" menu. Select the ELP520 Address from the pull down menu and hit Export Now.

த SFT5202	😼 SFT5202
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit
Camolen Camol Load Factory default life from Load Computer File Cad the Backup you created into SFT5202 Create Backup File(Uses the Current Configuration File) Cad	nden Camden Camden Camden Camden Ca
mden Camden Camc Import Data from an ELPS20(s) Export Data to an ELPS20(s) Ca	mden Camden Camden Camden Camden Ca
nden Camden Camden Camden Camden Ca	mole Export Data to an ELP520(s)
nden Camden Camden Camden Camden Ca	nd ELP520 Address: 1
nden Camden Camden Camden Camden Ca	nck Export Now Close
nden Camden Camden Camden Camden Ca	nden canaci canaci canaci canaci
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca

b. The new configuration data is exported to the remote panel.

🔀 SFT5202	🔀 SFT5202
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Ca
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca
Export Data to an ELP520(s)	Export Data to an ELP520(s)
nck ELP520 Address:	TTICK ELP520 Address: 1 Data transfer to ELP520 successful
nd Progress:	nck Progress: Stop a
nden camacing camacing camacing camacing ca	nden same same same same same sa
nden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca

3.2 Configurations

Master with Internal Access Control Reader

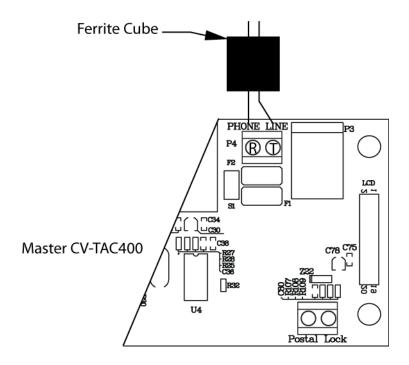
These instructions are for a CV-TAC400 configured as a master device to call suites over the telephone and allows entry through a single door when the correct telephone key is pressed or the card proximity reader in the CV-TAC400 is used.

Hardware Connections

All hardware connections are to be made before applying power to the unit.

1. Connect the Telephone Line

A dedicated telephone line is required. TIP and RING connections are provided to allow connection to a telephone line. Typically, TIP is green and RING is red.





2. Connect the Modem Module (Optional)

A modem module is used to connect to a remote computer for programming the CV-TAC400. The remote computer must have a modem connection and calls the CV-TAC400. Details of programming the CV-TAC400 are contained in the section "Using the SFTD5205 Software"

When a modem connection is used the CV-TAC400 must be configured to use a shared phone line.

The telephone line connected to the modem module may be the same telephone line used by the CV-TAC400 to call the suites.

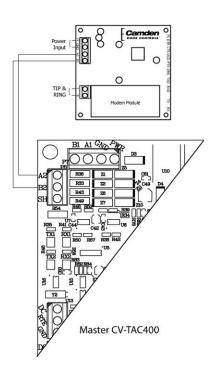


Figure 9 - Optional Modem Module Connection

3. Connect the Computer

If you are not using the modem module above, a direct connection to a computer is required for programming the CV-TAC400. An RS-485 to USB converter is used. Connect the Rs-485 Converter as shown in Figure 10.

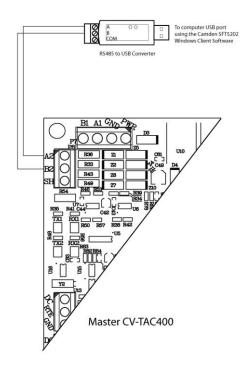


Figure 10 - RS-485 Connection to Computer

4. Connect the Reader Installed in the CV-TAC400

Connect the reader installed in the CV-TAC400 to the connections in the CV-TAC400. The minimum connections are power, ground, D0 and D1.

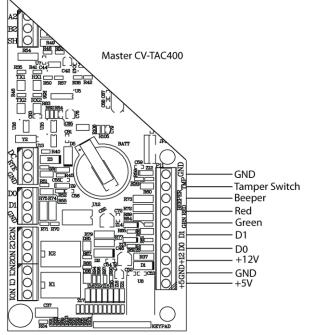


Figure 11 - Access Control Reader Connections

5. Connect the Door Lock

Connect the door lock to the door relay and door lock power. The exact nature of the connection depends on the specific lock used. (Figure 12)

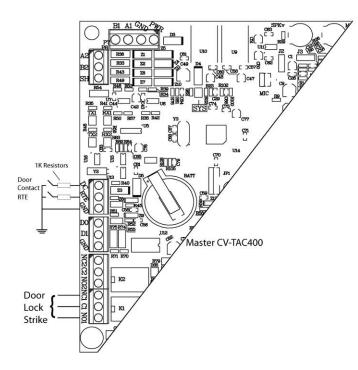


Figure 12 - Door Strike Connection

6. Connect the Power

Connect power (12 VDC) to the CV-TAC400 power connections on Port 1. (Figure 13)

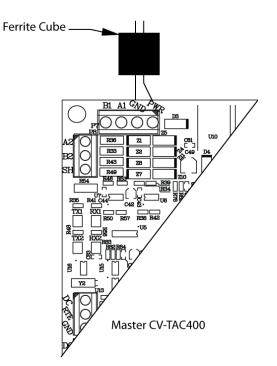


Figure 13 - Door and Power Connections

7. Set the Time and Date

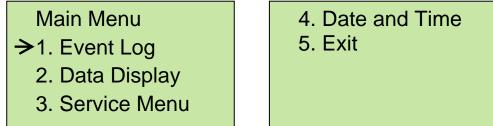
Setting the time and date requires you to login to the CV-TAC400 locally via the front panel.

A. Logging In

To access the service mode for configuration the user must login with a password. To do this, follow the steps below:

Press and hold the 1, 4 and 7 buttons until the display shows "Enter password [___]". Enter the CV-TAC400's password. The default Password is "1234#".

The Main Menu will be displayed.



Note: To access additional menu items press # to move down and * to move up the menu.

1 you enter the wrong password five times in a row, you will be locked out of the unit for 2 Hrs. Even the help code will not be available.

If the wrong password is entered, the display will show: "Password Incorrect". You may then repeat the process.

From the main menu select 4:. Date & Time

The Date and Time menu allows changing the CV-TAC400's date and time. When the Date and Time menu is selected, a display similar to the example figure below will be displayed.

To change the date or time, you position the cursor under the item you want to change and then use the 1 and 3 keys to increment or decrement that item. The # key moves the cursor right, and at the end of the line moves down to the next line. The * key moves the cursor left, and at the left end of the line the cursor moves up to the next line.

When you have finished changing the date and time, the 0 key exits to the main menu.

The following table summarizes how the keys affect the display:

Key	Action
#	Moves cursor right and down
*	Moves cursor left and up
1	Increments the value above the cursor
3	Decrements the value above the cursor
0	Exits the date and time menu

8. Set the DIP Address of the CV-TAC400 to 1

From the front panel of the Master CV-TAC400, select 3 Service Menu from the Main Menu.

Select 2 Change ELP Address.



To change the CV-TAC400 DIP Address, enter the new address using the number keys. Select an address from the table below. To save the address you have just entered, press the # key. To exit without changing the password enter the * key.

There must be one and <u>only one</u> Master CV-TAC400. Each system may have up to 3 slave CV-TAC400's. The addresses must be unique within each system.

Address	CV-TAC400 Operation
1	CV-TAC400 Master
14	CV-TAC400 Slave 1
15	CV-TAC400 Slave 2
16	CV-TAC400 Slave 3

9. Starting the SFT5202 Windows Client Software

The following instructions apply only if the default file locations were used in the software installation. If any changes were made that location should be used.

To start the SFT5202 Windows Client Software open (double click) the SFT5202 icon on the desktop

If there is no SFT5202 icon on the desktop the following steps may be performed:

- e. select the Start Menu from the windows desktop
- f. select Programs from the start menu
- g. select the "remoteAdmin" folder
- h. select SFTD5202D from the list. The main SFT5202 Windows Client Software window will be displayed

10. Establishing a Connection with the CV-TAC400

The CV-TAC400 is programmed via a Windows PC, using an USB to RS485 converter for local access or an optional CV-TAC4M Modem Module for a remote dialup connection.

Remote Connection Using a Modem

Overview

The CV-TAC400 may be connected to a computer system over a telephone line. To do this the CV-TAC400 requires the modem module. The computer requires a modem connected to it and the SFTD5202 software.

Using the modem is identical to the RS485 connection after the connection has been made. Because a computer with a modem may be used to manage multiple CV-TAC400's, the "Open Session" initialization is not used. Downloading and uploading data using the modem is described below in sub-section 11 - 'Open a Session with the CV-TAC400 (Working Online with a Modem Connection) and sub-section 16, Part B – 'Uploading Saved Information into the CV-TAC400 – Working Online Using the Modem Module'.

The telephone number and password for each building must be entered into the system. When you wish to update that particular building the dialing information can be selected from that list.

Configuring the SFTD5202 Software for the Modem

Overview

Each time the modem is used the modem must be initialized. Once the modem is initialized it may be used until the SFTD 5202 software is closed.

Finding the COM Port

To identify the modem to the SFTD5202 software the computer system gives it a name, such as COM3. To use the modem you must know its COM port number. Determining the COM port varies depending on the computer's operating system.

Different versions of the operating system will have different methods for determining the COM port. The following discussion may not exactly match your particular system. In general, for Windows Operating systems the "Control Panel" will have an icon for modem options. It may be under the "Hardware and Sound" Icon or directly visible. Selecting it will show which COM port the modem is connected to.

Changing the Settings

- a. To change the communications settings follow the steps below:
- b. Start the SFT5202 Windows Client Software
- c. Select the "Setup" menu. A list of submenus will be displayed
- d. Select the "Communications" submenu. The "Communication Setting" form will be displayed

🗿 SFT5202						
Session View/	Edit Data Records Backup		up/Maintenar	nce About Ex	t	
nden	· Camden	Communications Dial Up		nden	Camden	Ca
nden	Camden	List Remote Modem(s) Remote Modem(s) Pass Configure Remote Mod	word	nden	Camden	Ca
nden	Camden	Message output ON	vul	nden	Camden	Ca
nden	Camden	Camden	Ca	nden	Camden	Ca
nden	Camden	Camden	Ca	nden	Camden	Ca
nden	Camden	Camden	Cai	nden	Camden	Ca
nden	Camden	Camden	Car	nden	Camden	Ca
nden	Camden	Camden	Ca	nden	Camden	Ca
nden	Camden	Camden	Car	nden	Camden	Ca

e. In "Connection" box select Modem.

Communication Setting Com Port COM4	Connection C RS485 Line	m
Data Bits	Baud Rate : 56000	bps
Flow Control	Parity © None C Odd C Ev	/en
Rone C Xon/Xoff C RTS C Xon/RTS	Stop Bits C 1 C 2 C On	@ Off
Test Connection	Save Settings CI	ose

- f. In the "Com Port" drop down box, select the COM Port the Modem is connected to.
- g. In the "Data Bits" box select 8.
- h. In the "Flow Control" box select "none".
- i. In the "Parity" box select "None".
- j. In the "Stop Bits" box select "1".
- k. In the "Echo" box select ""Off".
- I. When you are done Save the settings by selecting the "Save Settings" button

Initializing the Modem

NOTE: The modem will remain initialized until the SFTD5202 software is shutdown. This initialization procedure must be performed each time the SFTD5202 software is restarted.

To initialize the modem follow the steps below:

a. Ensure the "Communication Setting" form is displayed.

ncie	Com Port COM4	Connection C RS485 Line	Modem	Ca
nde	Data Bits	Baud Rate : 5600	0 v bps	Ca
nde	- Flow Control	Parity		Ca
nde				Ca
nde	C RTS C Xon/RTS	Stop Bits	C On C Off	Ca
nde	Test Connection	Save Settings	Close	Ca

b. Select the "Save" button.

Section View	Edit Data Records - Bacisio	Sehun Suchem File Seh	up/Mantenance About E:	a.	×
			Camden		· Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	C Successf		Camden	Ca
nden	Camden		fully initialize modem	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

c. The modem is initialized.

Setting the Remote Modem

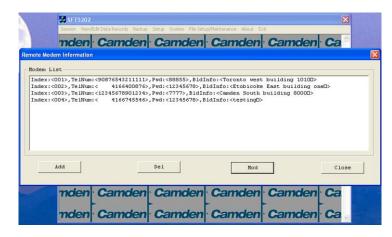
Overview

Each remote site that this system connects to will have an associated password and phone number. These may be stored in a list so that they may be easily accessed.

Setting up a Remote Modem

To add a remote site and its phone number and password to the list of sites follow the steps below:

- a. Start the SFT5202 Windows Client Software.
- b. Select the "Setup" menu. A list of submenus will be displayed
- c. Select the "List Remote Modem(s) Setting" submenu. The "Remote Modem Information" form will be displayed.



d. Select the "Add" button. The "Modem Information" form will be displayed

	5 SFT5202	
	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
	ndon Candon Candon Candon Candon C	
Remote Mo	em Information	×
- Nodem I	15 Modem Information	
Index:		≤
Index: Index:	roc Index: 005 Telephone Number:	
Index:	FLP Default Password	
	Building Information:	
1	OK Close	
	Ada	ose
	nden Camden Camden Camden Camden C	
	maen Camaen Camaen Camaen Camaen C	a
	nden Camden Camden Camden Camden C	
	inden Canden Canden Canden Canden C	

- e. Enter the Remote telephone number in the "Telephone Number" box.
- f. Enter the Remote modem Password in the "ELP Default Password" box.
- g. Enter the Building Identification in the "Building Information" box.

					×
Sess	ion View/Edit	Data Records Back	up Setup System File Setup/Maintena	ince About Exit	
	dan (amdor	Camdon Ca	mdon Camd	on Ca
emote Modem Ir					×
Nodem Lis	iodem Inforn	nation			
Index:<00					
Index:<00 Index:<00	Index:	005		4165551122	
Index:<00	index.	005	Telephone Number:	4165551122	
	ELD Dof	ault Password	400 15070		
	LLF Dek	aun Fassworu.	12345678		
	Building	Information: To	oronto East		
		OK	<	Close	
Ad				nou	ose
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	don	Comdou	Camden Ca	mdon Came	on Co
TR	aen (Jamaer	r canoen ca	maen Cama	en Ga
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	and the second second			A CONTRACTOR OF	

h. Select "OK" to save the information or "Close" to exit without saving

Starting a Connection

Overview

To communicate with a remote system via modem you must first start the connection. As the system does not know which system will be connected you do not use start session.

Starting the Connection

- a. To start a connection to a remote system follow the steps below:
- b. Start the SFT5202 Windows Client Software.
- c. Select the "Setup" menu. A list of submenus will be displayed

🐺 SF T5202 🛛 🔀							
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit							
nden	Camden	Communications Dial Up		nden	Camden	· Ca	
nden	Camden	List Remote Modern(s) Setting Remote Modern(s) Password Configure Remote Moderns		nden	Camden	Ca	
nden	Camden	Message output ON	val	nden	Camden	Ca	
nden	Camden	Camden	Car	nden	Camden	Ca	
nden	Camden	Camden	Car	nden	Camden	Ca	
nden	Camden	Camden	Car	nden	Camden	Ca	
nden	Camden	Camden	Car	nden	Camden	Ca	
nden	Camden	Camden	Car	nden	Camden	Ca	
nden	Camden	Camden	Car	nden	Camden	Ca	

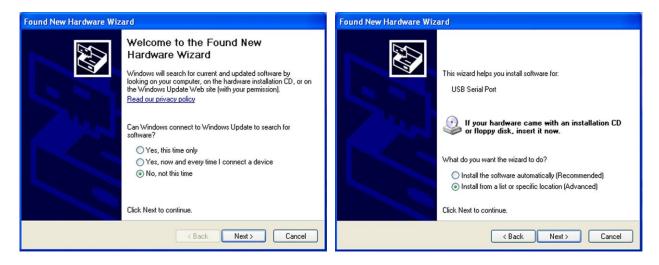
d. Select the "Dial Up" submenu. The "Dial Up" form will be displayed.

SFT5202						×
380000000 - MANAGA	Edit Data Records B		File Setup/Maintenar			
nden	Camde	en Cam	den Car	nden	Camden	Ca
nden	Camde	en <mark>Cam</mark>	den <mark>Ca</mark> r	nden	Camden	Ca
ndel	ial Up				E	3Ca
ndei	Building :	none			•	Ca
ndei	Telphone Num	001: Toronto west t 002: Etobicoke Eas 003: Camden South	st building onel		Ĵ	Ca
ndei	Password:					Ca
ndel		Dial up]	Clos	se	Ca
nden	Camde	en Cam	den Car	nden	Camden	Ca
nden	Camde	en Cam	den Car	nden	Camden	Ca

- e. Select the remote site from the list of remote sites in the "Building" drop down list. If the building is not in the list you may enter the information in the form.
- f. Select the "Dial up" button to start the connection or Close to exit with starting the connection.

RS485 to USB Converter

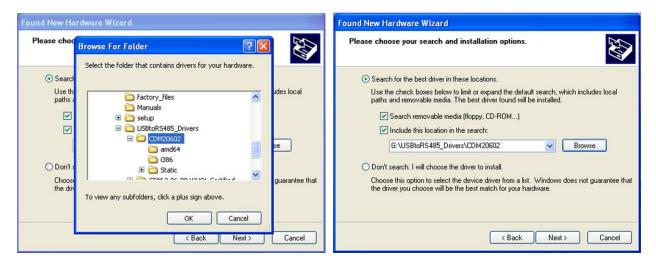
Plug the USB to RS485 converter into an empty USB port on your computer. A prompt to search the internet for a driver will pop up. Select 'No, not this time' Press Next. In the next window, select 'Install from a list or specific location [Advanced]'



Select 'Include this location in the search' and press Browse. In the Browse For Folder window, select the software CD supplied with your system.

	Found New Hardware Wizard
Found New Hardware Wizard Please choose your search and installation options.	Please choose your search and installation options.
 Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed. Search removable media (floppy, CD-ROM) Include this location in the search: F:\Documents and Settings\Jack\My Documents\M <>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Search Browse For Folder Use tr Browse For Folder Select the folder that contains drivers for your hardware. Select that drivers drivers for your hardware. Select that drivers drivers drivers drivers driter drivers drivers
< Back Next > Cancel	OK Cancel

Open the USBtoRS485_Drivers folder and select the CM20602 folder. Press OK. Select Next to start installing the driver.



The driver will be installed. Select Finish when done.

Found New Hardware Wizard	Found New Hardware Wizard
Please wait while the wizard searches	Completing the Found New Hardware Wizard
	The wizard has finished installing the software for:
USB Serial Port	USB Serial Port
S.	
	Click Finish to close the wizard.
<back next=""> Cancel</back>	< Back Finish Cancel

- 11. Open a Session with the CV-TAC400 (Working Online with an RS485 Converter))
 - a. Select the Session Menu.

w/Edit Data Records Back m File Se Vie amden Camden Camden Camden Ca Close Session Exit Session nden Camden Camden Camden Camden Ca nden Camden Camden Camden Camden Ca

b. Select Open Session.

		🛃 SFT5202					×	<
		Session View/I	Edit Data Records Backup	Setup System File Set	up/Maintenance About E	dt		1
		nden	Camden	Camden	· Camden	Camden	Ca	-
		nden	Camden	Camden	Camden	Camden	Ca	
		nden		g data from the remote I	ELP520	den	Ca	
		nden	Ca	- wait, process may requi	re up to 2 minutes	den	Ca	
		nden		30RT to cancel		den	Ca	
		nden	Ca	ABORT		den	Ca	
		nden	Camden	Camden	Camden	Camden	Ca	
		nden	Camden	Camden	Camden	Camden	Ca	
		nden	Camden	Camden	Camden	Camden	Ca	
c.	Select OK when the	sessio	on has fir	hished loa	ding.			

SFT5202					
		Setup System File Set		line and the second sec	
nden	Camden	Camden	· Camden	· Camden	· Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Cam	Session Opened. Local and	remote ELP Databases Sync		Ca
nden	Cam	0	<u>K]</u>	mden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	·Ca

12. Open a Session with the CV-TAC400 (Working Online with a Modem Connection)

a. Select the "File Setup/Maintenance" menu and select "Import Data from an CV-TAC400(s).

🍰 SFT5202									
	Edit Data Records Backup		up/Maintenance About E:		Ca				
nden	Camden	Came Load	Carrice Load Factory default file from Local Computer File Load the Backup you created into SFT5202 Create Backup File(Uses the Current Configuration File)						
nden	Camden		rt Data from an ELP520(s) rt Data to an ELP520(s)		Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				

b. Scan for Remote CV-TAC400s. Select the remote CV-TAC400 from the list you wish to communicate with.

🛃 SFT5202		×
_	Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
nden	mport Data from an ELP520(s)	· Ca ≙
nder	Scan Start Dip: 1 End Dip: 5	Ca
nder	Remote ELP520	Ca
nder		Ca
nder	/	Ca
nden	Import Now Close	· Ca 🗸

c. The CV-TAC400's data will be imported. The download from the remote CV-TAC400 can take up to 5 minutes.

	dt Data Records Backup Setup System File Setup/Nantenance About Exit	· Ca
nder nder	Scon Start Dip: 1 End Dip: 5	Ca Ca
nder		Ca
nder nder	Finish importing data from ELP520IIII	Ca Ca
nder nder		Ca
nder. nder	Download<001>: Pin Code Stop	Ca

13. Changing the Greeting Message

To change the Greeting Message, perform the following steps:

a) Select the "View/Edit Data Records" Menu. A list of submenus will be displayed.

😹 SFT5202	🕱 SFT5202								
Session Vew/Edit Data Records Backup Setup System File Setup/Maintenance About Exit									
TICK S	onfiguration Settings uite/Directory Data in Code	Camden	Camden	Camden	Ca				
G	ew/Export Log Data	Camden	Camden	Camden	Ca				
nde R	ackup Database estore Database lear Existing Log(DB)	-	Camden	-	-				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
	Camden			-					
	Camden			-					
	Camden	-							
nden	Camden	Camden	Camden	Camden	·Ca				

- b) Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.
- c) Select the "ELP Conf" tab. The ELP Configuration table will be displayed
- d) Open (Double click on) the "Greeting Message" field of the CV-TAC400 you wish to change. The field will open for editing. You may change the text as required.

ELP52		Setting o dress:	f ELP		•]					
	Us	er	Υ.	Access	Level		Elevato	irLevel	Slave Device	ELP Conf	Misc
E		0 Configu									
							DoorlD		de Greeting Message		•
	001		М	010	005	010	1	003	Welcome CV-TAC400		
	014		S	010	005	010	2	001	Welcome to CV-TAC40		
	015		S	010	005	010	3	001	Welcome to CV-TAC40		
	016	001	S	010	005	010	4	001	Welcome to CV-TAC40	10 Slave3	
			-								
			-			-					
	<u> </u>					-					
			-		-	-					
			-		-	-	-				
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			-		-						
			-		-		-				
			-		-	-	-				
	-										-
			Save							Close	
			5076								

- e) When the editing is complete press the "enter" key or select anywhere else in the "ELP Conf" table.
- f) Save and Upload the changed information.

14. Load the Factory Default

- ▲ Using this file will erase all previously saved data.
- 1 The default factory file is located on the installation CD.

Start by selecting a file of current information. To do this, follow the steps below

a. Select the "File Setup/Maintenance" menu. A list of submenus will appear below.

SFT5202)					×
Session View/I	Edit Data Records Backup	Setup System	ile Setup/Ma	intenance About E	at	
nden	Camden	Came	Load the B	ory default file from Lo Nackup you created into ckup File(Uses the Curr	SFT5202	· Ca
nden	Camden	Came		ta from an ELP520(s) ta to an ELP520(s)		Ca
nden	Camden	Camde	en (Camden	Camden	Ca
nden	Camden	Camde	en (Camden	Camden	Ca
nden	Camden	Camde	en 🤇	Camden	Camden	Ca
nden	Camden	Camde	en (Camden	Camden	Ca
nden	Camden	Camde	en C	Camden	Camden	Ca
nden	Camden	Camdo	en	Camden	Camden	Ca
nden	Camden	Camde	en C	Camden	Camden	Ca

b. Select the "Load the factory Default File into the computer" submenu. A file selection window will be displayed.

A SFT5202								
Session View/	Edit Data Records Backup	Setup System File Setu	up/Maintenance About Ex	dt				
nden	Camden	Came Load	Came Load Factory default file from Local Computer File Load the Backup you created into SFT5202 Create Backup File(Uses the Current Configuration File)					
nden	Camden		rt Data from an ELP520(s) rt Data to an ELP520(s)		Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			

c. Navigate the Explorer window to your CD Drive containing the installation CD.

🛃 SFT5202			×
		m File Setup/Maintenance About Ex	
nden	Camden Cam	den Camden	Camden Ca
nden	Calopen		2 den Ca
nden	🔂 db-setup 💽	setup	📑 den Ca
nden	setup		den Ca
nden	Ca db-inst		den Ca
nden	Cal File name:		Open den Ca
nden	Ca Files of type: All Files (".")		Cancel den Ca
nden	Camden Cam	den Camden	Camden Ca
nden	Camden Cam	den Camden	· Camden · Ca

d. Select the 'factory files' folder.

SFT5202		×
Session View/E	Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
nden	Camden Camden Camden Can	nden Ca
nden	Ca Open	den Ca
nden	Look in: Image: Construction of the second sec	den Ca
nden		den Ca
nden	Ca	den Ca
nden	Cca File name: [500Dirs(noname)-noUsers Open	den Ca
nden	Ca Files of type: All Files (".") Cancel	den Ca
nden	Camden Camden Camden Can	nden Ca
nden	Camden Camden Camden Can	nden Ca

e. Select the factory Default file -> 500DIrs(noname)-nouser and then select "Open"

SFT5202 Session View	Edit Data Records Backup	Setup System File Setu	up/Maintenance About Ex	at	×
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	- Camden	Camden	Ca
nden	Camder	i) Finish loading fac	tory file from local computer	Camden	Ca
nden	Camder			Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

15. Set the Facility Code

The CV-TAC400 is pre-programmed with Camden facility codes. The facility code does not need to be set if Camden proximity cards are used.

To add or change a facility code, follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.

SFT52	202				×
Session	/iew/Edit Data Records Backup	Setup System File Setu	up/Maintenance About Ex	oit.	
nck	Configuration Settings Suite/Directory Data Pin Code	Camden	Camden	Camden	· Ca
nck	View/Export Log Data Generate Report Report Statistics		-	Camden	-
nck	Backup Database Restore Database Clear Existing Log(DB)		-	Camden	-
	n Camaeh	-	-	Camden	-
	n Camden		>	-	-
	n Camden		-	>	-
	n Camden				-
	n Camden	-	-	-	-
nde	n Camden	camden	Camden	Camden	·ca

c. Select the Misc tab. The miscellaneous tables will be displayed.

¢	onfiguration Setting of I	ELP														
	ELP520 Address:	1 💌														
	User	AccessLevel	ElevatorLe	vel	Slav	e Device	Υ	E	LP C	onf		r		Mis	c	
	Facitily Code	Holiday List		me Group		e End Tim	a Mo	Tu	. War	(The		Sa	Sur	Ho		
L	34	05-01-01			00:00	23:59	Y	Y	Y	Y	Y	Y	Y	Y		
L	910	05-01-02		002	09:00	17:00	Y	Y	Y	Y	Y	N	N	N		
L	912	05-01-03			00:00	02:00	Y	Ν	Ν	Ν		Ν	Ν	Ν		
L	0	05-01-04		004	00:00	23:59	Ν	Ν	Ν	Ν	Ν	Y	Y	Υ		
L	0	05-01-05				_	-	-	-	-						
		05-01-06 05-01-07 05-01-08 05-01-09														
		Save							с	lose						

- d. In the Facility Code table select (double click) the Facility Code entry you wish to edit.
- e. Enter the Facility Code and then press "Enter"

Note: Adding a Facility code is done by replacing one of the "0" entries with the Facility Code you wish to add. Zero is not a valid facility code

- f. When all the entries have been completed, select the Save button.
- g. To close the Form select the Close button
- h. Save and Upload the changed information.

16. Setup the Access Control Information

A. Default Settings

To assist you in configuring the CV-TAC400 the factory default file is set up with some useful default settings.

Time Group 1 is set to allow access 24 hours per day 7 days per week holidays included.

Access Group 1 is doors number 1 though 8.

Access Level 1 is the combination of Time Group 1 and Access Group 1.

What this means is that to allow a user to always pass through door 1, 2, 3, 4, 5, 6, 7, or 8, that user should be set to Access Level 1.

The facility codes 34, 910 and 912 are already entered as factory default settings.

Note: Access level 1 allows 24 hour access through doors 1 through 8 (unless modified by the installer).

B. Configuring Access Groups

Configuring an Access Group means adding a particular door to the group. The doors are identified by a Door ID number. For doors, the Door ID number is the same as the CV-TAC4WC DIP address. See the Hardware Configuration section for instructions on the electrical connection of the door.

Each Access Group has multiple entries in the Access Group table. This is because an Access Group may have more than 1 door. Each row in the Access Group table has a space for a door and an Access Group.

Door ID 1 is the door connected to the CV-TAC400 itself.

Which Door ID is connected to which CV-TAC4WC (DIP Address of CV-TAC4WC) is shown in the Door Information table under the Access Level tab.

There are 8 Access Groups numbered 1 through 8. Each Access group can have up to 8 doors assigned to it. By default Access Group 1 has doors 1 through 8 assigned to it. There are a maximum of 16 doors.

To assign a door to an Access Group follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.

🗸 SFT52	C. C. State and the second				×
Session Vi	6 6 V 6 W	Setup System File Set		Camden	Ca
nde	View/Export Log Data Generate Report Report Statistics		-	Camden	-
mde	Backup Database Restore Database Clear Existing Log(DB)			Camden	-
	n Camden n Camden			-	-
ndei	n Camden	Camden	Camden	Camden	Ca
ndei	Camden	Camden	Camden	Camden	Ca
	n Camden	-		-	-
nde	n Camden	· Camden	Camden	Camden	Ca

- c. Select the Access Level tab. The Access tables will be displayed.
- d. In the Access Group table select (double click) the Door ID entry you wish to edit.

User	AccessLevel	Elev	atorLevel	Ť :	Slave Devi	ce (ELP	Conf)	Misc
Access Level		Door Infor	nation							
LVID AcsGrpt		DoorID	AcsDevDIP	LockIO	UnlockTM	ContactIO	HoldTM	RteAddr	Force	Relock
001 001	001	1	001	128	30	1	45	000	Y	N
001 002	001	2	002	128	30	1	90	002	Y	Y
001 003	001	3	003	128	30	1	90	002	Y	Y
001 004	001	4	004	128	30	1	90	002	Y	Y
001 005	001	5	005	128	30	1	90	002	Y	Y
Conclose	لنالعمم	6	006	128	30	1	90	002	Y	Y
		7	007	128	30	1	90	002	Y	Y
Access Group		8	008	128	30	1	90	002	Y	Y
AcsGrpID		9	009	128	30	1	90	002	Y	Y
001 1		10	010	128	30	1	90	000	Y	Y
001 2		11	011	128	30	1	90	000	Y	Y
001 3		12	012	128	30	1	90	000	Y	Y
001 4		13	013	128	30	1	90	000	Y	Y
001 5		14	014	128	30	1	90	002	Y	Y
001 6		15	015	128	30	1	45	000	Y	N
		10	016	128	30	1	45	000	Y	N

- e. Enter the Door Id information and then press "Enter"
- f. When the editing for the selected Access Group is complete, select the "Save" button (on the bottom left-hand side of the form).

C. Configuring Time Groups

Configuring a Time Group means setting a start time, an end time and list of days of the week the time group is active. This is done in the Time Group List table.

To Configure a Time Group follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.

🗸 SFT52					×
Session V	New/Edit Data Records Backup				
nde	Configuration Settings Suite/Directory Data Pin Code	· Camden	• Camden	· Camden	· Ca
nde	View/Export Log Data Generate Report Report Statistics	Camden	· Camden	Camden	Ca
nck	Backup Database Restore Database Clear Existing Log(DB)	Camden	Camden	Camden	Ca
nde	n Camaen	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n <mark>Camden</mark>	Camden	Camden	Camden	Ca
nde	n <mark>Camden</mark>	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca

- c. Select the Misc tab. The miscellaneous tables will be displayed.
- d. In the Time Group table select (double click) the Start Time entry you wish to edit.

figuration Setting of I ELP520 Address:	1 •												
User	AccessLevel	ElevatorLevel	Slav	e Device	Υ	E	LPC	onf		ſ		Mis	3
Facitily Code	Holiday List	Time Grou											
-Code-	Holiday	Index		e End Tim			We	d Thi	Fri	Sat	Sun		-
34	05-01-01		00:00	23:59	Y	Y	Y	Y	Y	Y	Y	Y	-
910	05-01-02		09:00	17:00	Y	YN	Y	N	YN			N N	
312	05-01-03 05-01-04		00:00	23:59	N	N	N	N		Y		Y	
0 0 0 0 0	05-01-05 05-01-06 05-01-07 05-01-08 05-01-09												×
	Save							lose				1	

- e. Enter the Start Time and then press "Enter"
- f. In the Time Group table select (double click) the End Time entry you wish to edit.

Note: The End Time is inclusive, that is, the End Time itself is included in the time group

- g. Enter the End Time and then press "Enter"
- h. Select "Y" in column for a day to include it, "N" to exclude it. All Holidays may be included or excluded by setting the HOL column.
- i. When the editing for the selected Time Group is complete, select the "Save" button.

D. Configuring Access Levels

Configuring an Access Level means adding an Access Group – Time Group pair to the Access Level. An Access Level may contain up to eight Access Group – Time Group pairs.

To assign an Access Group – Time Group pair to an Access Level follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.

4 SFT5202				×
Session View/Edit Data Records Backup	Setup System File Set	up/Maintenance About E	dit	
TICK Configuration Settings Suite/Directory Data Pin Code	Camden	· Camden	Camden	Ca
View/Export Log Data Generate Report Report Statistics	Camden	Camden	Camden	Ca
TICK Backup Database Restore Database Clear Existing Log(DB)		Camden	-	>
nden Camden	-	Camden	>	>
nden Camden	-	>	>	>
nden Camden		-	>	-
nden Camden				-
nden Camden	-		-	-
mden Camden	· Camden	Camden	· Camden	· Ca

c. Select the Access Level tab. The Access tables will be displayed.

nfiguration Setting of ELP								
ELP520 Address: 1								
User AccessLevel	ElevatorLevel	γ_;	Slave Devi	e	ELP	Conf	γ	Misc
Access Level	Door Information							
	DoorID AcsDevDIP	LockIO	UnlockTM	ContactIO	HoldTM	RteAddr	Forcer	Relock .
001 001 001		128	30	1	45		Y	N
001 002 001		128	30	1	90	002	Y	Y
001 003 001		128	30	1	90		Y	Y
001 004 001	4 004	128	30	1	90	002	Y	Y
001 005 001	5 005	128	30	1	90	002	Y	Y
	6 006	128	30	1	90	002	Y	Y
	7 007	128	30	1	90	002	Y	Y
Access Group	8 008	128	30	1	90	002	Y	Y
AcsGrpID -DoorID-	9 009	128	30	1	90	002	Y	Y
001 1	10 010	128	30	1	90	000	Ý	Y
001 2	11 011	128	30	1	90	000	Y	Y
001 2		128	30	1	90	000	Ý	Y
001 4	13 013	128	30	1	90	000	Y	Y
001 5	14 014	128	30	1	90	002	Ý	Y
001.6	15 015	128	30	1	45	000	Y	N
	16 016	128	30	1	45	000	Y	N .
Save						Close		

- d. In the Access Level table select (double click) the Access Group ID entry you wish to edit.
- e. Enter the Access Group ID information and then press "Enter"

User	AccessLevel)	vatori.evel	Υ <u>΄</u>	Slave Devi		ELP		γ	Misc	
User	AccessLevel	L	Valoitrevel		SIGNE DEVI	68	EUP	Juni		MISC	
Access Level		Door Info									
LVID AcsGrpI			AcsDevDIP			ContactIO		RteAddr		Relock	-
001 001	001	1	001	128	30	1	45		Y	N	н
001 002	001	2		128	30	1	90		Y	Y	
001 003	001		003	128	30	1	90		Y	Y	
001 004	001		004	128	30	1	90		Y	Y	
001 005	001	5	005	128	30	1	90		Y	Y	
Laneloss	لغال عمم	6		128	30	1	90		Y	Y	
		7	007	128	30	1	90		Y	Y	
Access Group		8	008	128	30	1	90		Y	Y	
AcsGroID	- Chood	9	009	128	30	1	90		Y	Y	
001 1		10	010	128	30	1	90		Y	Y	
001 2		11	011	128	30	1	90		Y	Y	
001 3			012	128	30	1	90		Y	Y	
001 4		13	013	128	30	1	90		Y	Y	
001 5		14	014	128	30	1	90		Y	Y	
001 6		15	015	128	30	1	45	000	Y	N	
	_	16	016	128	30	1	45	000	Y	N	-

- f. In the Access Level table select (double click) the Time Group ID entry you wish to edit.
- g. Enter the Time Group Id information and then press "Enter"

User Acces	sLevel	ElevatorL	evel	Slave D	evice	EUF	Conf	1	Misc
Access Level		or Information		-	_				
LVID AcsGrpID TmGrpID	<u>-</u>	DoorID AcsD			TM ContactIC				
001 001 001 001		1 001	128	30	1	45 90	000	Y Y	N
001 002 001	-	3 003	128	30	1	90	002	Y	Y
001 004 001	-	4 004	128	30	1	90		Y	Y
001 005 001	-	5 005	120	30	1	90	002	Y	Y
001 005 001	-	6 005	128	30	1	90	002	Y	Y
		7 007	128	30	1	90	002	Y	Y
Access Group		8 008	128	30	1	90		Y	Y
		8 008	128	30	1	90	002	Y	Y
AcsGrpID -DoorID-		10 010	128	30	1	90	002	Y	Y
001 1	4 -	11 011	128	30	1	90	000	Ϋ́	Y
001 2	-	12 012	120	30	1	90		Y	Y
001 3		13 013	120	30	1	90	000	Y	Y
001 4	-	14 014	128	30	1	90	000	Y	Y
001 5		15 015	128	30	1	45	002	Ϋ́	N
001 6	1 -	16 016	128	30	1	45		Y	N
Landa Ba	·	16/016	128	30		45	000	Ŷ	N

h. When the editing for the selected Access Level is complete, select the "Save" button (on the bottom left-hand side of the form).

17. Entering Suite Information

Changing/Adding Suite Information

Floor, Express Code, Display Name, Telephone Number

- **Note:** All the Suite records are already in the factory default file. The information has been set to blank. To add a suite merely select a blank record and enter the information.
- j. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- k. Select the "Suite/Directory Data" submenu. The Suite/Directory Data window will be displayed. **Note:** The "Remote ELP <u>DIP</u>" field is not used and should not be changed.

SFT5202					
Session View/E	dit Data Records Backup	Setup System File Setu	p/Maintenance About E>	it	
TICK Suit	ifiguration Settings ie/Directory Data Code	Camden	Camden	Camden	· Ca
Gen	v/Export Log Data erate Report port Statistics		Camden	-	-
Res	kup Database tore Database ar Existing Log(DB)	-	Camden	-	
-	-		Camden	>	>
	-	-	Camden Camden		-
	-		Camden	-	
	-		Camden	-	-
nden	Camden	Camden	Camden	Camden	Ca

- I. Select the suite to be changed from the drop down list, in the Suite ID-Display Name field **Note:** You may use the up or down arrows to scroll through the list of suites. You may also use the pg up (page up) and pg dn (page down) keys to scroll the list quickly.
- m. If required, Select the Floor from the list of Floors in the pulldown menu
- n. If required, Edit the Express Code in the "Express Code" field
- o. If required, Edit the **Display Name** in the "Display Name" field
- p. If required, Edit the **Telephone Number** in the "Telephone Num" field.
- q. When the editing for the selected suite is complete, select the "Save" button (on the bottom lefthand side of the form).
- r. When the editing for all the suites is complete, select the Close button(on the bottom right-hand side of the form)

Remote B	ELP DIP:	1	•		<mark>с</mark> s	uite ID-Display N	lame: ID:1 -	John Doe		•		
Suite Inform	mation											
Display N	lame:	John Doe			-	E Expres	sCode: 1	101				
Telephon	ie Num:	4165559595			_	D Floor:	1	-				
User Inforr	mation											
	Add User	-				a				I		
	Add User				Mod	ify User			Delete	User		
								_				
RecNo		Use	r Name	- Acs I	Elev Su		r -Code 2-	TY -Code		-Code 4-	TY -Code	5- TY
RecNo		Use	r Name	- Acs I			Y -Code 2-	TY -Code			TY -Code	95-TY
RecNo		Use	r Name	- Acs I			Y -Code 2-	TY -Code			TY -Code	5-TY
RecNo		Use	rr Name	- Acs I			Y -Code 2-	TY -Code			TY -Code	95-TY
RecNo		Use	r Name	- Acs I			Y -Code 2-	TY -Code			TY -Code	95- TY
RecNo		Use	rr Name	- Acs I			Y -Code 2-	TY -Code			TY -Code	95-TY
		Use	r Name	- Acs I			Y -Code 2-	TY -Code			TY -Code	
RecNo		Use	ir Name	- <u>Acs</u>]			Y -Code 2-	TY -Code			TY -Code	25-17/
					Elev Su	-Code 1- T			3- TY	-Code 4-	TY -Code	
					Elev Su				3- TY	-Code 4-	TY -Code	

18. Configuring Users for Access Control

Configuring a user means entering the numeric codes of the user's keyfob/card and/or transmitter and assigning the user an Access Level. Each user may also be set as a "super" user.

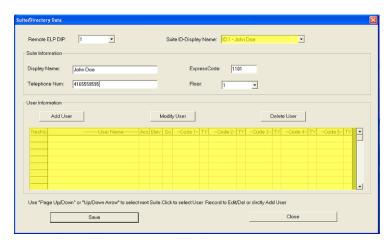
A. Adding a New User

To add a new user follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Suite/Directory" submenu. The Suite/Directory Data window will be displayed.

🚜 SFT5202				
Session View/Edit Data Records Backup	Setup System File Setu	up/Maintenance About E	at	
Configuration Settings Suite/Directory Data Pin Code	Camden	Camden	Camden	Ca
View/Export Log Data Generate Report Report Statistics		Camden		>
Restore Database Clear Existing Log(DB)	Camden	Camden	Camden	Ca
nden Camaen	Camden	Camden	Camden	Ca
nden Camden	Camden	Camden	Camden	Ca
nden Camden	Camden	Camden	Camden	Ca
nden Camden	Camden	Camden	Camden	Ca
nden Camden	Camden	Camden	Camden	Ca
nden Camden	Camden	Camden	Camden	Ca

c. Select the suite the user resides in, from the "Suite ID – Display Name" field. All the users from that suite will be displayed in the "User Information" table.



Note: If the user does not reside in a suite, for example a cleaner, select a Suite ID that is not used for an actual suite. If this unused suite has a blank "Display Name" it will not show up in the directory.

d. Select the "Add User" button. The "Add New User" form will be displayed.

Add one new us	er						2
User ID:	2	Suite ID: 2	C SUPER				
UserNam	e:						
Access Le	vel: N/A	•	Elevator Le	evel:	N/A	•	
Card 1	Code:		Type:			•	
Card 2	Code:		Туре:			•	
Card 3	Code:		Туре:			•	
Card 4	Code:		Туре:			•	
Card 5	Code:		Туре:			•	
	Sa	VE			CI	ose	

e. Enter the user information as required.

Note: A User Name must always be entered so that the user may be listed in the reporting system.

f. Click the "Save" button when completed. The "Suite/Directory Data" form is displayed. Note: The close button closes the form and discards any changes.

- g. Click the "Save" button.
- h. When you have completed all the User Access changes click the "Close" button.

19. PIN Entry Information

The CV-TAC400 has a PIN entry function. When a user enters their assigned PIN (<u>p</u>ersonal <u>i</u>dentification <u>n</u>umber) the CV-TAC400 grants access in the same way as if the number 6 was entered on a call to the suite. The CV-TAC400 maintains a list of PIN numbers and the associated Labels for the PIN. Each PIN number must be between 5 and 9 digits long.

The PIN Code Label is a readable description of the PIN Code

You may enter up to a total of 20 PIN codes.

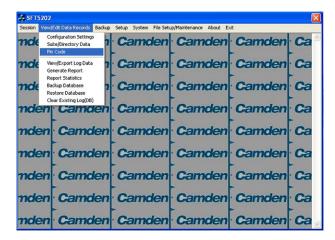
The maximum length of the PIN Code may be set to be between 5 and 9 digits. If the maximum length is reduced after some PIN Codes have been entered the PIN codes already in the system will be truncated. If this would result in duplicate codes an error message is generated and the operation is not allowed.

B. Configuring PIN Codes

To configure the PIN codes follow the steps below:

i. Adding a New PIN Code

- a. Select the "View/Edit Data Records" Menu. A drop down menu box will be displayed.
- b. In the drop down menu select the "PIN Code" Submenu. The PIN Code form will be displayed.



- c. In the PIN Code edit box enter the new PIN code.
- d. In the Label edit box enter the associated Label
- e. Select the "Add" button. The PIN Code list grid will be updated.
- f. When all the changes have been completed, Select the "SAVE" button. The data will be saved.
- g. Close the form by selecting the CLOSE button.

2	Pin Code for Opening Door	
1	-Pin Code Label - E Add Pin Code:	
7	123456 Janitor C 123456	
7	Modify Label:	
2	Delete Delete	
1		
2	▼ Reset	
2		
	Pin Code Max Length(5-9): 9 Note: Pin Code Min Length is	5.

20. Backup the Data

a. Select the Backup Menu

🖇 sFT5202 🛛 🔤					
	Edit Data Records Backup				
nden	Cama	Canden	Camden	· Camden	· Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

b. Select Create Backup

SFT5202		×
	Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
nden	Camden Camden Camden Camd	en Ca
nden	Car Save As	en Ca
nden	Modem_Agere_2.1.74.0_VistaX86 🖾 camden.lbp	en Ca
nden	Can Modem Forconn_2.1.60_VPx86 Im test.lbp My Nucic My Pictures My Shapes	en Ca
nden		en Ca
nden	Ccal File name: Samden 150 Save d	en Ca
nden	Cal Save as type: Last Backup File("LBP) Cancel	en <mark>Ca</mark>
nden	Camden Camden Camden Camd	en <mark>Ca</mark>
nden	Camden Camden Camden Camd	en Ca

c. Selection a location and create filename

SFT5202	Edit Data Records Backup	Sehim, Switzen, File Seh	.o/Maintenance About Ex	7	×
		And the second	Camden		· Ca ^
nden	Camden	Camden	Camden	Camden	Ca
mden	Camden	Camden	Camden	Camden	Ca
nden	Camden	i) success to exp		Camden	Ca
nden	Camden	success to exp	port file to local computer	Camden	Ca
nden	Camden		Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

21. Uploading Saved Information into the CV-TAC400

A. Working Online Using the Rs485 Converter

If you have been working online throughout this guide, all you need to do is close the session.

- a. Select the Session Menu
- Select Close Session. The new configuration data is automatically uploaded to the CV-TAC400.

🛃 SFT5202	💀 SFT5202		
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit		
	mden Camden Camden Camden Camden Ca		
nden Camden Camden Camden Camden Ca	mden Camden Camden Camden Ca		
nden Camden Camden Camden Camden Ca	mden Ca		
nden Camden Camden Camden Ca	nden Ca Pleese wait, process may require up to 2 minutes Click ABORT to cancel		
nden Camden Camden Camden Camden Ca			
nden Camden Camden Camden Ca	mden Ca		
nden Camden Camden Camden Ca	mden Camden Camden Camden Ca		
nden Camden Camden Camden Camden Ca	mden Camden Camden Camden Camden Ca		
mden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca		

B. Working Online Using the Modem Module

If you have been working online using the Modem Module, you cannot simply close the session. The new data must be exported to the CV-TAC400.

a. Select the "Export Data to an ELP520(s)" from the "File Setup/Maintenance" menu. Select the ELP520 Address from the pull down menu and hit Export Now.

👼 SFT5202	🗙 🧏 SFT5202
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit
Camden Camc Load Factory dealsh file from tood Computer File Load the Backup you created into SPTS202 Create Backup File(Uses the Current Configuration File) Camc	[△] mden Camden Camden Camden Camden Ca [△]
mden Camden Came Import Data from an ELF520(s) Export Data to an ELF520(s)	nden Camden Camden Camden Camden Ca
nden Camden Camden Camden Camden Ca	mck Export Data to an ELP520(s)
mden Camden Camden Camden Camden Ca	nd ELP520 Address: 1
nden Camden Camden Camden Camden Ca	Trok Export Now Close Close
mden Camden Camden Camden Camden	nden canaon canaon canaon canaon ca
nden Camden Camden Camden Camden Ca	mden Camden Camden Camden Camden Ca
mden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca
mden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca

b. The new configuration data is exported to the remote panel.

	SFT5202 Session VewEd&Data Records Backup Setup System File Setup/Mantenance About Exit
Sestor Vewledt Gata Records. Bodup Setup System File Setup/Mertenance About. Ext mdeen · Camdeen · Camdeen · Camdeen · Camdeen · Ca	
mden Camden Camden Camden Ca	mden Camden Camden Camden Ca
nd Export Data to an ELP520(s)	Toto Export Data to an ELP520(s)
nck ELP520 Address:	nck ELP520 Address: 1 Data transfer to ELP520 successful
nck Progress:	nck Progress: K Stop 2
nden cana cana cana cana cana cana cana ca	nden canada canada canada canada ca
mden Camden Camden Camden Ca	nden Camden Camden Camden Ca
mden Camden Camden Camden Ca	nden Camden Camden Camden Ca
mden Camden Camden Camden Ca	mden Camden Camden Camden Camden Ca

68 |

3.4 Configurations

Basic Master with Slave Unit

These instructions are for a CV-TAC400 configured as a master device to call suites over the telephone and allow entry through a single door when the correct telephone key is pressed.

Hardware Connections

All hardware connections are to be made before applying power to the unit.

1. Connect the Telephone Line

A dedicated telephone line is required. TIP and RING connections are provided to allow connection to a telephone line. Typically, TIP is green and RING is red.

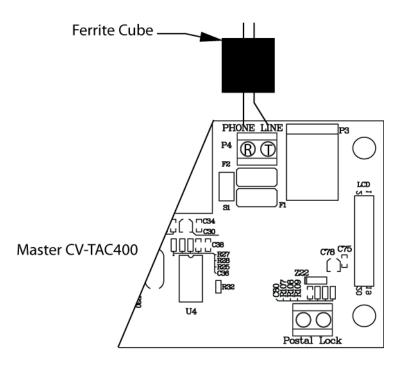


Figure 14 - Master CV-TAC400 Tip and Ring Connections

2. Connect the Modem Module (Optional)

A modem module is used to connect to a remote computer for programming the CV-TAC400. The remote computer must have a modem connection and calls the CV-TAC400. Details of programming the CV-TAC400 are contained in the section "Using the SFTD5205 Software"

When a modem connection is used the CV-TAC400 must be configured to use a shared phone line.

The telephone line connected to the modem module may be the same telephone line used by the CV-TAC400 to call the suites.

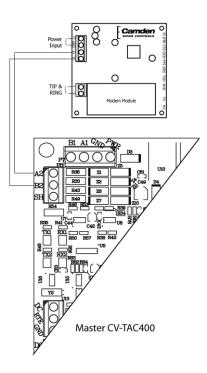


Figure 15 - Optional Modem Module Connection

3. Connect the Computer

If you are not using the modem module above, a direct connection to a computer is required for programming the CV-TAC400. An RS-485 to USB converter is used. Connect the Rs-485 Converter as shown in Figure 16.

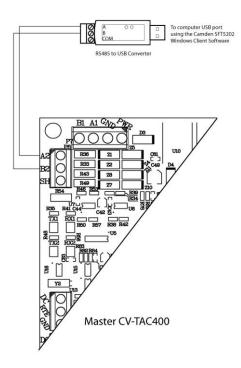


Figure 16 - RS-485 Connection to Computer

4. Connect the Door Lock

Connect the door lock to the door relay and door lock power. The exact nature of the connection depends on the specific lock used. (Figure 17)

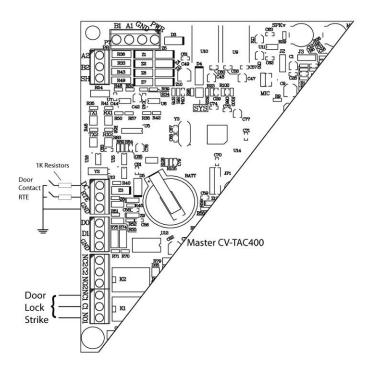
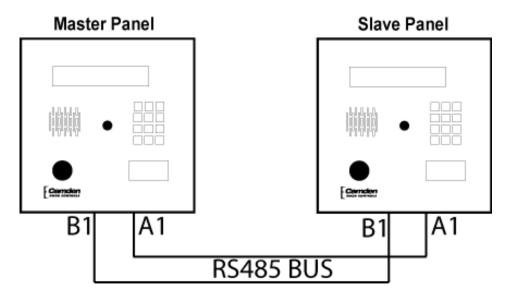


Figure 17 - Door Strike Connection

5. Connect the Slave

Connect the Slaves RS485 bus (A1B1) to the Masters RS485 bus (A1B1).





6. Connect the Power

Connect power (12 VDC) to the CV-TAC400 power connections on Port 1. (Figure 19)

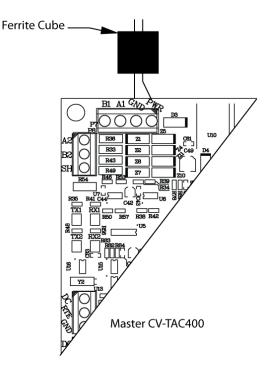


Figure 19 - Door and Power Connections

7. Set the Time and Date

Setting the time and date requires you to login to the CV-TAC400 locally via the front panel.

A. Logging In

To access the service mode for configuration the user must login with a password. To do this, follow the steps below:

Press and hold the 1, 4 and 7 buttons until the display shows "Enter password [___]". Enter the CV-TAC400's password. The default Password is "1234#".

The Main Menu will be displayed.



Note: To access additional menu items press # to move down and * to move up the menu.

1 you enter the wrong password five times in a row, you will be locked out of the unit for 2 Hrs. Even the help code will not be available.

If the wrong password is entered, the display will show: "Password Incorrect". You may then repeat the process.

From the main menu select 4:. Date & Time

The Date and Time menu allows changing the CV-TAC400's date and time. When the Date and Time menu is selected, a display similar to the example figure below will be displayed.

ELP Time and Date:
2009–Oct-19
Monday
16:14:16

To change the date or time, you position the cursor under the item you want to change and then use the 1 and 3 keys to increment or decrement that item. The # key moves the cursor right, and at the end of the line moves down to the next line. The * key moves the cursor left, and at the left end of the line the cursor moves up to the next line.

When you have finished changing the date and time, the 0 key exits to the main menu.

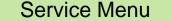
The following table summarizes how the keys affect the display:

Key	Action
#	Moves cursor right and down
*	Moves cursor left and up
1	Increments the value above the cursor
3	Decrements the value above the cursor
0	Exits the date and time menu

8. Set the DIP Address of the Master CV-TAC400 to 1

From the front panel of the Master CV-TAC400, select 3 Service Menu from the Main Menu.

Select 2 Change ELP Address.



- → 1. Change password
 - 2. Change ELP Address
 - 3. ELP Setup Menu
 - 4. ELP Status Menu

- 5. Dispatch / Request Data
- 6. Restore ELP Default
- 7. Exit

To change the CV-TAC400 DIP Address, enter the new address using the number keys. Select an address from the table below. To save the address you have just entered press the # key. To exit without changing the password enter the * key.

There must be one and <u>only one</u> Master CV-TAC400. Each system may only have up to 3 slave CV-TAC400's. The addresses must be unique within each system.

Address	CV-TAC400 Operation
1	CV-TAC400 Master
14	CV-TAC400 Slave 1
15	CV-TAC400 Slave 2
16	CV-TAC400 Slave 3

9. Set the DIP Address of the Slave CV-TAC400

From the front panel of the Slave CV-TAC400, select 3: Service Menu from the Main Menu.

Select 2: Change ELP Address.

Service Menu

- → 1. Change password
 - 2. Change ELP Address
 - 3. ELP Setup Menu
 - 4. ELP Status Menu

- 5. Dispatch / Request Data
- 6. Restore ELP Default
- 7. Exit

To change the CV-TAC400 DIP Address, enter the new address using the number keys. Select an address from the table below. To save the address you have just entered, press the # key. To exit without changing the password, enter the * key.

There must be one and <u>only one</u> Master CV-TAC400. Each system may have up to 3 slave CV-TAC400's. The addresses must be unique within each system.

Address	CV-TAC400 Operation
1	CV-TAC400 Master
14	CV-TAC400 Slave 1
15	CV-TAC400 Slave 2
16	CV-TAC400 Slave 3

10. Starting the SFT5202 Windows Client Software

The following instructions apply only if the default file locations were used in the software installation. If any changes were made, that location should be used.

To start the SFT5202 Windows Client Software open (double click) the SFT5202 icon on the desktop.

If there is no SFT5202 icon on the desktop the following steps may be performed:

- a. select the Start Menu from the windows desktop
- b. select Programs from the start menu
- c. select the "remoteAdmin" folder
- d. select SFTD5202D from the list. The main SFT5202 Windows Client Software window will be displayed

11. Establishing a Connection with the CV-TAC400

The CV-TAC400 is programmed via a Windows PC, using an USB to RS485 converter for local access or an optional CV-TAC4M Modem Module for a remote dialup connection.

Remote Connection Using a Modem

Overview

The CV-TAC400 may be connected to a computer system over a telephone line. To do this the CV-TAC400 requires the modem module. The computer requires a modem connected to it and the SFTD5202 software.

Using the modem is identical to the RS485 connection after the connection has been made. Because a computer with a modem may be used to manage multiple CV-TAC400's, the "Open Session" initialization is not used. Downloading and uploading data using the modem is described below in sub-section 11 - 'Open a Session with the CV-TAC400 (Working Online with a Modem Connection) and sub-section 16, Part B – 'Uploading Saved Information into the CV-TAC400 – Working Online Using the Modem Module'.

The telephone number and password for each building must be entered into the system. When you wish to update that particular building the dialing information can be selected from that list.

Configuring the SFTD5202 Software for the Modem

Overview

Each time the modem is used the modem must be initialized. Once the modem is initialized it may be used until the SFTD 5202 software is closed.

Finding the COM Port

To identify the modem to the SFTD5202 software the computer system gives it a name, such as COM3. To use the modem you must know its COM port number. Determining the COM port varies depending on the computer's operating system.

Different versions of the operating system will have different methods for determining the COM port. The following discussion may not exactly match your particular system. In general, for Windows Operating systems the "Control Panel" will have an icon for modem options. It may be under the "Hardware and Sound" Icon or directly visible. Selecting it will show which COM port the modem is connected to.

Changing the Settings

- a. To change the communications settings follow the steps below:
- b. Start the SFT5202 Windows Client Software
- c. Select the "Setup" menu. A list of submenus will be displayed
- d. Select the "Communications" submenu. The "Communication Setting" form will be displayed

👺 SFT5202						
Session View	v/Edit Data Records Bi		File Setup/Mainter	nance About Ex	t	
nden	Camde	Communicatio Dial Up	ns	mden	Camden	Ca
nden	Camde		lodem(s) Setting m(s) Password note Modems	mden	Camden	Ca
nden	Camde	Message outp		mden	Camden	Ca
nden	Camde	en Camo	len Ca	mden	Camden	Ca
nden	Camde	en Camo	len Ca	mden	Camden	Ca
nden	Camde	en Camo	len Ca	mden	Camden	Ca
nden	Camde	en Camo	len Ca	mden	Camden	Ca
nden	Camde	en Camo	len Ca	mden	Camden	Ca
nden	Camde	en Camo	len Ca	mden	Camden	Ca

e. In "Connection" box select Modem.

Communication Setting Com Port COM4	Connection C RS485 Line	m
Data Bits	Baud Rate : 56000	bps
Flow Control	Parity © None C Odd C Ev	/en
Rone C Xon/Xoff C RTS C Xon/RTS	Stop Bits C 1 C 2 C On	@ Off
Test Connection	Save Settings CI	ose

- f. In the "Com Port" drop down box, select the COM Port the Modem is connected to.
- g. In the "Data Bits" box select 8.
- h. In the "Flow Control" box select "none".
- i. In the "Parity" box select "None".
- j. In the "Stop Bits" box select "1".
- k. In the "Echo" box select ""Off".
- I. When you are done Save the settings by selecting the "Save Settings" button

Initializing the Modem

NOTE: The modem will remain initialized until the SFTD5202 software is shutdown. This initialization procedure must be performed each time the SFTD5202 software is restarted.

To initialize the modem follow the steps below:

a. Ensure the "Communication Setting" form is displayed.

nde	mmunication Setting Com Port COM4	Connection C RS485 Line	Modem	Ca
nde	Data Bits	Baud Rate : 5600	0 v bps	Ca
nde		Parity		Ca
ncle	Flow Control One C Xon/Xoff		Odd C Even	Ca
nde	C RTS C Xon/RTS	Stop Bits	C On C Off	Ca
nde	Test Connection	Save Settings	Close	Ca

b. Select the "Save" button.

SFT5202						
			Camden		· Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	C Successf		Camden	Ca	
nden	· Camden		fully initialize modem	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	

c. The modem is initialized.

Setting the Remote Modem

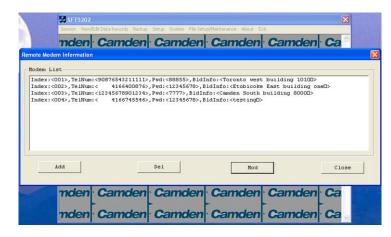
Overview

Each remote site that this system connects to will have an associated password and phone number. These may be stored in a list so that they may be easily accessed.

Setting up a Remote Modem

To add a remote site and its phone number and password to the list of sites follow the steps below:

- a. Start the SFT5202 Windows Client Software.
- b. Select the "Setup" menu. A list of submenus will be displayed
- c. Select the "List Remote Modem(s) Setting" submenu. The "Remote Modem Information" form will be displayed.



d. Select the "Add" button. The "Modem Information" form will be displayed

	5FT5202	×
	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
	mdon Camdon Camdon Camdon Camdon C	
Remote Mod	dem Information	×
Modem L Index:- Index:-	<pre>Addem Information </pre>	
Index: Index:		
	Building Information: OK Close	
		ose
	nden Camden Camden Camden Camden Ca nden Camden Camden Camden Ca	The lot of

- e. Enter the Remote telephone number in the "Telephone Number" box.
- f. Enter the Remote modem Password in the "ELP Default Password" box.
- g. Enter the Building Identification in the "Building Information" box.

					×
Sess	ion View/Edit	Data Records Back	up Setup System File Setup/Maintena	ince About Exit	
	dan (amdor	Camdon Ca	mdon Camd	on Ca
emote Modem Ir					×
Nodem Lis	iodem Inforn	nation			
Index:<00					
Index:<00 Index:<00	Index:	005		4165551122	
Index:<00	index.	005	Telephone Number:	4165551122	
	ELD Dof	ault Password	400 15070		
	LLF Dek	aun Fassworu.	12345678		
	Building	Information: To	oronto East		
		OK	<	Close	
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	and the second second			A CONTRACTOR OF	

h. Select "OK" to save the information or "Close" to exit without saving

Starting a Connection

Overview

To communicate with a remote system via modem you must first start the connection. As the system does not know which system will be connected you do not use start session.

Starting the Connection

- a. To start a connection to a remote system follow the steps below:
- b. Start the SFT5202 Windows Client Software.
- c. Select the "Setup" menu. A list of submenus will be displayed

🐺 SF T5202 🛛 🔀						
Session View/	Edit Data Records Backup	the second state of the second state of the	ıp/Mainten	ance About Exi	t -	
nden	Camden	Communications Dial Up		nden	Camden	· Ca
nden	Camden	List Remote Modern(s) Remote Modern(s) Pass Configure Remote Mod	word	mden	Camden	Ca
nden	Camden	Message output ON	~	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca

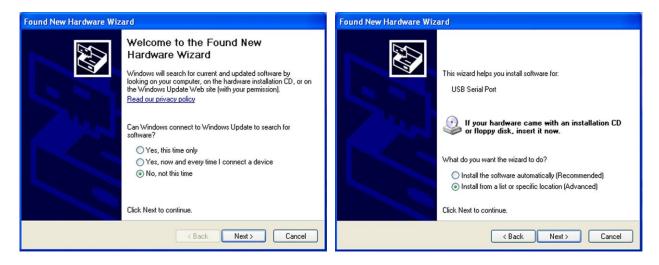
d. Select the "Dial Up" submenu. The "Dial Up" form will be displayed.

SFT5202					×
100000		p Setup System File Set			_
nden	Camder	Camden	Camden	· Camden	Ca
nden	Camder	Camden	Camden	Camden	Ca
ndel	al Up	F			3Ca
ndel	Building :			•	Ca
ndel	Telphone Num 001	: Toronto west building 1 : Etobicoke East building : Camden South building	q onel		Ca
ndei	Password:	Comben Court Sunany	100001		Ca
ndei	D	alup		Close	Ca
nden	Camder	Camden	Camden	Camden	Ca
nden	Camder	Camden	Camden	- Camden	Ca

- e. Select the remote site from the list of remote sites in the "Building" drop down list. If the building is not in the list you may enter the information in the form.
- a. Select the "Dial up" button to start the connection or Close to exit with starting the connection.

RS485 to USB Converter

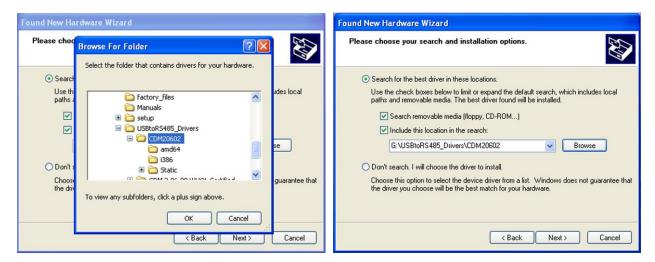
Plug the USB to RS485 converter into an empty USB port on your computer. A prompt to search the internet for a driver will pop up. Select 'No, not this time' Press Next. In the next window, select 'Install from a list or specific location [Advanced]'



Select 'Include this location in the search' and press Browse. In the Browse For Folder window, select the software CD supplied with your system.

	Found New Hardware Wizard
Found New Hardware Wizard Please choose your search and installation options.	Please choose your search and installation options.
 Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed. Search removable media (floppy, CD-ROM) Include this location in the search: F:\Documents and Settings\Jack\My Documents\M <>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Search Browse For Folder Use tr Browse For Folder Select the folder that contains drivers for your hardware. Select that drivers drivers for your hardware. Select that drivers drivers drivers drivers driter drivers drivers
< Back Next > Cancel	OK Cancel

Open the USBtoRS485_Drivers folder and select the CM20602 folder. Press OK. Select Next to start installing the driver.



The driver will be installed. Select Finish when done.

Found New Hardware Wizard	Found New Hardware Wizard
Please wait while the wizard searches	Completing the Found New Hardware Wizard
	The wizard has finished installing the software for:
USB Serial Port	USB Serial Port
S.	
	Click Finish to close the wizard.
<back next=""> Cancel</back>	< Back Finish Cancel

- 12. Open a Session with the CV-TAC400 (Working Online with an RS485 Converter))
 - a. Select the Session Menu.

w/Edit Data Records Backur m File Se Vie amden Camden Camden Camden Ca Close Session Exit Session Camden Camden Camden Ca nden Camden nden Camden Camden Camden Camden Ca nden Camden Camden Camden Camden Ca

b. Select Open Session.

		SFT5202		×
		Session View/	/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
		nden	Camden Camden Camden Camden C	Ca
		nden	Camden Camden Camden Camden	Ca
		nden	Ca Importing data from the remote ELP520	Ca
		nden		Ca
		nden		Ca
		nden	Ca den (Ca
		nden	Camden Camden Camden Camden (Ca
		nden	Camden Camden Camden Camden	Ca
		nden	Camden Camden Camden Camden	Ca
c.	Select OK when the	sessio	on has finished loading.	

SFT5202				Ŭ		
				Maintenance About E	Camden	. Ca
	•	-		•	>	-
nden	Camde	en Cai	nden	Camden	Camden	Ca
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nden	Cam	~			mden	Ca
nden		Session Op		emote ELP Databases Syn	chronized. mden	- 00
-			OK.			-
nden	Camdo	en Cai	nden	Camden	Camden	Ca
nden	Camd	en Cai	nden	Camden	Camden	Ca
nden	Camde	en Cai	nden	Camden	Camden	Ca
nden	Camd	en Car	nden	Camden	Camden	Ca

- 13. Open a Session with the CV-TAC400 (Working Online with a Modem Connection)
 - a. Select the "File Setup/Maintenance" menu and select "Import Data from an CV-TAC400(s).

🗿 SFT5202								
Session View/8	Edit Data Records Backup		up/Maintenance About E	W				
nden	Camden	Camolen Camo Load Flactory default file from Local Computer File Load the Backup you created into SFTS202 Create Backup File/Uses the Current Configuration File)						
nden	Camden		ort Data from an ELP520(s) ort Data to an ELP520(s)		Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			

b. Scan for Remote CV-TAC400s. Select the remote CV-TAC400 from the list you wish to communicate with.

🛃 SFT5202		×
_	Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
nden	mport Data from an ELP520(s)	· Ca ≙
nder	Scan Start Dip: 1 End Dip: 5	Ca
nder	Remote ELP520	Ca
nder		Ca
nder	/	Ca
nden	Import Now Close	· Ca 🗸

c. The CV-TAC400's data will be imported. The download from the remote CV-TAC400 can take up to 5 minutes.

	R Data Records Backup Setup System File Setup/Nantenance About Exit port Data from an ELP520(s)	• Ca
nder nder	Scan Start Dip: 1 End Dip: 5	Ca
nder		Ca
nder nder	Finish importing data from ELPS201111	Ca
nder nder		Ca
nder	Download<001>: Pin Code Stop	Ca

14. Changing the Greeting Message

To change the Greeting Message, perform the following steps:

a) Select the "View/Edit Data Records" Menu. A list of submenus will be displayed.

🛃 SFT5202 🛛 🔀									
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit									
TICK S	onfiguration Settings uite/Directory Data in Code	Camden	Camden	Camden	Ca				
G	ew/Export Log Data	Camden	Camden	Camden	Ca				
nde R	ackup Database estore Database lear Existing Log(DB)	-	Camden	-	-				
nden	Camden	Camden	Camden	Camden	Ca				
nden	Camden	Camden	Camden	Camden	Ca				
	Camden			-					
	Camden			-					
	Camden	-							
nden	Camden	Camden	Camden	Camden	·Ca				

- b) Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.
- c) Select the "ELP Conf" tab. The ELP Configuration table will be displayed
- d) Open (Double click on) the "Greeting Message" field of the CV-TAC400 you wish to change. The field will open for editing. You may change the text as required.

		Setting of dress:	ELP 1			1					
	Us	er	ŗ,	Access	Level		Elevato	rLevel	Slave Device	ELP Conf	Misc
E		0 Configu		Lools		Pole	DoorlD	AcsCtlMod	e Greeting Message		
		001	Mode	010	005	010	1	003	Welcome CV-TAC400		-
	014		S	010	005	010	2	001	Welcome to CV-TAC40	II Slave1	
	015		S	010	005	010	3	001	Welcome to CV-TAC40		
	016		S	010	005	010	4	001	Welcome to CV-TAC40		
					_						
	<u> </u>				-						
					-						
	-										
					_						
			-	-	_	-					•
			Save							Close	
			odve							Cibse	

- e) When the editing is complete press the "enter" key or select anywhere else in the "ELP Conf" table.
- f) Save and Upload the changed information.

15. Load the Factory Default

- ▲ Using this file will erase all previously saved data.
- 1. The default factory file is located on the installation CD.

Start by selecting a file of current information. To do this, follow the steps below

a. Select the "File Setup/Maintenance" menu. A list of submenus will appear below.

SFT5202	8				
Session View/	Edit Data Records Backup	Setup System File Se	tup/Maintenance About E	at	
nden	Camden	· Came Los	Load Factory default file from Local Computer File Load the Backup you created into SFIS202 Create Backup File(Uses the Current Configuration File)		
nden	Camden		ort Data from an ELP520(s) ort Data to an ELP520(s)		Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

b. Select the "Load the factory Default File into the computer" submenu. A file selection window will be displayed.

A SFT5202								
Session View/	Edit Data Records Backup	Setup System File Setu	up/Maintenance About Ex	dt				
nden	Camden	Camc Load Factory default Ref from Local Computer File Load the Backup you created into SFT5202 Create Backup File(Uses the Current Configuration File)						
nden	Camden		rt Data from an ELP520(s) rt Data to an ELP520(s)		Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	Camden	Camden	Ca			
nden	Camden	Camden	- Camden	Camden	Ca			

c. Navigate the Explorer window to your CD Drive containing the installation CD.

SFT5202						l	×
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d. Select the 'factory files' folder.

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nden	Ca	den Ca
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nden	Ca Files of type: All Files (") Cancel	den Ca
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nden	Camden Camden Camden Car	nden Ca

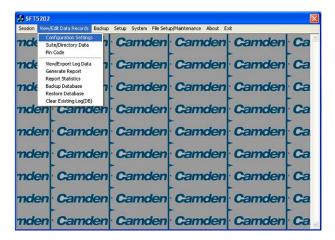
e. Select the factory Default file -> 500DIrs(noname)-nouser and then select "Open"

SFT5202	Edit Data Records Backup	Setup System File Setu	up/Maintenance About Ex	at	×
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nden	Camden	Camden	Camden	Camden	Ca
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nden	Camder			Camden	Ca
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nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

16. Setup the CV-TAC400's Configuration to Allow Slaves

If the Master and Slave unit are to share a telephone line, telephone line sharing must be enabled. To turn on telephone line sharing, follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A drop down menu box will be displayed.
- b. In the drop down menu select the "Configuration Settings" Submenu. The Configuration setting window will be displayed. Do not change the CV-400 Address field at the top of the window.



- c. Select the "ELP Conf" tab. The CV-TAC400 Configuration tables will be displayed.
- d. For the first CV-TAC400, select the Option entry by double clicking

Config	uration Setting o	of ELP								
FLE	P520 Address:	1			7					
		1.			_					
	User	γ	Access	Level	\neg	Elevat	orLevel	Slave Device	ELP Conf	Misc
	ELP520 Config	uration								
	DIP NetMod	e Mod	e LogLv	A Option	Relay	DoorlD	AcsCliMo	de Greeting Message-		<u> </u>
	001 001	м	010	013	010	1	003	Welcome		
	014 001	S	010	006	010	2	001	Welcome to Elp520 S		
	015 001	S	010	006	010	3	001	Welcome to Elp520 S		
	016 001	S	010	006	010	4	001	Welcome to Elp520 S	lave 3	
		_	_			_				
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										1
		Save	e						Close	
		_						-		

e. In the Option entry enter "013" to add or "006" to delete Telephone line sharing followed by enter.

Note: Turning on telephone line sharing is done by adding 7 to the value in the Option entry. As the default value is 6, adding 7 gives 13. More detailed information is below.

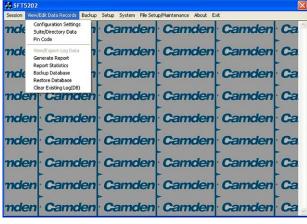
- f. Repeat steps 6 and 7 for each CV-TAC400 sharing the telephone line.
- g. When all the changes have been completed, Select the "SAVE" button. The data will be saved.
- h. Close the form by selecting the CLOSE button.

17. Entering Suite Information

Changing/Adding Suite Information

Floor, Express Code, Display Name, Telephone Number

- **Note:** All the Suite records are already in the factory default file. The information has been set to blank. To add a suite merely select a blank record and enter the information.
- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
 - b. Select the "Suite/Directory Data" submenu. The Suite/Directory Data window will be displayed. **Note:** The "Remote ELP DIP" field is not used and should not be changed.



Select the suite to be changed from the drop down list in the Suite ID-Display Name field
 Note: You may use the up or down arrows to scroll through the list of suites. You may also use the pg up

(page up) and pg dn (page down) keys to scroll the list quickly.

- d. If required, Select the Floor from the list of Floors in the pulldown menu
- e. If required, Edit the Express Code in the "Express Code" field
- f. If required, Edit the **Display Name** in the "Display Name" field
- g. If required, Edit the Telephone Number in the "Telephone Num" field.
- h. When the editing for the selected suite is complete, select the "Save" button (on the bottom lefthand side of the form).
- i. When the editing for all the suites is complete, select the Close button(on the bottom right-hand side of the form)

Display Name: John Doe ExpressCode: 1101	Remote ELP DIP:	1 💌	CSuite ID-Display Name: ID:1	1 - John Doe
Telephone Num: Intersteeling Proor: Image: Content of the second sec	Suite Information —			
Beer Information Add User Modify User Delete User RecNo —User Name Acs Elev Su -Code 1- TY -Code 2- TY -Code 4- TY -Code 5- TY -	Display Name:	John Doe		1101
Beer Information Add User Modify User Delete User RecNo —User Name Acs Elev Su -Code 1- TY -Code 2- TY -Code 4- TY -Code 5- TY -	Telephone Num:	4165559595	P Floor: 1	
				2-TY -Code 3-TY -Code 4-TY -Code 5-TY -

18. PIN Entry Information

The CV-TAC400 has a PIN entry function. When a user enters their assigned PIN (<u>p</u>ersonal <u>i</u>dentification <u>n</u>umber) the CV-TAC400 grants access in the same way as if the number 6 was entered on a call to the suite. The CV-TAC400 maintains a list of PIN numbers and the associated Labels for the PIN. Each PIN number must be between 5 and 9 digits long.

The PIN Code Label is a readable description of the PIN Code

You may enter up to a total of 20 PIN codes.

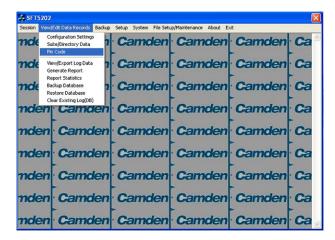
The maximum length of the PIN Code may be set to be between 5 and 9 digits. If the maximum length is reduced after some PIN Codes have been entered the PIN codes already in the system will be truncated. If this would result in duplicate codes an error message is generated and the operation is not allowed.

A. Configuring PIN Codes

To configure the PIN codes follow the steps below:

i. Adding a New PIN Code

- a. Select the "View/Edit Data Records" Menu. A drop down menu box will be displayed.
- b. In the drop down menu select the "PIN Code" Submenu. The PIN Code form will be displayed.



- c. In the PIN Code edit box enter the new PIN code.
- d. In the Label edit box enter the associated Label
- e. Select the "Add" button. The PIN Code list grid will be updated.
- f. When all the changes have been completed, Select the "SAVE" button. The data will be saved.
- g. Close the form by selecting the CLOSE button.

7		Pin Code f	or Opening Do	oor	
1	-Pin Code- Lab	el — • E	Add	Pin Code:	
7	123456 Janitor			C 123456	
2			Modify	Label:	
				D Janitor	
7			Delete	-1	
2					
		-	Reset		
7					

19. Backup the Data

a. Select the Backup Menu

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nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	

b. Select Create Backup

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maen Cal	den Ca
	den Camden Camden Ca
mden Camden Camo	den Camden Camden Ca

c. Selection a location and create filename

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nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	j success to exp	port file to local computer	Camden	Ca	
mden	Camden			Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	

20. Uploading Saved Information into the CV-TAC400

A. Working Online Using the RS485 Converter

If you have been working online throughout this guide, all you need to do is close the session.

- a. Select the Session Menu
- Select Close Session. The new configuration data is automatically uploaded to the CV-TAC400.

🛃 SFT5202	😴 SFT5202 🛛 🔀
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit
Open Session Camden Camden Camden Ca Citys Session Ext Session Camden Ca Ca <t< td=""><td>nden Camden Camden Camden Camden Ca</td></t<>	nden Camden Camden Camden Camden Ca
	nden Camden Camden Camden Camden
	Inclen Ca Exporting data to the remote ELP520
	Please wait, process may require up to 2 minutes Click ABORT to cancel
	nden Caden Ca nden Camden Camden Camden Ca
	nden Camden Camden Camden Ca
mden Camden Camden Camden Camden	nden Camden Camden Camden Camden Ca

B. Working Online Using the Modem Module

If you have been working online using the Modem Module, you cannot simply close the session. The new data must be exported to the CV-TAC400.

a. Select the "Export Data to an ELP520(s)" from the "File Setup/Maintenance" menu. Select the ELP520 Address from the pull down menu and hit Export Now.

த SFT5202	🔀 SFT5202
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit
Camden Camc Loaf Factory default life from Load Computer File Caa Loaf Hot Backup you created into SF15202 Create Backup File(Loss the Backup File) Create Backup File(Loss the Current Configuration File)	mden Camden Camden Camden Camden Ca
mden Camden Camc Import Data from an ELPS20(s) Export Data to an ELPS20(s)	mden Camden Camden Camden Camden Ca
nden Camden Camden Camden Camden Ca	mok Export Data to an ELP520(s)
nden Camden Camden Camden Camden Ca	nd ELP520 Address: 1
mden Camden Camden Camden Camden Ca	mok Export Now Close Close
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b. The new configuration data is exported to the remote panel.

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sesion Vew[Edit Data Records Backup Setup System File Setup[Merkenson About. Ext mdeen · Camdeen · Camdeen · Camdeen · Camdeen · Ca	Sesion Vewleti Data Records Backup Setup System File Setup/Martenano About Ext mdeen Camdeen Camdeen Camdeen Camdeen Ca
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mot Export Data to an ELP570(s)	Mole Export Data to an ELP520(s)
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3.4 Configurations

Basic Master with Slave Unit and Access Control

These instructions are for a CV-TAC400 configured as a master device to call suites over the telephone and allow entry through a single door when the correct telephone key is pressed. A slave CV-TAC400 allows users entry through the door associated with the slave. Card readers in the CV-TAC400's allow users to use cards or keyfobs to control entry through doors.

Hardware Connections

All hardware connections are to be made before applying power to the unit.

1. Connect the Telephone Line

A dedicated telephone line is required. TIP and RING connections are provided to allow connection to a telephone line. Typically, TIP is green and RING is red.

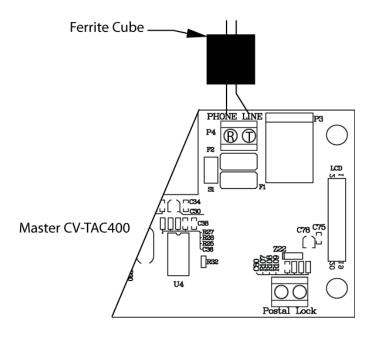


Figure 20 - Master CV-TAC400 Tip and Ring Connections

2. Connect the Modem Module (Optional)

A modem module is used to connect to a remote computer for programming the CV-TAC400. The remote computer must have a modem connection, and calls the CV-TAC400.

When a modem connection is used, the CV-TAC400 must be configured to use a shared phone line.

The telephone line connected to the modem module may be the same telephone line used by the CV-TAC400 to call the suites.

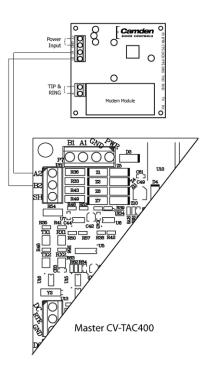


Figure 21 - Optional Modem Module Connection

3. Connect the Computer

If you are not using the modem module above, a direct connection to a computer is required for programming the CV-TAC400. An RS-485 to USB converter is used. Connect the Rs-485 Converter as shown in Figure 22

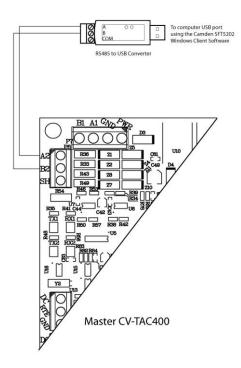


Figure 22 - RS-485 Connection to Computer

4. Connect the Reader Installed in the CV-TAC400

Connect the reader installed in the CV-TAC400 to the connections in the CV-TAC400. The minimum connections are power, ground, D0 and D1.

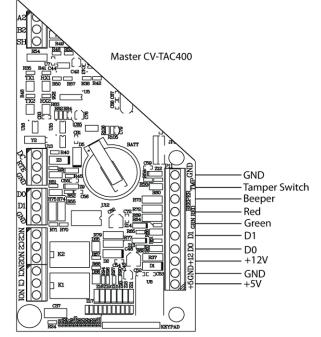


Figure 23 - Access Control Reader Connections

5. Connect the Slave

Connect the Slaves RS485 bus (A1B1) to the Masters RS485 bus (A1B1).

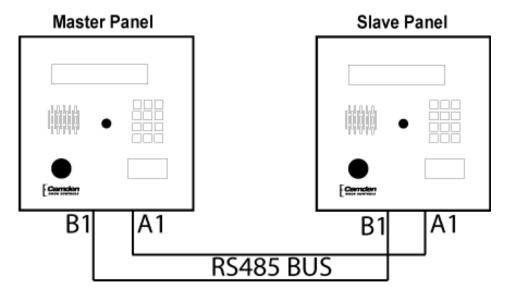


Figure 24 - Slave to Master Connections

6. Connect the Door Lock

Connect the door lock to the door relay and door lock power. The exact nature of the connection depends on the specific lock used.

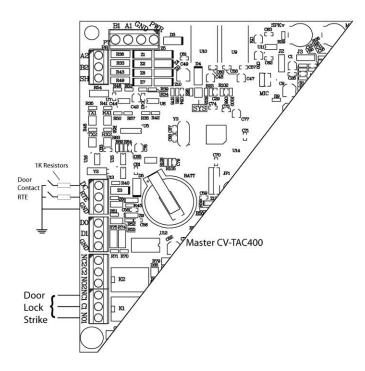


Figure 25 - Door Strike Connection

7. Connect the Power

Connect power (12 VDC) to the CV-TAC400 power connections on Port 1. (Figure 26)

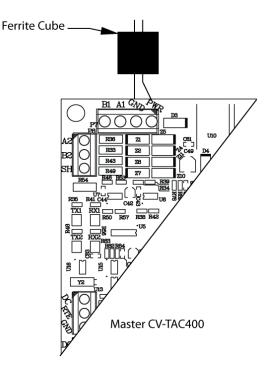


Figure 26 - Door and Power Connections

8. Set the Time and Date

Setting the time and date requires you to login to the CV-TAC400 locally via the front panel.

A. Logging In

To access the service mode for configuration the user must login with a password. To do this, follow the steps below:

Press and hold the 1, 4 and 7 buttons until the display shows "Enter password [___]". Enter the CV-TAC400's password. The default Password is "1234#". The Main Menu will be displayed.

Main Menu →1. Event Log 2. Data Display 3. Service Menu

4. Date and Time 5. Exit

Note: To access additional menu items press # to move down and * to move up the menu.

1 you enter the wrong password five times in a row, you will be locked out of the unit for 2Hrs. Even the help code will not be available.

If the wrong password is entered the display will show: "Password Incorrect". You may then repeat the process.

From the main menu select 4. Date & Time

The Date and Time menu allows changing the CV-TAC400's date and time. When the Date and Time menu is selected a display similar to the example figure below will be displayed.

ELP Time and Date:
2009–Oct-19
Monday
16:14:16

To change the date or time you position the cursor under the item you want to change and then use the 1 and 3 keys to increment or decrement that item. The # key moves the cursor right, and at the end of the line moves down to the next line. The * key moves the cursor left and at the left, end of the line the cursor moves up to the next line.

When you have finished changing the date and time, the 0 key exits to the main menu.

Key	Action
#	Moves cursor right and down
*	Moves cursor left and up
1	Increments the value above the cursor
3	Decrements the value above the cursor
0	Exits the date and time menu

The following table summarizes how the keys affect the display:

9. Set the DIP Address of the Master CV-TAC400 to 1

From the front panel of the Master CV-TAC400, select 3: Service Menu from the Main Menu.

Select 2: Change ELP Address.

Service Menu

- → 1. Change password
 - 2. Change ELP Address
 - 3. ELP Setup Menu
 - 4. ELP Status Menu

- 5. Dispatch / Request Data
- 6. Restore ELP Default
- 7. Exit

To change the CV-TAC400 DIP Address, enter the new address using the number keys. Select an address from the table below. To save the address you have just entered, press the # key. To exit without changing the password, enter the * key.

There must be one and <u>only one</u> Master CV-TAC400. Each system may only have up to 3 slave CV-TAC400's. The addresses must be unique within each system.

Address	CV-TAC400 Operation
1	CV-TAC400 Master
14	CV-TAC400 Slave 1

Address	CV-TAC400 Operation
15	CV-TAC400 Slave 2
16	CV-TAC400 Slave 3

10. Set the DIP Address of the Slave CV-TAC400

From the front panel of the Slave CV-TAC400, select 3 Service Menu from the Main Menu.

Select 2 Change ELP Address.



To change the CV-TAC400 DIP Address, enter the new address using the number keys. Select an address from the table below. To save the address you have just entered press the # key. To exit without changing the password enter the * key.

There must be one and <u>only one</u> Master CV-TAC400. Each system may only have up to 3 slave CV-TAC400's. The addresses must be unique within each system.

Address	CV-TAC400 Operation
1	CV-TAC400 Master
14	CV-TAC400 Slave 1
15	CV-TAC400 Slave 2
16	CV-TAC400 Slave 3

11. Starting the SFT5202 Windows Client Software

The following instructions apply only if the default file locations were used in the software installation. If any changes were made, that location should be used.

To start the SFT5202 Windows Client Software open (double click) the SFT5202 icon on the desktop

If there is no SFT5202 icon on the desktop, the following steps may be performed:

- a. select the Start Menu from the windows desktop
- b. select Programs from the start menu
- c. select the "remoteAdmin" folder
- d. select SFTD5202D from the list. The main SFT5202 Windows Client Software window will be displayed

12. Establishing a Connection with the CV-TAC400

The CV-TAC400 is programmed via a Windows PC, using an USB to RS485 converter for local access or an optional CV-TAC4M Modem Module for a remote dialup connection.

Remote Connection Using a Modem

Overview

The CV-TAC400 may be connected to a computer system over a telephone line. To do this the CV-TAC400 requires the modem module. The computer requires a modem connected to it and the SFTD5202 software.

Using the modem is identical to the RS485 connection after the connection has been made. Because a computer with a modem may be used to manage multiple CV-TAC400's, the "Open Session" initialization is not used. Downloading and uploading data using the modem is described below in sub-section 11 - 'Open a Session with the CV-TAC400 (Working Online with a Modem Connection) and sub-section 16, Part B – 'Uploading Saved Information into the CV-TAC400 – Working Online Using the Modem Module'.

The telephone number and password for each building must be entered into the system. When you wish to update that particular building the dialing information can be selected from that list.

Configuring the SFTD5202 Software for the Modem

Overview

Each time the modem is used the modem must be initialized. Once the modem is initialized it may be used until the SFTD 5202 software is closed.

Finding the COM Port

To identify the modem to the SFTD5202 software the computer system gives it a name, such as COM3. To use the modem you must know its COM port number. Determining the COM port varies depending on the computer's operating system.

Different versions of the operating system will have different methods for determining the COM port. The following discussion may not exactly match your particular system. In general, for Windows Operating systems the "Control Panel" will have an icon for modem options. It may be under the "Hardware and Sound" Icon or directly visible. Selecting it will show which COM port the modem is connected to.

Changing the Settings

- a. To change the communications settings follow the steps below:
- b. Start the SFT5202 Windows Client Software
- c. Select the "Setup" menu. A list of submenus will be displayed
- d. Select the "Communications" submenu. The "Communication Setting" form will be displayed

🕱 SFT5202							
Session Vie	w/Edit Data Records		System File Set	up/Mainten	ance About Ex	at .	
nder	Camd	len 😳	mmunications / Up		mden	Camden	Ca
ndei	Camd	len	: Remote Modem(s) mote Modem(s) Pas nfigure Remote Mod	sword	mden	Camden	Ca
nder	Camd	len 🛁	ssage output ON		mden	Camden	Ca
nder	Camd	len <mark>C</mark>	amden	Ca	mden	Camden	Ca
nder	Camo	len C	amden	Ca	mden	Camden	Ca
nder	Camo	len C	amden	Ca	mden	Camden	Ca
ndei	Camo	len C	amden	Ca	mden	Camden	Ca
nder	Camo	len C	amden	Ca	mden	Camden	Ca
nder	Camd	len C	amden	Ca	mden	Camden	Ca

e. In "Connection" box select Modem.

le	Com Port COM4	Connection C RS485 Line	Modem	2
te	Data Bits	Baud Rate : 56000	■ bps	2
ke		Parity		2
k	Flow Control	None C O	dd C Even	~
	C RTS C Xon/RTS	Stop Bits	Echo	
te	C RIS C X00/RIS	@ 1 C 2	⊂ On ← Off	2
te	Test Connection	Save Settings	Close	2

- f. In the "Com Port" drop down box, select the COM Port the Modem is connected to.
- g. In the "Data Bits" box select 8.
- h. In the "Flow Control" box select "none".
- i. In the "Parity" box select "None".
- j. In the "Stop Bits" box select "1".
- k. In the "Echo" box select ""Off".
- I. When you are done Save the settings by selecting the "Save Settings" button

Initializing the Modem

NOTE: The modem will remain initialized until the SFTD5202 software is shutdown. This initialization procedure must be performed each time the SFTD5202 software is restarted.

To initialize the modem follow the steps below:

a. Ensure the "Communication Setting" form is displayed.

ncle	Com Port COM4	Connection C RS485 Line	Modem	Ca
nde	Data Bits	Baud Rate : 5600	0 💌 bps	Ce
nde		Parity		Ca
nde	Flow Control	None C	Odd C Even	Ca
ncle	C RTS C Xon/RTS	Stop Bits	C On C Off	Ca
nde	Test Connection	Save Settings	Close	Ca

b. Select the "Save" button.

Section View	SFT5202					
			Camden		· Ca	
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nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	d i) Successf		Camden	Ca	
nden	Camden	V	en	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	- Camden	Camden	Ca	
nden	Camden	Camden	- Camden	Camden	Ca	

c. The modem is initialized.

Setting the Remote Modem

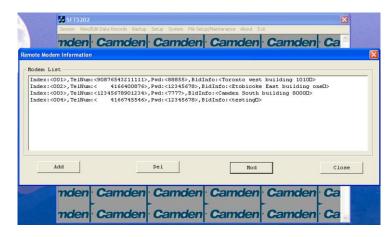
Overview

Each remote site that this system connects to will have an associated password and phone number. These may be stored in a list so that they may be easily accessed.

Setting up a Remote Modem

To add a remote site and its phone number and password to the list of sites follow the steps below:

- a. Start the SFT5202 Windows Client Software.
- b. Select the "Setup" menu. A list of submenus will be displayed
- c. Select the "List Remote Modem(s) Setting" submenu. The "Remote Modem Information" form will be displayed.



d. Select the "Add" button. The "Modem Information" form will be displayed

	🛃 SF15202	
	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
	mdon Camdon Camdon Camdon Camdon C	
Modem L	Modem Information	
Index:- Index:- Index:-	<pre><00 <00 Index: 005 Telephone Number:</pre>	
	Building Information: OK Close	
	Ada nou	elose
	nden Camden Camden Camden Camden C nden Camden Camden Camden C	- William

- e. Enter the Remote telephone number in the "Telephone Number" box.
- f. Enter the Remote modem Password in the "ELP Default Password" box.
- g. Enter the Building Identification in the "Building Information" box.

					×
Sess	ion View/Edit	Data Records Back	up Setup System File Setup/Maintena	ince About Exit	
	dan (amdor	Camdon Ca	mdon Camd	on Ca
emote Modem Ir					×
Nodem Lis	iodem Inforn	nation			
Index:<00					
Index:<00 Index:<00	Index:	005		4165551122	
Index:<00	index.	005	Telephone Number:	4165551122	
	ELD Dof	ault Password	400 15070		
	LLF Dek	aun Fassworu.	12345678		
	Building	Information: To	oronto East		
		OK	<	Close	
Ad				nou	ose
_				•	•
	don	Comdou	Camden Ca	mdon Came	on Co
TR	aen (Jamaer	r canoen ca	maen Cama	en Ga
Summer and					
m	den (Camder	Camden Ca	mden Camd	en Ca
	and the second second			A CONTRACTOR OF	

h. Select "OK" to save the information or "Close" to exit without saving

Starting a Connection

Overview

To communicate with a remote system via modem you must first start the connection. As the system does not know which system will be connected you do not use start session.

Starting the Connection

- a. To start a connection to a remote system follow the steps below:
- b. Start the SFT5202 Windows Client Software.
- c. Select the "Setup" menu. A list of submenus will be displayed

🐺 SFT5202 🛛 🔀						
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit						
nden	Camden	Communications Dial Up		nden	Camden	· Ca
nden	Camden	List Remote Modem(s) Setting Remote Modem(s) Pessword Configure Remote Modems		mden	Camden	Ca
nden	Camden	Message output ON	~	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca
nden	Camden	Camden	Ca	mden	Camden	Ca

d. Select the "Dial Up" submenu. The "Dial Up" form will be displayed.

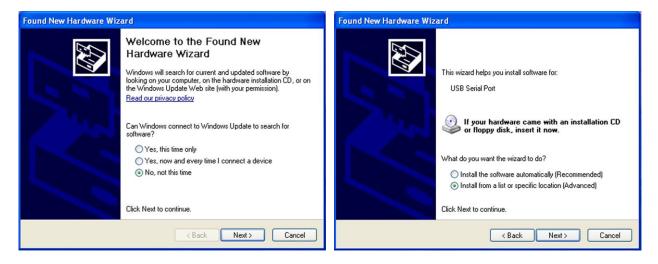
🛃 SFT5202					X
percenters where		ckup Setup System File Se			_
nden	Camde	n Camden	Camden	Camden	Ca
nden	Camde	n Camden	Camden	Camden	Ca
ndel	ial Up	F			
ndei	Building :	ione		•	Ca
ndei	Telphone Num	101: Toronto west building 102: Etobicoke East buildir 103: Camden South buildir	ng one l		Ca
ndei	Password:		9 0000		Ca
ndei		Dial up		Close	Ca
nden	Camde	Camden	Camden	Camden	Ca
nden	Camde	Camden	Camden	Camden	Ca

e. Select the remote site from the list of remote sites in the "Building" drop down list. If the building is not in the list you may enter the information in the form.

Select the "Dial up" button to start the connection or Close to exit with starting the connection.

A. RS485 to USB Converter

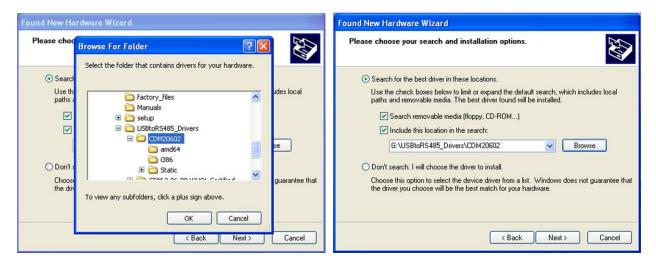
Plug the USB to RS485 converter into an empty USB port on your computer. A prompt to search the internet for a driver will pop up. Select 'No, not this time' Press Next. In the next window, select 'Install from a list or specific location [Advanced]'



Select 'Include this location in the search' and press Browse. In the Browse For Folder window, select the software CD supplied with your system.

	Found New Hardware Wizard	
Found New Hardware Wizard Please choose your search and installation options.	Please choose your search and installation options.	
 Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed. Search removable media (floppy, CD-ROM) Include this location in the search: F:\Documents and Settings\Jack\My Documents\M <> Browse Don't search. I will choose the driver to install. Choose this option to select the device driver form a list. Windows does not guarantee that the driver you choose will be the best match for your hardware. 	paths Select the folder that contains drivers for your hardware. ✓<	es local uarantee that
< Back Next > Cancel	OK Cancel	in the second

Open the USBtoRS485_Drivers folder and select the CM20602 folder. Press OK. Select Next to start installing the driver.



The driver will be installed. Select Finish when done.

Found New Hardware Wizard	Found New Hardware Wizard
Please wait while the wizard searches	Completing the Found New Hardware Wizard
	The wizard has finished installing the software for:
USB Serial Port	USB Serial Port
Z	
	Click Finish to close the wizard.
< Back Next > Cancel	< Back Finish Cancel

- 13. Open a Session with the CV-TAC400 (Working Online with an RS485 Converter))
- a. Select the Session Menu.

View/Edit Data Records Bar Ela Se amden Camden Camden Camden Ca Close Session Exit Session Camden Camden Camden Ca nden Camden Camden Camden Camden Camden Ca nden nden Camden Camden Camden Camden Ca nden Camden Camden Camden Camden Ca nden Camden Camden Camden Camden Ca mden Camden Camden Camden Camden Ca nden Camden Camden Camden Camden Ca nden Camden Camden Camden Camden Ca

b. Select Open Session.

		🛃 SFT5202		×
		Session View/	/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
		nden	Camden Camden Camden Camden	Ca
		nden	Camden Camden Camden Camden (Ca
		nden	Ca Importing data from the remote ELP520	Ca
		nden		Ca
		nden		Ca
		nden	Caden (Ca
		nden	Camden Camden Camden Camden (Ca
		nden	Camden Camden Camden Camden (Ca
		nden	Camden Camden Camden Camden	Ca .
c.	Select OK when the	sessio	on has finished loading.	

SFT5202						2
Session View/	Edit Data Record	ls Backup	Setup System File Setu	up/Maintenance About E	dt	
nden	Cam	den	Camden	· Camden	Camden	Ca
nden	Cam	den	Camden	Camden	Camden	Ca
nden	Cam	den	Camden	Camden	Camden	Ca
nden	Cam	i	Session Opened. Local and	remote ELP Databases Sync		Ca
nden	and the second se	4			mden	Ca
nden	Cam	den	Camden	Camden	Camden	Ca
nden	Cam	den	Camden	Camden	Camden	Ca
nden	Cam	den	Camden	Camden	Camden	Ca
nden	Cam	den	Camden	Camden	Camden	Ca

14. Open a Session with the CV-TAC400 (Working Online with a Modem Connection)

a. Select the "File Setup/Maintenance" menu and select "Import Data from an CV-TAC400(s).

🛃 SFT5202					
Session View/B	Edit Data Records Backup	Setup System File Set	up/Maintenance About E	dt	
nden	Camden	Came Load	Factory default file from Loo the Backup you created into te Backup File(Uses the Curr	SFT5202	Ca
nden	Camden		rt Data from an ELP520(s) rt Data to an ELP520(s)		Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

b. Scan for Remote CV-TAC400s. Select the remote CV-TAC400 from the list you wish to communicate with.

SFT5202		×
	Edit Data Records Backup Setup System File Setup/Maintenance About Exit	
nden	nport Data from an ELP520(s)	· Ca≙
nder	Scan Start Dip: 1 End Dip: 5	Ca
nder	Remote ELP520	Ca
nder		Ca
nder	/ Import Now Close	Ca
nder	Import Now Close	· Ca 🖉

c. The CV-TAC400's data will be imported. The download from the remote CV-TAC400 can take up to 5 minutes.

SFT5202 Session View/Ed	dit Data Records Backup	Setup System File Setup/Maintenance About E	Sdt	X
nder	nport Data from an EL	P520(s)		Ca
nder	Scan	Start Dip: 1 End Dip:	5	Ca
nder	Remote ELP520			Ca
nder				Ca
nder		Finish importing data from ELP520!!!!		Ca
nder		ОК		Ca
nder				Ca
nder				Ca
nder	Download<001>:	Pin Code	Stop	Ca

15. Changing the Greeting Message

To change the Greeting Message, perform the following steps:

a) Select the "View/Edit Data Records" Menu. A list of submenus will be displayed.

A SFT5202				
Session View/Edit Data Reco		ile Setup/Maintenance About	Exit	_
Configuration Set Suite/Directory D Pin Code		en Camde	n Camden	Ca
View/Export Log I Generate Report Report Statistics		en Camde	n Camden	Ca
TICK Backup Database Restore Database Clear Existing Loo	e (DB)	-	n Camden	-
-	iden Camde	-	-	-
-	nden Camde	-	-	-
>	nden Camde	-	-	>
	nden Camde	-	-	-
-	nden Camde	-		-
maen Can	nden Camde	en Camde	n Camden	· ca

- b) Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.
- c) Select the "ELP Conf" tab. The ELP Configuration table will be displayed
- d) Open (Double click on) the "Greeting Message" field of the CV-TAC400 you wish to change. The field will open for editing. You may change the text as required.

P52	U Ad	dress:	1								
	Us	er		Access	Level	Υ	Elevato	irLevel	Slave Device	ELP Conf	Misc
		20 Config									
									de Greeting Message		-
	001		м	010	005	010	1	003	Welcome CV-TAC400		
	014		S	010	005	010	2	001	Welcome to CV-TAC40		
	015		S	010	005	010	3	001	Welcome to CV-TAC40		
	016	001	S	010	005	010	4	001	Welcome to CV-TAC40	JU Slave3	
	<u> </u>										
	<u> </u>	-				-					
	<u> </u>	-				-					
	<u> </u>		-		-	-	-				
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	-	1			-	-	-				
	-	1			-						-
	_										
_											

- e) When the editing is complete press the "enter" key or select anywhere else in the "ELP Conf" table.
- f) Save and Upload the changed information.

16. Load the Factory Default

- ▲ Using this file will erase all previously saved data.
- 1. The default factory file is located on the installation CD.

Start by selecting a file of current information. To do this, follow the steps below

a. Select the "File Setup/Maintenance" menu. A list of submenus will appear below.

🗿 SFT5202						
	Edit Data Records Backup	No. of Concession, Name	Load Fac Load the	About E ctory default file from Lo Backup you created int Backup File(Uses the Cur	cal Computer File o SFT5202	Ca
nden	Camden	Came		lata from an ELP520(s) lata to an ELP520(s)		Ca
nden	Camden	Camd	en	Camden	Camden	Ca
nden	Camden	Camdo	en	Camden	Camden	Ca
nden	Camden	Camde	en	Camden	Camden	Ca
nden	Camden	Camde	en	Camden	Camden	Ca
nden	Camden	Camde	en	Camden	Camden	Ca
nden	Camden	Camdo	en	Camden	Camden	Ca
nden	Camden	Camde	en	Camden	Camden	Ca

b. Select the "Load the factory Default File into the computer" submenu. A file selection window will be displayed.

🛃 SFT5202					X
Session View/	Edit Data Records Backup	Setup System File Setu	up/Maintenance About Ex	dt	
nden	Camden	Came Load	Factory default file from Loc the Backup you created into te Backup File(Uses the Curr	SFT5202	· Ca
nden	Camden		rt Data from an ELP520(s) rt Data to an ELP520(s)		Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca

c. Navigate the Explorer window to your CD Drive containing the installation CD.

🛃 SFT5202			×
		m File Setup/Maintenance About Ex	
nden	Camden Cam	den Camden	Camden Ca
nden	Calopen		2 den Ca
nden	🔂 db-setup 💽	setup	📑 den Ca
nden	setup		den Ca
nden	Ca db-inst		den Ca
nden	Cal File name:		Open den Ca
nden	Ca Files of type: All Files (".")		Cancel den Ca
nden	Camden Cam	den Camden	Camden Ca
nden	Camden Cam	den Camden	· Camden · Ca

d. Select the 'factory files' folder.

SFT5202		×
Session View/E	idit Data Records Backup Setup System File Setup/Maintenance About Exit	
nden	Camden Camden Camden Can	nden Ca
nden	Cal Open	den Ca
nden	500Dirs(noname)-noUsers	den Ca
nden	Ca.	den <mark>Ca</mark>
nden	Ca	den <mark>Ca</mark>
nden	Cal File name: 500Dirs(noname)-noUsers Open	den Ca
nden	Cal Files of type: All Files (".") Cancel	den Ca
nden	Camden Camden Camden Cam	nden Ca
nden	Camden Camden Camden Can	nden Ca

e. Select the factory Default file -> 500DIrs(noname)-nouser and then select "Open"

SFT5202					X
			· Camden		Ca
			-	-	>
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	· Camden	Camden	· Camden	Ca
nden	Camder	· · ·	×	Camden	Ca
nden	Camder	Finish loading fa	ctory file from local computer	Camden	Ca
The second second	-		ж		-
maen	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	· Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	- Camden	Camden	Ca

17. Setup the CV-TAC400's Configuration to Allow Slaves

If the Master and Slave unit are to share a telephone line, telephone line sharing must be enables. To turn on telephone line sharing, follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A drop down menu box will be displayed.
- b. In the drop down menu select the "Configuration Settings" Submenu. The Configuration setting window will be displayed. Do not change the CV-400 Address field at the top of the window.

A SFT5202			
	Setup System File Seture		• Camden Ca
View/Export Log Data Generate Report Report Statistics		-	Camden Ca
Restore Database Restore Database Clear Existing Log(DB)		-	Camden Ca
nden Camden		-	
nden Camden	Camden	Camden	Camden Ca
nden Camden	Camden	Camden	Camden Ca
nden Camden		-	-
nden Camden	Camden	· Camden	Camden Ca

- c. Select the "ELP Conf" tab. TheCV-TAC400 Configuration tables will be displayed.
- d. For the first CV-TAC400 select the Option entry by double clicking

С	onfigura	tion	Setting of	ELP								×
	ELP52	h A fl	dress:	1			1					
				1.		-	1					
		Us	er	ľ	Access	Level	Υ	Elevato	orLevel	Slave Device	ELP Conf	Misc
	-	I DES	0 Configu	ration								
			NetMode			(a	(D	D 10		e Greeting Message-		
		001		Mode	010	013	Relay 010	1	003	Welcome		^ ^
E		014		S	010	006	010	2	003	Welcome to Elp520 S	love 1	
		015		S	010	006	010	3	001	Welcome to Elp520 S		
		016		S	010	006	010	4	001	Welcome to Elp520 S		
		_										
		_										
		-										
		-										
		-		-	-	-	-			-		
Ľ				Save							Close	
				5406						_		

e. In the Option entry enter "013" to add or "006" to delete Telephone line sharing followed by enter.

Note Turning on telephone line sharing is done by adding 7 to the value in the Option entry. As the default value is 6, adding 7 gives 13. More detailed information is below.

- f. Repeat steps 6 and 7 for each CV-TAC400 sharing the telephone line.
- g. When all the changes have been completed Select the "SAVE" button. The data will be saved.
- h. Close the form by selecting the CLOSE button.

18. Set the Facility Code

To add or change a facility code, follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.

Session	No. of the second s	Satura Surtan Eila Sat	up/Maintenance About Ex	.a	X
nck	Configuration Settings Suite/Directory Data Pin Code		Camden		· Ca^
nde	View/Export Log Data Generate Report Report Statistics		Camden	-	-
mcke	Backup Database Restore Database Clear Existing Log(DB)		Camden	-	-
and the second second	n Camden	-	Camden	-	-
100.0000	n Camden	-		-	-
	n Camden	-	-	-	-
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca

c. Select the Misc tab. The miscellaneous tables will be displayed.

c	onfiguration Setting of	ELP														×
	ELP520 Address:	1														
	User	AccessLevel	Elevator	Level	Slav	e Device	γ	E	ELP C	onf		r		Mis	c	
	Facility Code	Holiday List Holiday List 65-01-02 65-01-02 65-01-03 65-01-04 65-01-05		002		23:59 17:00 02:00 23:59		n Tu	Y Y N N		Y Y	Υ	Y N Y	Y N N Y		
		Save							C	lose						

- d. In the Facility Code table select (double click) the Facility Code entry you wish to edit.
- e. Enter the Facility Code and then press "Enter"

Note: Adding a Facility code is done by replacing one of the "0" entries with the Facility Code you wish to add. Zero is not a valid facility code

- f. When all the entries have been competed, select the Save button.
- g. To close the Form select the Close button.
- h. Save and Upload the changed information.

19. Setup the Access Control Information

A. Default Settings

To assist you in configuring the CV-TAC400, the factory default file is set up with some useful default settings.

Time Group 1 is set to allow access 24 hours per day 7 days per week holidays included.

Access Group 1 is doors number 1 though 8.

Access Level 1 is the combination of Time Group 1 and Access Group 1.

What this means is that to allow a user to always pass through door 1, 2, 3, 4, 5, 6, 7, or 8, that user should be set to Access Level 1.

The facility codes 34, 910 and 912 are already entered as factory default settings.

Note: Access level 1 allows 24 hour access through doors 1 through 8 (unless modified by the installer).

B. Configuring Access Groups

Configuring an Access Group means adding a particular door to the group. The doors are identified by a Door ID number. For doors the Door ID number is the same as the CV-TAC4WC DIP address. See the Hardware Configuration section for instructions on the electrical connection of the door.

Each Access Group has multiple entries in the Access Group table. This is because an Access Group may have more than 1 door. Each row in the Access Group table has a space for a door and an Access Group.

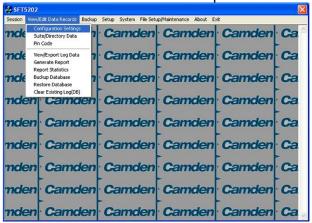
Door ID 1 is the door connected to the CV-TAC400 itself.

Which Door ID is connected to which CV-TAC4WC (DIP Address of CV-TAC4WC) is shown in the Door Information table under the Access Level tab.

There are 8 Access Groups numbered 1 through 8. Each Access group can have up to 8 doors assigned to it. By default, Access Group 1 has doors 1 through 8 assigned to it. There are a maximum of 16 doors.

To assign a door to an Access Group follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.



- c. Select the Access Level tab. The Access tables will be displayed.
- d. In the Access Group table select (double click) the Door ID entry you wish to edit.

User	AccessLevel	EI	evatorLevel		Slave Dev	ice	ELP	Conf		Misc
Access Level			ormation							
LvID AcsGrp1		Doorl	D AcsDevDIF					RteAddr		
001 001	001		1 001	128	30	1	45	000	Y	N
001 002	001		2 002	128	30	1	90	002	Y	Y
001 003	001		3 003	128	30	1	90	002	Y	Y
001 004	001		4 004	128	30	1	90	002	Y	Y
001 005	001		5 005	128	30	1	90	002	Y	Y
Cossiloss	لكال عمما		6 006	128	30	1	90	002	Y	Y
			7 007	128	30	1	90	002	Y	Y
Access Group			8 008	128	30	1	90	002	Y	Y
AcsGrpID	-Onorio-		9 009	128	30	1	90	002	Y	Y
001			0 010	128	30	1	90	000	Y	Y
001	2	1	1 011	128	30	1	90	000	Y	Y
001	3	1	2 012	128	30	1	90	000	Y	Y
001	4	1	3 013	128	30	1	90	000	Y	Y
001	5	1	4 014	128	30	1	90	002	Y	Y
001		1	5 015	128	30	1	45	000	Y	N
	· ·	1	6 016	128	30	1	45	000	Y	N

- e. Enter the Door Id information and then press "Enter"
- f. When the editing for the selected Access Group is complete, select the "Save" button (on the bottom left-hand side of the form).

C. Configuring Time Groups

Configuring a Time Group means setting a start time, an end time and list of days of the week the time group is active. This is done in the Time Group List table.

To Configure a Time Group follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.

4 SFT5202				
Session View/Edit Data Records Backup	Setup System File Setu	p/Maintenance About E	at	
TICK Configuration Settings Suite/Directory Data Pin Code	Camden	Camden	Camden	· Ca^
Yiew/Export Log Data Generate Report Report Statistics		Camden	-	-
Restore Database Clear Existing Log(DB)		Camden	-	-
nden Camden	-	-	-	-
nden Camden			-	-
nden Camden			>	-
nden Camden nden Camden				-
nden Camden		-	-	-
Jack	Connacin	Contractor		N.

- c. Select the Misc tab. The miscellaneous tables will be displayed.
- d. In the Time Group table select (double click) the Start Time entry you wish to edit.

iguration Setting o	1 •												
User	AccessLevel	ElevatorLevel	Slav	e Device	Υ	E	LP C	onf		ŗ		Mis	cj
Facitily Code	Holiday List	Time Gro											
-Code- 34	Holiday 05-01-01	Index 00	00:00	23:59		Y	Y		Y	Y			Ĥ
910	05-01-02		09.00	17:00	Y	Y	Ŷ	Y	Ý	N	N	N	
912	05-01-03		00:00	02:00	Y	N	N	N	N	N	N	N	
0	05-01-04	00-	00:00	23:59	N	Ν	Ν	N	N	Y	Y	Y	
0	05-01-05												
0	05-01-06												
0	05-01-07												
0	05-01-08		-										
Ő	05-01-05												
													-
						-		-	-			-	
	Save						0	lose					
	0410				_				_	_			

- e. Enter the Start Time and then press "Enter"
- f. In the Time Group table select (double click) the End Time entry you wish to edit.

Note: The End Time is inclusive, that is, the End Time itself is included in the time group

- g. Enter the End Time and then press "Enter"
- h. Select "Y" in column for a day to include it "N" to exclude it. All Holidays may be included or excluded by setting the HOL column.
- i. When the editing for the selected Time Group is complete, select the "Save" button.

D. Configuring Access Levels

Configuring an Access Level means adding an Access Group – Time Group pair to the Access Level. An Access Level may contain up to eight Access Group – Time Group pairs.

To assign an Access Group – Time Group pair to an Access Level follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Configuration Settings" submenu. The Configuration setting window will be displayed. Do not change the CV-TAC400 Address field at the top of the window.

🗸 SFT5	202				×
Session	View/Edit Data Records Backup	Setup System File Setu	up/Maintenance About E>	it	
nck	Configuration Settings Suite/Directory Data Pin Code	Camden	Camden	Camden	• Ca^
nck	View/Export Log Data Generate Report Report Statistics	· Camden	Camden	Camden	Ca
nck	Backup Database Restore Database Clear Existing Log(DB)	Camden	Camden	Camden	Ca
nde	Camaen	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca

c. Select the Access Level tab. The Access tables will be displayed.

User	AccessLevel		ElevatorLeve	el [Slave Dev	ice	ELP	Conf	ľ	Misc
Access Level			Information							
LvID AcsGrp1		Do	orID AcsDevI			ContactIO		RteAddr		Relock
001 001	001		1 001	128	30	1	45		Y 1	
001 002	001		2 002	128	30	1	90		Y١	
001 003	001		3 003	128	30	1	90		Y ۱	
001 004	001		4 004	128	30	1	90		Y١	
001 005	001		5 005	128	30	1	90		Y ۱	
Constana			6 006	128	30	1	90		Y١	
			7 007	128	30	1	90		Y ۱	
Access Group			8 008	128	30	1	90		Y۱	
AcsGrpID	-DoortD-		9 009	128	30	1	90		Y ۱	1
001			10 010	128	30	1	90		Y۱	
001			11 011	128	30	1	90		Y ۱	
001			12 012	128	30	1	90		Y١	
001			13 013	128	30	1	90	000	Y١	1
001			14 014	128	30	1	90	002	ΥÌ	/ 1
001			15 015	128	30	1	45	000	Y N	4
	· ·		16 016	128	30	1	45	000	Y N	4

- d. In the Access Level table select (double click) the Access Group ID entry you wish to edit.
- e. Enter the Access Group ID information and then press "Enter"

User	AccessLevel	Elev	vatorLevel		Slave Devi	ce	ELP	Conf	Ϋ́	Misc	
Access Level		Door Infor	mation								
LvID AcsGrp1		DoorID	AcsDevDIP	LockIO	UnlockTM	ContactIO	HoldTM	RteAddr	Forced	Relock	-
001 001	001		001	128	30	1	45			N	
001 002	001	2	002	128	30	1	90	002	Y	Y	
001 003	001	3	003	128	30	1	90	002	Y	Y	1
001 004	001	4	004	128	30	1	90	002	Y	Y	1
001 005	001	5	005	128	30	1	90	002	Y	Y	1
Localoss	لـــــــــــــــــــــــــــــــــــــ	6	006	128	30	1	90	002	Y	Y	1
		7	007	128	30	1	90	002	Y	Y	1
Access Group		8	008	128	30	1	90	002	Y	Y	
AcsGrpID	-DoorfD-	9	009	128	30	1	90	002	Y	Y	
001		10	010	128	30	1	90	000	Y	Y	
001		11	011	128	30	1	90			Y	
001		12	012	128	30	1	90	000	Y	Y	
001		13	013	128	30	1	90	000	Y	Y	
001			014	128	30	1	90		Y	Y	
001		15	015	128	30	1	45	000	Y	N	
	·	16	016	128	30	1	45	000	Y	N	I - I

- f. In the Access Level table select (double click) the Time Group ID entry you wish to edit.
- g. Enter the Time Group Id information and then press "Enter"

nfiguration Setting of ELP							
ELP520 Address:							
User AccessLevel	ElevatorLevel	Slave De	rvice	ELPO	Conf	Mit	ic
Access Level	Door Information						
LMID AcsGrpID TmGrpID	DoorID AcsDevDIP		M Contact	IO HoldTM		Forced Relo	
001 001 001		128 30	1	45		Y N	- 1-1
001 002 001		128 30 128 30	1	90		Y Y Y Y	- 11
001 003 001			1	90			_
001 004 001		128 30	1	90		Y Y Y Y	_
001 005 001		128 30		90			- 11
		128 30	1	90		Y Y	- 11
Access Group		128 30	1	90		Y Y	
		128 30	1	90		Y Y	- 1
AcsGrpID -DoorID-		128 30	1	90		Y Y	_
001 1		128 30	1	90		Y Y	
001 2		128 30	1	90		Y Y	
001 3		128 30	1	90		Y Y	
001 4		128 30	1	90		Y Y	
001 5	14 014	128 30	1	90		Y Y	
001 6	15 015	128 30	1	45	000	Y N	
	16 016	128 30	1	45	000	Y N	-
Save	<u></u>				Close		

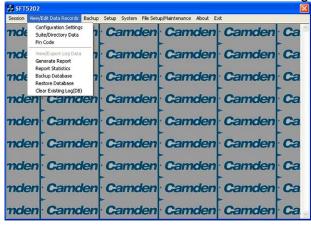
h. When the editing for the selected Access Level is complete, select the "Save" button (on the bottom left-hand side of the form).

20. Entering Suite Information

Changing/Adding Suite Information

Floor, Express Code, Display Name, Telephone Number

- **Note:** All the Suite records are already in the factory default file. The information has been set to blank. To add a suite merely select a blank record and enter the information.
- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed.
- b. Select the "Suite/Directory Data" submenu. The Suite/Directory Data window will be displayed. **Note:** The "Remote ELP DIP" field is not used and should not be changed.



Select the suite to be changed from the drop down list in the Suite ID-Display Name field.
 Note: You may use the up or down arrows to scroll through the list of suites. You may also use the pg up

(page up) and pg dn (page down) keys to scroll the list quickly.

- d. If required, Select the **Floor** from the list of Floors in the pulldown menu.
- e. If required, Edit the Express Code in the "Express Code" field.
- f. If required, Edit the **Display Name** in the "Display Name" field.
- g. If required, Edit the Telephone Number in the "Telephone Num" field.
- h. When the editing for the selected suite is complete, select the "Save" button (on the bottom lefthand side of the form).
- i. When the editing for all the suites is complete, select the Close button(on the bottom right-hand side of the form).

Remote ELP DIP:	1	C Suite ID-Display Name: ID-1 - John Doe
Suite Information	P 20	
F Display Name:	John Doe	E ExpressCode: 1101
G Telephone Num:	4165559595	Ploor:
User Information Add User RecNo	er User Name	Modity User Delete User Acs Elev Su -Code 1-17Y -Code 2-17Y -Code 3-17Y -Code 5-17Y -

15, Configuring Users for Access Control

Configuring a user means entering the numeric codes of the user's keyfob/card and/or transmitter and assigning the user an Access Level.

A. Adding a New User

To add a new user follow the steps below:

- a. Select the "View/Edit Data Records" Menu. A list of submenus will be displayed
- b. Select the "Suite/Directory" submenu. The Suite/Directory Data window will be displayed.

🛃 SFT5202 🛛 🔀							
Session	View/Edit Data Records Backup	o Setup System File Setu	p/Maintenance About Ex	at			
nde	Configuration Settings Suite/Directory Data Pin Code	Camden	Camden	Camden	· Ca		
nde	View/Export Log Data Generate Report Report Statistics	-	Camden		-		
nde	Restore Database Clear Existing Log(DB)	-	Camden	-	-		
	en Camden	-	-	-	-		
	en Camden	-	-	-	>		
	en Camden	>	-	-	>		
	en Camden	-	>		-		
	en Camden	-	-	-			
TRAC	Canaci	Current	Canaci	Curracii			

c. Select the suite the user resides in, from the "Suite ID – Display Name" field. All the users from that suite will be displayed in the "User Information" table.

Remote ELP DIP:	1 -	Suite ID-Display Name: ID:1 - John D	loe 💌
- Suite Information	John Doe	ExpressCode: 1101	-
Telephone Num:	4165559595	Floor: 1	×
Add Use	rr User Name Acs Ele	Modify User	
Use "Page Up/Do		te.Click to select User Record to Edit/Del o	r dirctly Add User
	Save		Close

Note: If the user does not reside in a suite, for example a cleaner, select a Suite ID that is not used for an actual suite. If this unused suite has a blank "Display Name" it will not show up in the directory.

d. Select the "Add User" button. The "Add New User" form will be displayed.

Add one new user					×
User ID: 2	Suite ID: 2				
UserName:				1	
Access Level: N/A	•	Elevator Level:	N/A		
Card 1 Code:		Туре:		•	
Card 2 Code:		Туре:		V	
Card 3 Code:		Туре:		<u> </u>]
Card 4 Code:		Туре:		•	
Card 5 Code:		Type:		•]
Se	ive			Close	

e. Enter the user information as required.

Note: A User Name must always be entered so that the user may be listed in the reporting system.

f. Click the "Save" button when completed. The "Suite/Directory Data" form is displayed. Note: The close button closes the form and discards any changes.

- g. Click the "Save" button.
- h. When you have completed all the User Access changes click the "Close" button.

21. PIN Entry Information

The CV-TAC400 has a PIN entry function. When a user enters their assigned PIN (<u>p</u>ersonal <u>i</u>dentification <u>n</u>umber) the CV-TAC400 grants access in the same way as if the number 6 was entered on a call to the suite. The CV-TAC400 maintains a list of PIN numbers and the associated Labels for the PIN. Each PIN number must be between 5 and 9 digits long.

The PIN Code Label is a readable description of the PIN Code

You may enter up to a total of 20 PIN codes.

The maximum length of the PIN Code may be set to be between 5 and 9 digits. If the maximum length is reduced after some PIN Codes have been entered the PIN codes already in the system will be truncated. If this would result in duplicate codes an error message is generated and the operation is not allowed.

A. Configuring PIN Codes

To configure the PIN codes follow the steps below:

i. Adding a New PIN Code

a. Select the "View/Edit Data Records" Menu. A drop down menu box will be displayed.
b. In the drop down menu select the "PIN Code" Submenu. The PIN Code form will be displayed.

🍰 SFT5					
Session	View/Edit Data Records Backup				
nck	Configuration Settings Suite/Directory Data Pin Code	Camden	Camden	Camden	∙ Ca.≏
nck	View/Export Log Data Generate Report Report Statistics	Camden	Camden	Camden	Ca
nde	Backup Database Restore Database Clear Existing Log(DB)	Camden	Camden	Camden	Ca
nde	Camaen	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca
nde	n Camden	Camden	Camden	Camden	Ca

- c. In the PIN Code edit box, enter the new PIN code.
- d. In the Label edit box, enter the associated Label
- e. Select the "Add" button. The PIN Code list grid will be updated.
- f. When all the changes have been completed, Select the "SAVE" button. The data will be saved.
- g. Close the form by selecting the CLOSE button.

7	Pin Code for Opening Door	
2	123456 Janitor	in Code: 23456
2	Modify	abel:
7	Delete	Janitor
2	Reset	
2	Reset	

22. Backup the Data

a. Select the Backup Menu

😹 SFT5202					X
			up/Maintenance About E:		
nden	Cama	- Canden	· Camden	· Camden	· Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	Camden	Ca
nden	Camden	Camden	Camden	· Camden	Ca

b. Select Create Backup

SFT5202		×
	dt Data Records Backup Setup System File Setup/Meintenance About Ext Camden Camden Camden	nden Ca
nden	Cal Save As	den Ca
nden	Cal Save in: 🛄 My Documents 🔽 🖛 🗈 😁 📰 -	den Ca
nden	My Pictures	den Ca
nden	Ca Wy Shapes	den Ca
nden	Ca. File name: Save Save	den Ca
nden	Save as type: Last Backup File("LBP) Cancel	den Ca
mden	Camden Camden Camden Can	nden Ca
nden		nden Ca

c. Selection a location and create filename

SET5202						
			Camden		Ca	5
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden			Camden	Ca	
100	Camden	V		Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	
nden	Camden	Camden	· Camden	Camden	Ca	
nden	Camden	Camden	· Camden	Camden	Ca	
nden	Camden	Camden	Camden	Camden	Ca	

23. Uploading Saved Information into the CV-TAC400

A. Working Online

If you have been working online throughout this guide, all you need to do is close the session.

a. Select the Session Menu

b. Select Close Session. The new configuration data is automatically uploaded to the CV-TAC400.

🛃 SFT5202	🐺 SFT5202		
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit		
Open Session Camden Camden Camden Ca Citys Session Ext Session Camden Ca Ca <t< td=""><td>nden Camden Camden Camden Camden</td></t<>	nden Camden Camden Camden Camden		
nden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca		
	Exporting data to the remote ELP520		
	Please wait, process may require up to 2 minutes Click ABORT to cancel		
	nden Ca		
	nden Caden Ca nden Camden Camden Camden Ca		
	nden Camden Camden Camden Camden Ca		
	nden Camden Camden Camden Camden Ca		

B. Working Online Using the Modem Module

If you have been working online using the Modern Module, you cannot simply close the session. The new data must be exported to the CV-TAC400.

a. Select the "Export Data to an ELP520(s)" from the "File Setup/Maintenance" menu. Select the ELP520 Address from the pull down menu and hit Export Now.

த SFT5202	💯 SFT5202		
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit		
nden Camden Camc Los Factory default file from Local Computer File Cade the Bachup you created into SP15202 Create Bachup File(Loss the Current Configuration File)	nden Camden Camden Camden Camden Ca		
mden Camden Came Import Data from an ELF520(s) Export Data to an ELF520(s)	mden Camden Camden Camden Camden Ca		
mden Camden Camden Camden Camden Ca	mok Export Data to an ELP520(s)		
nden Camden Camden Camden Camden Ca	mok ELP520 Address: 1 .		
nden Camden Camden Camden Camden Ca	nck Export Now Close		
nden Camden Camden Camden Camden Ca	nden canacing canacing canacing can		
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca		
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca		
mden Camden Camden Camden Camden Ca	mden Camden Camden Camden Camden Ca		

b. The new configuration data is exported to the remote panel.

🗱 SFT5202 🛛 🔀	🐼 SFT5202
Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit	Session View/Edit Data Records Backup Setup System File Setup/Maintenance About Exit
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Ca
nden Camden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca
Export Data to an ELP520(s)	Export Data to an ELP520(s)
nck ELP520 Address:	Trick ELP520 Address:
nd Progress:	ndi Progress: K Stop a
nden same same same same same	nok
nden Camden Camden Camden Ca	nden Camden Camden Camden Ca
nden Camden Camden Camden Ca	nden Camden Camden Camden Ca
nden Camden Camden Camden Ca	nden Camden Camden Camden Camden Ca

Regulatory Information

FCC Part 15 Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help

FCC part 68 Notice

1) UPON REQUEST ONLY, you must provide the following data to your telephone utility company (telco):

a) Notice of intention to install or permanently remove an FCC Part 68 registered device or system, and the FCC Registration Number.

b) The Ringer Equivalence Number (REN) (see device label). Note that if several devices are connected to the same line, the RENs must not add up to more than 5.0 (A or B). This REN figure is important to your telco.

c) The (USOC) jack type to be provided by telco. Typically this will be RJ-11C/W for single lines.

2) This device may not be used on telco-operated coin phone lines. Party lines and privately owned coin-phones are subject to local State regulatory policies, and possible additional State special requirements.

3) The telco has the right to make changes to their network which may affect the operation of your equipment, provided you are given adequate advance written notice to permit correct operation.

4) In cases of operational problems, disconnect your unit by removing the modular plug from the telco jack. If your regular phone (or other device or system) still works properly, your CV-TAC400 has a problem and must remain disconnected and (officially) serviced or returned for repairs. If upon the above disconnection your regular service still has problems, notify your telco that they may have a problem. If a problem is found in premises wiring not telco installed, you are subject to a service charge. If a fault is in telco installed wiring, you may be subject to a service call charge.

5) Unless otherwise noted in the User's Manual (eg: fuses, etc.), user may not under any circumstances (in or out of warranty) attempt any service, adjustments or repairs on this unit. It must be returned to the factory or authorized U.S. service agency for all such work. Locations (or phone numbers) of factory or authorized U.S. service points are listed in this user's manual.



























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