TWO DOOR CARD ACCESS SYSTEM KIT — TX3-CX-2K

[TX3] *Series*

TELEPHONE/CARD ACCESS SYSTEMS

Description

Mircom's TX3-CX-2K is a two door access control kit that provides all the necessary items to create a complete access control system. The TX3-CX-2K door access control kit comes complete with one TX3-CX door controller, two SR-2400MI-GR-MP proximity card readers, configuration software and a USB cable for programming.

TX3-CX Door Controller

The TX3-CX door controller provides control for two access points or doors. The controller features a standard Wiegand interface and can be used as a stand-alone or networked system. The network can be configured with TX3-CX card access controllers or it can be a combination of nodes comprised of TX3-CX card access controllers, TX3 telephone access lobby units and TX3 elevator control units.

SR-2400MI-GR-MP Proximity Reader

The access control kit includes two SR-2400MI-GR-MP proximity card readers that deliver exceptional value without compromise on quality, durability, and performance. The SR-2400MI-GR-MP proximity card reader comes in an attractive, slim line dark grey enclosure. The reader may be mounted on a metal door frame, a window mullion or directly to an interior or exterior wall or cabinet.

The electronics of the SR-2400MI-GR-MP reader are encapsulated in a UL approved epoxy resin potting compound to seal them against adverse environmental conditions. The SR-2400MI-GR-MP proximity card readers are metal compensated, resulting in minimal loss of read range and provide ease of installation in various door access applications.

Feature/Benefits

- RS-485 supports maximum of 63 panels (combination of TX3-CX card access control units, TX3 telephone access lobby panels and TX3 elevator restriction units) to satisfy all entry level systems. Max 126 card readers.
- 8 programmable inputs to monitor auxiliary input points
- 8 programmable outputs; 6 are Form C contacts (normally open/normally closed), two provide 12 VDC power for up to 1 amperes of current combined
- Standalone system or integrates with the TX3 telephone access lobby panels via an RS-485 connection
- Convenient on-board battery backup and charging capability
- Metal compensated proximity card readers that feature a Wiegand output and a read range of 4 to 5.5 inches and can mount to all surfaces
- Supports all credential formats such as clamshell cards, graphic cards, key tags and wafers (ordered separately)
- Optional vehicular control using dual technology wireless transmitters that can have a built-in proximity coil (wafer)
- Unified database for TX3 telephone access and card access systems reduces administration time and support
- A convenient optional modem module for remote programming
- High level features include:
  - High Security
    A convenient feature enabling the user to perform 'emergency lock down' or 'emergency evacuation' by swiping an ID card four times in front of a reader to lock or unlock all doors
  - Soft Anti-Pass Back
    This function prevents the buddy system by requiring the user to use an exit reader before using an entry reader up to 900 seconds.
  - Mantrap/Interlocking Doors
    This feature monitors and controls access to a high value or critical security area by ensuring one door is locked before opening the second door
  - Delayed Egress
    This feature requires a user to press and hold a request to exit bar/button before releasing the door enabling security to respond before releasing the door
- Compatible to any Wiegand reader technology including Mifare, biometric, proximity and iClass
- Elevator Control for up to 96 floors to restrict users to specific floors

CATALOG NUMBER 6531

Access Control Panels

TX3-CX-2K Two Door Controller Kit
Comes complete with;
- Two door controller
- Two mullion mount card readers
- System software configurator
- USB cable for connection to PC

TX3-CX Two Door Controller
A two door controller with system software and a USB cable.

Dimensions:

14" (h) x 12" (w) x 2.8" (d) /356 mm (h) x 305 mm (w) x 71mm (d)

Readers

SR-2400MI-GR-MP Mullion Mount Reader
The SR-2400MI-GR-MP is designed to fit on a 1 ¾" standard metal door or window frame. A metal compensation feature ensures minimal read range loss when the reader is mounted on metal. The readers low profile design esthetically blends to any indoor or outdoor wall surface by two mounting screws.
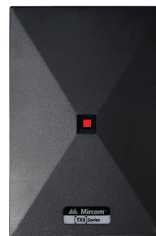
Voltage: 5 to 12 VDC
Dimension:
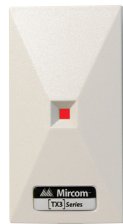*4.5 x 1.8 x 0.70 inch (11.4 x 4.5 x 1.8 cm)*

TX3-P500-HA Single Gang Mount Reader
The TX3-P500-HA is a switch plate reader designed to easily mount directly on a single gang box with a read range of up to 8 inches (20 cm).

Voltage: 5 to 16 VDC
Dimension:
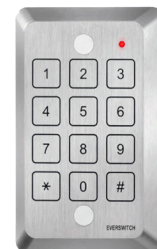*4.6 x 3.1 x 0.36 inch (11.7 x 7.7 x 0.9 cm)*

TX3-P640-H-A Keypad with Proximity Reader, Single Gang Mount
The TX3-P640-H-A is a combined proximity reader with 12 button keypad designed to fit directly on a single gang box. The TX3-P640-H-A is ideal for dual authentication for high security requirements or where a convenient PIN access would be required.

Voltage: 5 to 16 VDC
Dimension:
4.6 x 3.0 x 0.4inch (11.7 x 7.7 x 1.0 cm)

TX3-WRR-42
Dual Channel receiver compatible to TX3-WRT-2H and TX3-WRT-4H key tags.

TX3-P300-HA Mini Mullion Mount Reader
The TX3-P300-HA is used for indoor or outdoor applications for up to 6 inch read range.

Voltage: 5 to 16 VDC
Dimension:
3.2 x 1.7 x 0.7 inch (8.0 x 4.3 x 1.7 cm)

39201237 Wiegand Keypad
A solid aluminum, tamper resistant, single gang mount keypad, IP68 rated with audible visual feedback. The keypad has an operating temperature of 32°F to 257°F (-40°C to 125°C).

NOT TO BE USED FOR INSTALLATION PURPOSES.

Elevator Restriction

Elevator control is ideal for mixed use buildings where retail and residential access share common elevators. With our TX3-ER-8 elevator control the user can restrict access to each card holder to specific floor or floors.
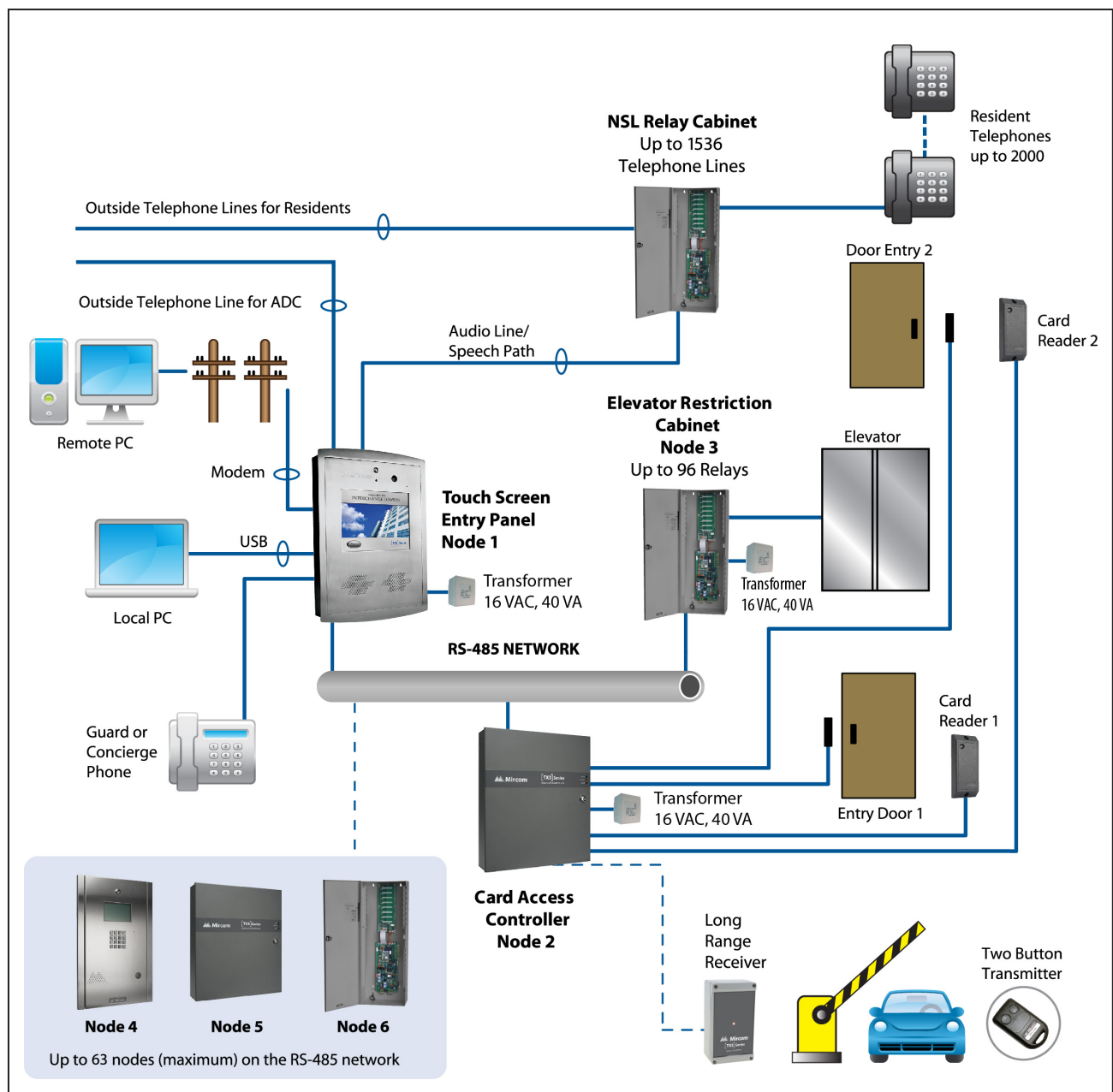
The TX3-ER-8 provides access to one or several floors up to 96 floors or doors, using 2012E relay cards. Typically, a user presents his card to the card reader in the cab, the relays assigned to the card will trip and provide activation to the floor buttons in the elevator cabin and the user can select from the floors he has been granted access to.

TX3-ER-8   Elevator Restriction Cabinet
2012E   Twelve Unit Elevator Restriction Card

PC Requirements

- Dual core processor, 1 GHz
- 1 GB RAM
- 600 MB disk space
- Windows XP SP2/Vista/Windows 7
- USB Connection

TX3 Series Network Diagram

NSL Relay Cabinet
Up to 1536 Telephone Lines

Resident Telephones up to 2000

Outside Telephone Lines for Residents

Door Entry 2

Outside Telephone Line for ADC

Card Reader 2

Audio Line/ Speech Path

Remote PC

Elevator Restriction Cabinet
Node 3
Up to 96 Relays

Elevator

Modem

Touch Screen Entry Panel Node 1

USB

Transformer 16 VAC, 40 VA

Transformer 16 VAC, 40 VA

Local PC

RS-485 NETWORK

Card Reader 1

Guard or Concierge Phone

Transformer 16 VAC, 40 VA

Entry Door 1

Card Access Controller Node 2

Long Range Receiver

Two Button Transmitter

Node 4   Node 5   Node 6

Up to 63 nodes (maximum) on the RS-485 network

NOT TO BE USED FOR INSTALLATION PURPOSES.

Mircom™

Ordering Information

Model	Description
TX3-CX-2K	Two Door Access Control System Kit c/w one TX3-CX Door Controller, two proximity card readers (SR-2400MI-GR-MP), transformer, TX3-MSW Configurator software and a USB cable. Battery Back-up: one 12 VDC battery, 4 Ah to 6.5 Ah.
TX3-CX	Two Door Controller in a grey metal lockable cabinet including a 16VAC, transformer, software and USB cable. Battery Back-up: one 12 VDC battery, 4 Ah to 6.5 Ah.
Readers	
SR-2400MI-GR-MP	Mullion Mount Reader, 125 KHz, 5 to 12 VDC. Dimensions: 4.5 x 1.8 x 0.70 inch (11.4 x 4.5 x 1.8 cm)
TX3-P500-HA	Single Gang Mount Reader, Grey, 125 KHz, 5 to 16 VDC, Dimensions: 4.6 x 3.1 x 0.36 inch (11.7 x 7.7 x 0.9 cm)
TX3-P300-HA	Mini Mullion mount, 125 KHz, 5 to 16 VDC, Dimensions: 3.2 x 1.7 x 0.7 inch (8.0 x 4.3 x 1.7 cm)
TX3-P640-H-A	Keypad with Proximity Reader, Single gang mount, 5 to 16 VDC. Dimensions: 4.6 x 3.0 x 0.4 inch (11.7 x 7.7 x 1.0 cm)
39201237	A solid aluminum, tamper resistant, single gang mount keypad, IP68 rated with audible/visual feedback. Operating Temperature: 32°F to 257 °F (-40°C to 125°C)
TX3-WRR-42	Dual Channel Receiver for use with TX3-WRT-2H and TX3-WRT-4H.
Credentials	
CS-MIR-0-0	Clam Shell Proximity card with slot for portrait orientation strap. Accepts photo ID overlay. Packaged in quantities of 25 pieces.
GR-MIR-H-26 GR-MIR-H-37	Graphics Card for printing on both sides. Provision for portrait or landscape card slot punching. Packaged in quantities of 50 pieces. Available in 26-bit format GR-MIR-H-26 and Mircom format GR-MIR-H-37.
PW-MIR-0-0	Proximity Wafer with adhesive backing. One inch (2.54 cm) diameter. Packaged in quantities of 10 pieces.
KT-MIR-0-0	Key tag for key ring. Durable ABS plastic case to withstand years of abuse. Packaged in quantities of 10 pieces.
TX3-WRT-2H	Two Button transmitter with HID supported proximity tag.
TX3-WRT-4H	Four Button transmitter with HID supported proximity tag.
Accessories	
TX3-MDM	Modem module mounts onto control panel board.
TX3-DATA-MDM	Modem USB 2.0 stick, one required per PC. Compliant with V.92, V.90 and V.44
TX3-USB-AD	USB to RS-485 Adaptor kit includes an MD-993 module and mounting hardware.
Batteries	
BATT-12V5A	Battery, 12 VDC, 5 AH, one required per TX3-CX Control panel
BATT-12V7A	Battery, 12 VDC, 7.2 AH, one required per TX3-CX Control panel