

# Telguard Digital Model TG-1

## QUICK INSTALLATION GUIDE

### Installation Summary

There are five steps in installing Telguard properly. **IF YOU DO NOT PROCEED IN THE ORDER AND MANNER PRESCRIBED, YOU MAY NOT COMPLETE THE INSTALLATION IN THE TIME ALLOCATED.**

#### STEP 1: REGISTER FOR TELGUARD SERVICE

Complete the Registration Form online at [www.Telguard.com](http://www.Telguard.com) or fax the form to Telguard Customer Service prior to leaving for the job site. Telular requires this information to register and activate the unit.

#### STEP 2: LOCATE UNIT AND MEASURE SIGNAL STRENGTH (RSSI)

First, you will be confirming that Telguard has adequate cellular signal strength. Press the LED Mode Toggle button, LEDs will now indicate signal strength. Minimum recommended is 2 ½ (2 on solid and the third flashing).

#### STEP 3: PROGRAM, ACTIVATE & TRANSMIT PANEL ALARMS OVER THE CELLULAR RADIO NETWORK

Next, you will be programming the Telguard unless the default settings are what you want. Then connect the alarm panel's digital dialer output to Telguard and verify that alarm signals can be reliably sent over cellular to the central station digital receiver. A minimum of two alarm signals must be transmitted.

**(NOTE: THE FIRST ALARM WILL ACTIVATE THE UNIT AT THE TELULAR COMMUNICATION CENTER, IT WILL NOT GO TO THE CENTRAL STATION, ALL SIGNALS AFTER THE FIRST ARE SENT TO THE CENTRAL STATION)**

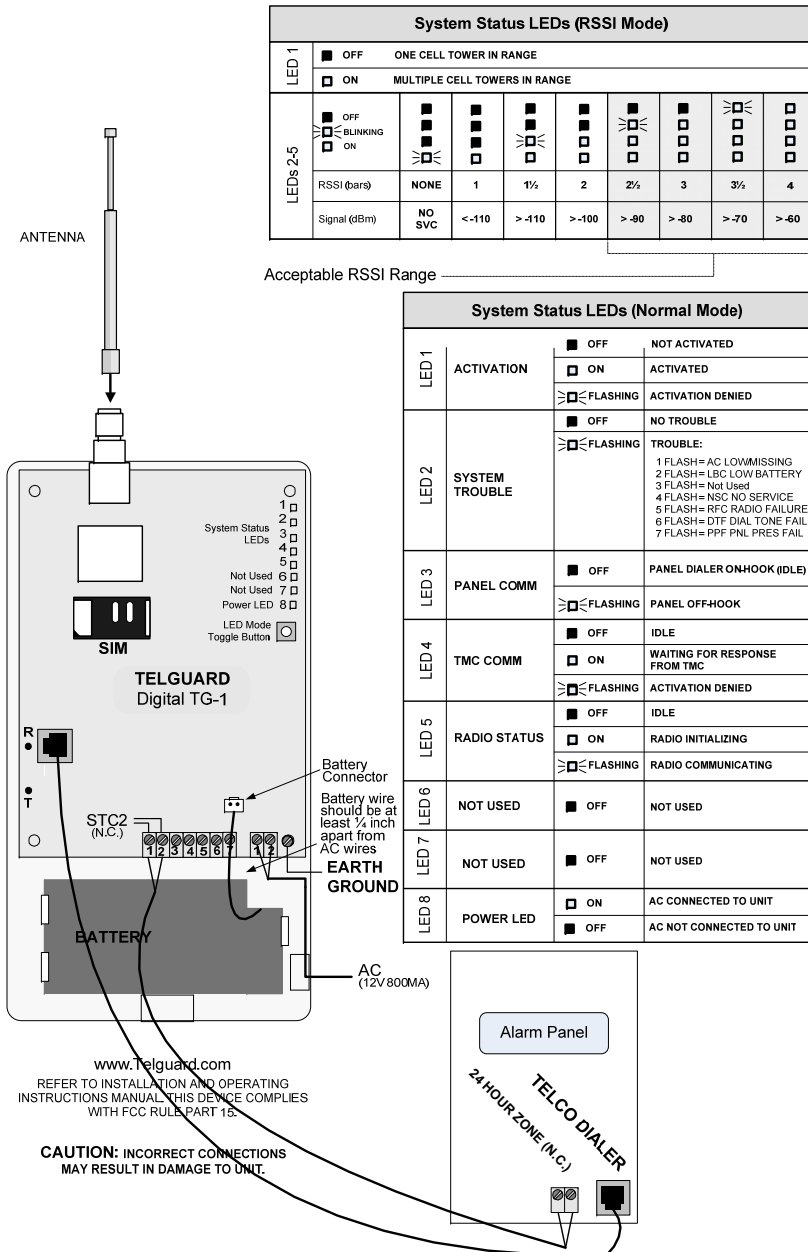
**Model TG-1 only transmits CONTACT ID.**

#### STEP 4: CONNECT SUPERVISORY TRIP OUTPUTS

Next, you will wire Telguard's supervisory trip output to the alarm panel and then test.

#### STEP 5: COMPLETE THE INSTALLATION

Your last step will be to attach earth ground, and permanently mount the unit. The LED Mode will reset to normal automatically after 10 minutes.



## Setup & Programming the Operating Parameters in the Telguard Digital

When the Telguard is received from the factory and is powered up for the first time, it is immediately ready for activation, provided the default settings are what you want (note: Registration Form must be sent to Telular). The STC LED #2 will flash to indicate any failure conditions. The MODE LED #3 will be off and the STC relay will be tripped. If changes are required to the default settings, the Telguard can be programmed using a line-mans butt-set connected to T & R Test Points or a POTS phone connected to the RJ-45 jack (where the alarm panel is normally connected).

### TO PROGRAM THE TELGUARD

- A. Put the line-mans butt-set in talk mode or pick up the POTS phone.
- B. Connect power to the Telguard, when ready for programming you will hear 2 beeps.
- C. Press #, \*, this will put the Telguard into a Master Access programming mode, 2 beeps.
- D. Enter changes required:

The syntax for programming a specific memory location is as follows:

**MEMORY LOCATION (3-digits), will respond with 2 beeps,  
then VALUE, will respond with 2 beeps.**

- E. Then press \*, you will hear 2 beeps then hang up. This saves the change and exits the programming mode.

Mem Loc.	Field	Default Value	Setting
851	STC Trip Output Reporting Normally Closed	59	Enter the SUM TOTAL of the events that you wish to trip the STC relay by ADDING the corresponding values: 00 = Not Used      08 = NSC 32 = DTF 01 = AC Failure    16 = RFC            59 = ALL 02 = Low Battery
852	STC Trip Delay for NSC	2	1=30 seconds    4=10 minutes    7=45 minutes 2=60 seconds    5=20 minutes    8=60 minutes 3=3 minutes      6=30 minutes    9=24 hours
858	STC History	N/A	0 = terminate STC history display mode 1 = start STC history display mode 2 = clear STC history
868	PPF Delay	0	0 = disabled, 1 = 10 seconds, 2=20 seconds, ... 15=150 seconds
872	AC Failure Delay	02	0-24 hours, default = 2 hours
899	Factory Default Unit		

### **NOTE: SPECIAL LED INDICATIONS DURING ACTIVATION**

If the Telguard fails to confirm activation it will be displayed on the LEDs:

System Status LEDs	Activation Indications
ALL LEDS FLASHING	FAILED ACTIVATION – SIGNAL TOO WEAK
LED #1 & LED #4 FLASHING	ACTIVATION ERROR – CALL TELGUARD TECHNICAL SUPPORT
LED #1 ON	ACTIVATION SUCCESSFUL
LED #2 ON SOLID NOT ACTIVATED	NEED TO CONNECT PANEL AND TRIP ZONE

On either a **FAILED ACTIVATION** or **ACTIVATION ERROR**, the unit **MUST BE RESET** by pressing the LED Mode button twice. The **ACTIVATION MESSAGE MUST BE RESENT** or the **TELGUARD** will **NOT TRANSMIT** any signals.