



TELGUARD

Telguard TG-7 Series Quick Installation Guide

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Telguard TG-7 Series

QUICK INSTALLATION GUIDE [BACKUP MODE]

Installation Summary

There are seven 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 CELLULAR SERVICE

Register the unit online through www.telguardonline.com, by completing the Online Registration Form at www.Telguard.com. Telular requires this information to 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/RSSI Mode Toggle button one time, LEDs will now indicate signal strength. Minimum recommended is 2 1/2 (2 on solid and the third flashing). Press the LED/RSSI Mode Toggle button a second time to exit RSSI mode.

STEP 3: TRANSMIT PANEL ALARMS OVER THE TELCO CONNECTION

Next, you will verify that the alarm panel is programmed properly. This step is important to verify that the alarm panel is programmed with valid account code and central station information before transmitting signals through the cellular network.

STEP 4: PROGRAM, ACTIVATE & TRANSMIT PANEL ALARMS OVER THE CELLULAR RADIO NETWORK

Next, you will be connecting the alarm panel's digital dialer output to Telguard and verifying that alarm signals can be reliably sent through Telguard over cellular to the central station digital receiver. The incoming Telco line is **not** connected to Telguard during this step. A minimum of two alarm signals must be transmitted. Activation is confirmed when LED 1 is illuminated.

(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)

STEP 5: CONNECT SUPERVISORY TRIP OUTPUTS

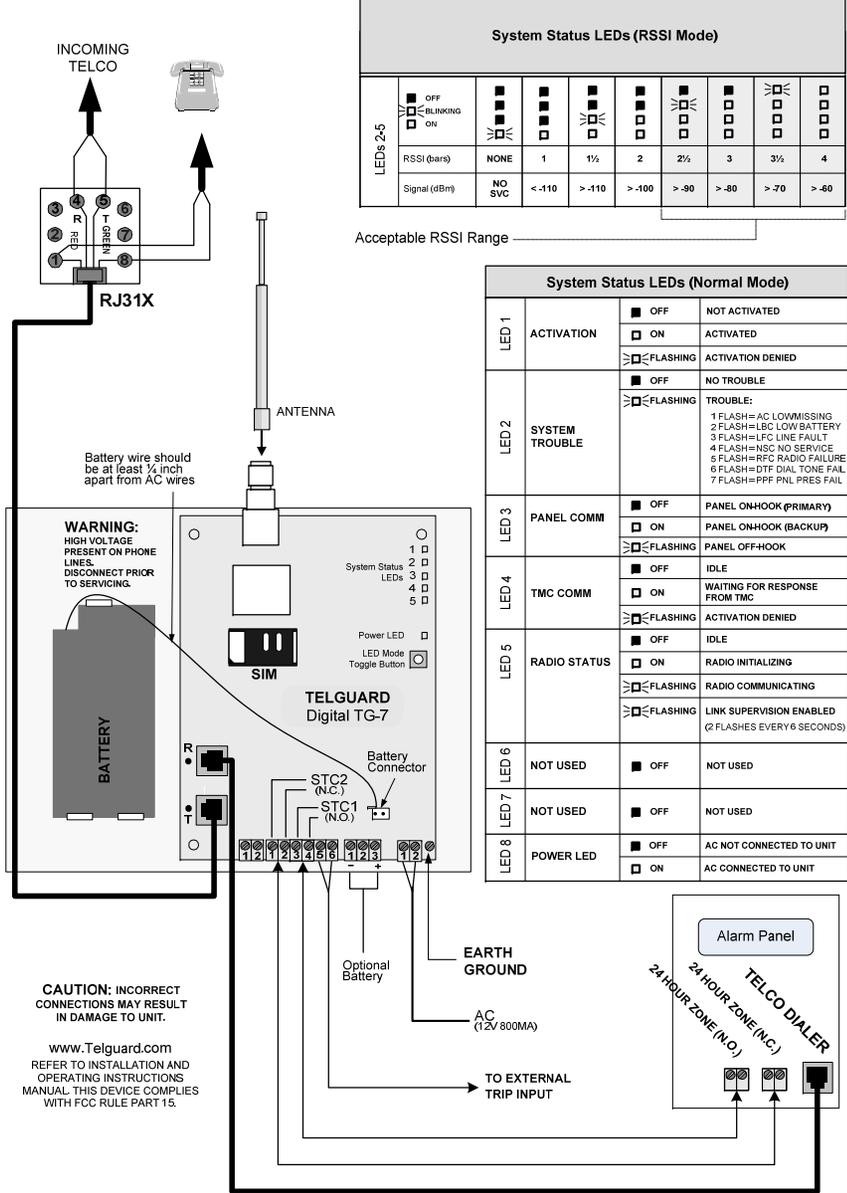
Next, you will wire Telguard's supervisory trip outputs to the alarm panel and then test.

STEP 6: CONNECT TRIP INPUT (OPTIONAL)

Optionally, you can wire an external relay input to the trip input lead and ground, and test.

STEP 7: COMPLETE THE INSTALLATION

Your last step will be to attach earth ground, reconnect Telco, and permanently mount the unit.



Telguard TG-7 Series

QUICK INSTALLATION GUIDE [SOLE PATH]

Installation Summary

There are seven 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.**

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Register the unit online through www.telguardonline.com, by completing the Online Registration Form at www.Telguard.com. 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/RSSI Mode Toggle button one time, LEDs will now indicate signal strength. Minimum recommended is 3 (3 on solid). Press the LED/RSSI Mode Toggle button a second time to exit RSSI mode.

STEP 3: CONFIGURE ALARM PANEL FOR SOLE PATH CONNECTION

Fire panels are typically provided with two Telco connections. Because the TG-7 provides a single connection, the panel must be set up accordingly. The first method of installation is to configure the panel to disable the second Telco connection. If this is not an option due to panel limitations, it is possible to splice both TIP and RING connections from the panel into the single jack of the Telguard. The TG-7 is capable of providing dial tone to both Telco connections.

STEP 4: PROGRAM, ACTIVATE & TRANSMIT PANEL ALARMS OVER THE CELLULAR RADIO NETWORK

Program the TG-7 for Sole Path communication. You may do this by setting Memory Location 831 to a value of 3, using a butt-set. (See programming guide on reverse). LED 3 will be off when idle, if successful. Next, connect the alarm panel's digital dialer output to Telguard and verify that alarm signals can be reliably sent through Telguard over cellular to the central station digital receiver. A minimum of two alarm signals must be transmitted. Activation is confirmed when LED 1 is illuminated.

(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)

STEP 5: CONNECT SUPERVISORY TRIP OUTPUTS

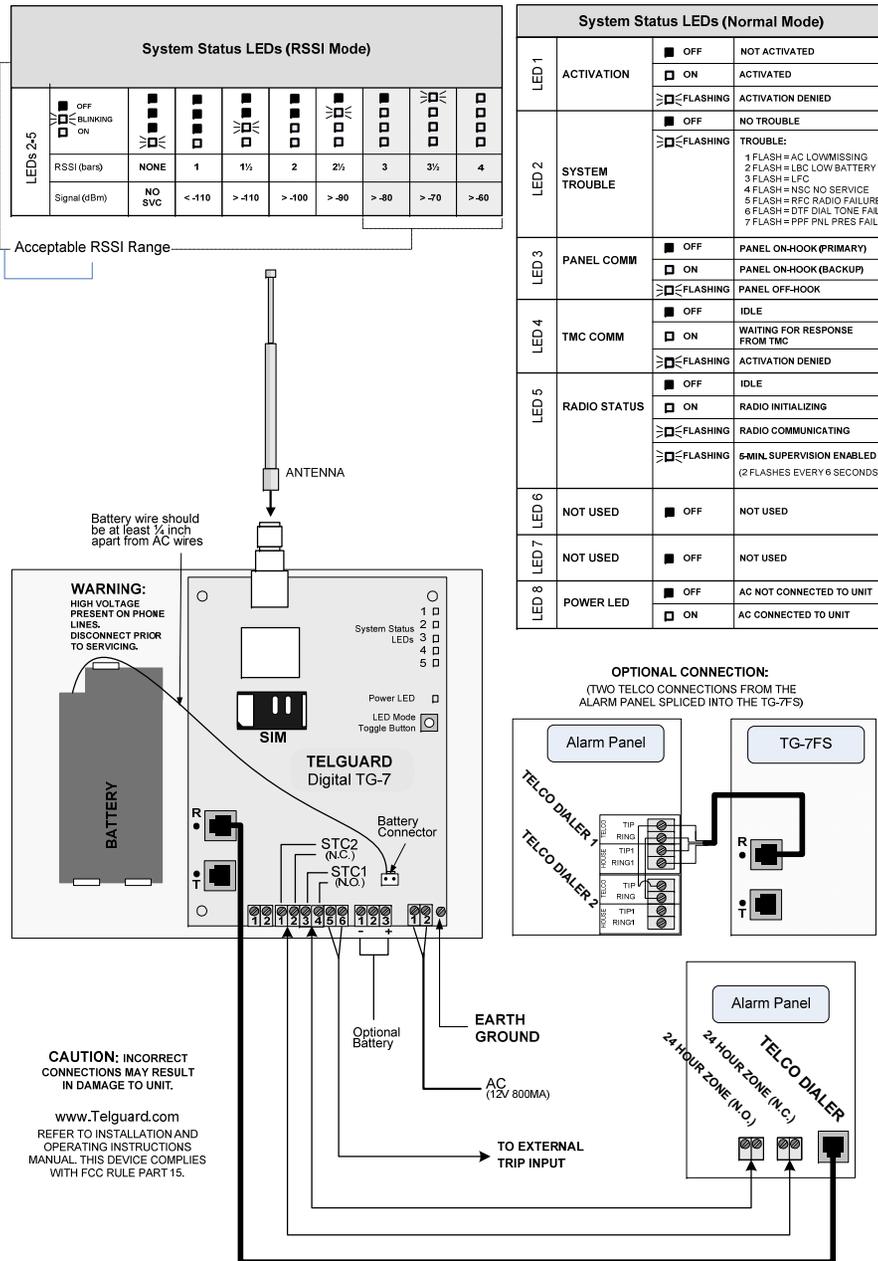
Next, you will wire Telguard's supervisory trip outputs to the alarm panel and then test.

STEP 6: CONNECT TRIP INPUT (OPTIONAL)

Optionally, you can wire an external relay input to the trip input lead and ground, and test.

STEP 7: COMPLETE THE INSTALLATION

Your last step will be to attach earth ground, and permanently mount the unit.



Setup & Programming the Operating Parameters in the Telguard TG-7 models

When the Telguard is received from the factory, registered and is powered up for the first time, it is ready for activation, provided the default settings are what you want. The STC LED # 2 will flash to indicate any failure conditions. The Mode LED # 3 will be on and the STC 1 and STC 2 relays will be tripped. The Telguard can be programmed using a line-mans butt-set connected to T & R Test Points.

TO PROGRAM THE Telguard TG-7

- A. Put the line-mans butt-set in talk mode.
- B. Dial "###", *, 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 |
|----------|--|---------------------|--|
| 831 | Mode of operation | 01 | 1 = Telco Primary/Cellular Backup 2 = Cellular Primary/Telco Backup 3 = Cell Only |
| 833 | C/C Reporting Format | 09 | 01 = 4x2 pulse, 40pps, 2300 hz 02 = 4x2 pulse, 20pps, 2300 hz 03 = 4x2 pulse, 10pps, 1400 hz 04 = 3x1 pulse, 40pps, 2300 hz 05 = 3x1 pulse, 20pps, 2300 hz 06 = 3x1 pulse, 10pps, 1400 hz 07 = Radionics Ile or IIIa ² 08 = Contact ID 09 = Auto Format Detect 11 = SIA2 (300 Baud) 12 = DMP |
| 845 | Manual Battery Test | N/A | Initiates the on-demand battery test |
| 850 | STC1 Trip Output Reporting Normally Open | 04 (LFC only) | Enter the SUM TOTAL of the events that you wish to trip the STC relay by ADDING the corresponding values: 00 = Not Used 01 = AC Failure 02 = Low Battery 04 = LFC 08 = NSC 16 = RFC 32 = DTF 63 = ALL |
| 851 | STC2 Trip Output Reporting Normally Closed | 59 (all except LFC) | Enter the SUM TOTAL of the events that you wish to trip the STC relay by ADDING the corresponding values: 00 = Not Used 01 = AC Failure 02 = Low Battery 04 = LFC 08 = NSC 16 = RFC 32 = DTF 63 = ALL |
| 852 | STC Trip Delay for NSC | 2 (60 sec) | 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 |
| 861 | CFC Number of Events | 0 (disabled) | 0 = disabled 2 = 4 attempts 1 = 2 attempts 3 = 8 attempts |
| 862 | CFC Between Events | 1 (30 sec) | 1 = 30 seconds 3 = 70 seconds 5 = 90 seconds 2 = 60 seconds 4 = 80 seconds 6 = 99 seconds |
| 868 | PPF Delay | 0 (disabled) | 0 = disabled, 1 = 10 seconds, 2=20 seconds, ... 15=150 seconds |
| 872 | AC Failure Delay | 02 (2 hours) | 0-24 hours |
| 873 | Trip Input Reporting | 0 (no report) | 0 = no report 1 = report trip |
| 874 | Trip Input Restoral Reporting | 0 (no report) | 0 = no report 1 = report restoral |
| 875 | Trip Input Swinger Function | 0 (disabled) | 0 = swinger function disabled 1 = swinger function enabled |
| 899 | Factory Default Unit | N/A | Resets all settings to factory defaults |

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 |
|--------------------------|--|
| LEDS 1-5 FLASHING | FAILED ACTIVATION – SIGNAL TOO WEAK |
| LED #1 & LED #4 FLASHING | ACTIVATION ERROR – CALL TECH SUPPORT |
| LED #1 ON | ACTIVATION SUCCESSFUL |
| LED #1 OFF | 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 RSSI BUTTON TWICE**. The activation message **MUST BE RESENT** or the **TELGUARD** will not transmit signals through the cellular network. Repeat step 4 above.