

# TELGUARD DIGITAL TG-1

## QUICK INSTALLATION GUIDE

### INSTALLATION SUMMARY

There are four 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.**

Complete the Activation Form online at [www.Telguard.com](http://www.Telguard.com) or fax the form to Telular Cellular Service prior to leaving for the job site.

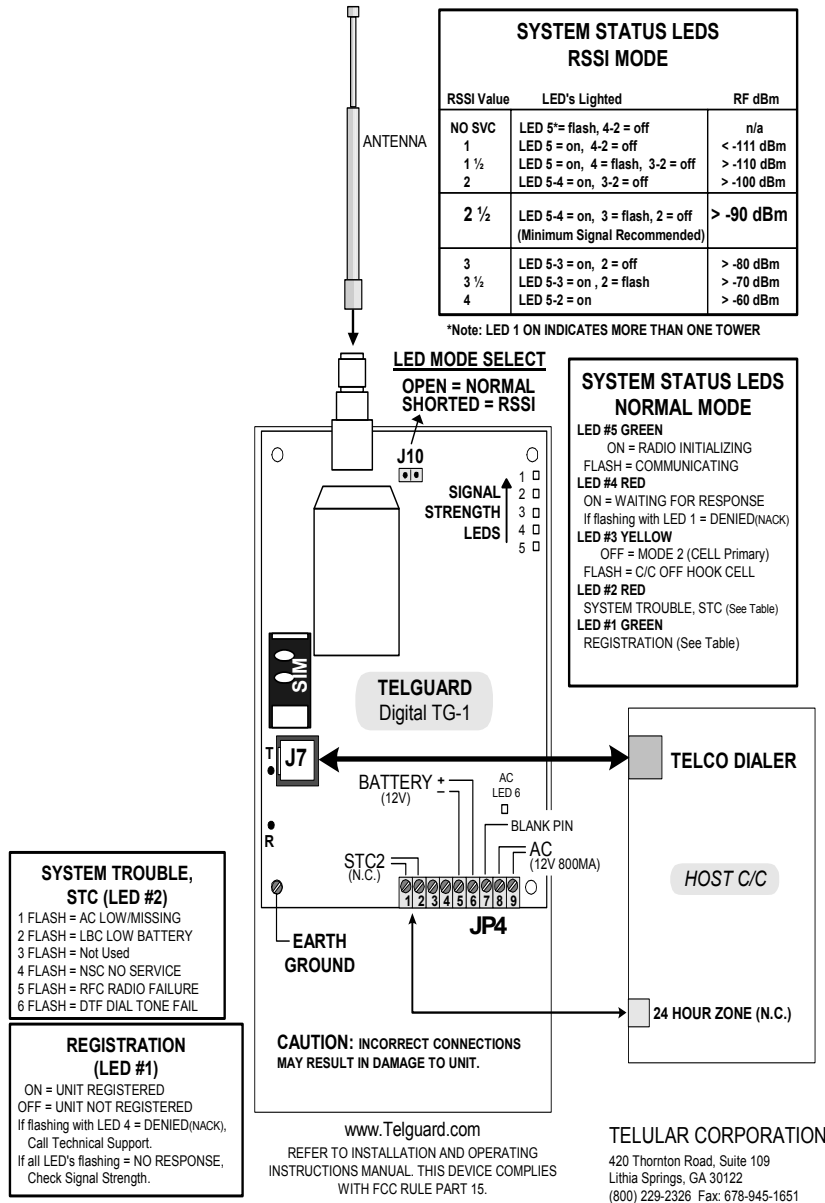
**STEP 1: LOCATE UNIT AND MEASURE SIGNAL STRENGTH (RSSI)**  
First, you will be confirming that Telguard has adequate cellular signal strength. Put J10 across both pins, LEDs will now indicate signal strength, minimum recommended is 2 ½ (2 on solid and the third flashing).

**STEP 2: REGISTER TELGUARD & TRANSMIT C/C ALARMS OVER THE CELLULAR RADIO NETWORK**  
Next, you will be connecting the C/C'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.

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

**STEP 3: CONNECT SUPERVISORY TRIP OUTPUTS**  
Next, you will wire Telguard's supervisory trip output to the C/C and then test.

**STEP 4: COMPLETE THE INSTALLATION**  
Your last step will be to check the jumper setting of J10 (LED mode, open = normal), attach earth ground, and permanently mount the unit.



## Setup & Programming the Operating Parameters in the Telguard

When the Telguard is received from the factory and is powered up for the first time, it is immediately ready for registration, provided the default settings are what you want. The STC LED will flash to indicate any failure conditions. The Mode LED will be on 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 J7 (where the C/C 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
833	C/C Reporting Format	08	08 = Contact ID
851	STC Trip Output Reporting Normally Closed	27	Enter the <b>SUM TOTAL</b> of the events that you wish to trip the STC relay by <b>ADDING</b> the corresponding values: 00 = STC Trip Input Not Used <b>01 = AC Failure</b> 04 = not used <b>16 = RFC</b> <b>02 = Low Battery</b> <b>08 = NSC</b> 31 = All
852	STC Trip Delay for NSC	1	1=30 Seconds    2=60 Seconds
861	CFC Number of Events	0	0 = disabled    2 = 4 attempts 1 = 2 attempts    3 = 8 attempts
862	CFC between Events	1	1 = 30 seconds    3 = 70 seconds    5 = 90 seconds 2 = 60 seconds    4 = 80 seconds    6 = 99 seconds
864	RFC Number of Attempts	2	0=Disabled    3 = 3 Attempts    6 = 6 Attempts 1=1 Attempts    4 = 4 Attempts    7 = 7 Attempts <b>2=2 Attempts</b> 5 = 5 Attempts    8 = 8 Attempts
867	Standby Battery Size	3	0 = No Battery    2= 1.2 ah    4 = 7 ah 1 = 0.8 ah <b>3 = 4 ah</b>
872	AC Failure Delay	02	0-24 hours, <b>default = 2 hours</b>
899	Factory Default Unit		