

Telguard DataBurst TG-100/200/300 Diagram

Quick Install Guide Telguard DataBurst TG-100/200/300

Register the Telguard with TCS prior to departing for the job site.

INSTALLATION SUMMARY

STEP 1: Register the Telguard with Telular Cellular Service (TCS)

- (1) Fax the completed Telular Cellular Service Activation form that was included with the Telguard to (678) 945-1651.

STEP 2: Prepare the Telguard for installation.

- (1) Put C/C account in TEST at Central Station. With C/C connected to RJ31X, trip zones on C/C, and verify test alarms are received at Central Station over telco line.
- (2) Connect antenna and temporarily place the Telguard.
- (3) Apply power to the Telguard.
- (4) Program unit if necessary (see chart on next page).
- (5) Check signal strength by placing J5 jumper over both pins and move the unit/antenna until maximum LEDs are on.
- (6) Disconnect buttset, if used to program, and remove J5 to one pin.

STEP 3: Activate the Telguard.

- (1) Call the Telular IVR (Interactive Voice Response) at 1-888-TELULAR (1-888-835-8527) and follow voice prompts.
- (2) LEDs will change from one solid red LED to normal operating mode when setup packets are received at Message Center. The Telguard is now active and ready to transmit alarm signals.

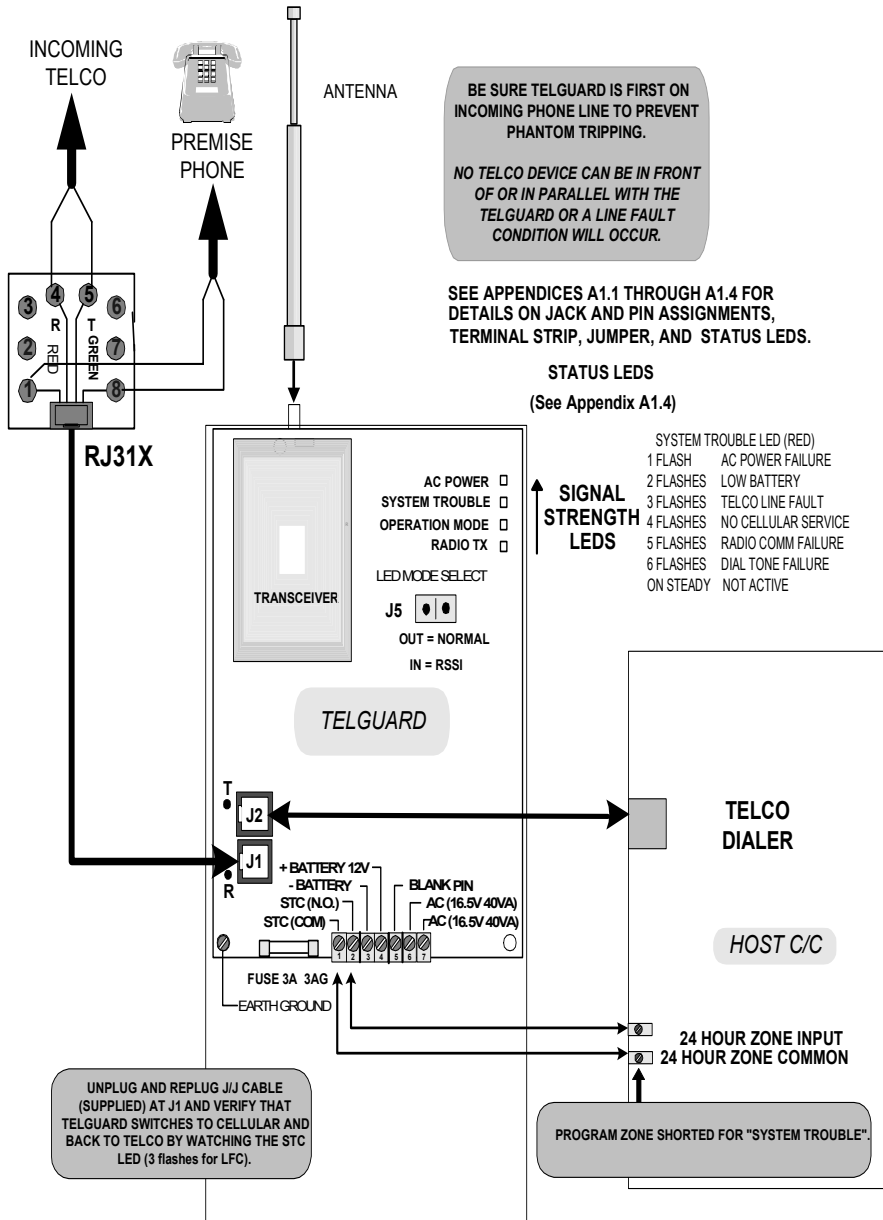
STEP 4: Transmit alarm signals with the Telguard.

- (1) Disconnect C/C from RJ31X and connect C/C to TELGUARD J2. Leave RJ31X disconnected from Jack J1 on Telguard at this time.
- (2) Trip zones on C/C and verify test alarms are received at Central Station over cellular.
- (3) Re-connect RJ31X to TELGUARD Jack J1 and verify that the telco line fault condition on the STC LED has cleared.

STEP 5: Connect Supervisory Trip Output and Complete the Installation.

- (1) Connect supervisory trip output to 24 hr. trouble zone on C/C. (Program zone so that it can be bypassed if necessary)
- (2) Check trip to C/C.
- (3) Attach earth ground and mount Telguard unit.

**Telular Technical Support: 8AM-8PM EST (800) 229-2326
IVR – (888)TELULAR or (888) 835-8527**



Setup & Programming

When the Telguard is received from the factory and is powered up for the first time, it is immediately ready for activation after a 10-second delay, provided the default settings are what you want. The STC LED turns on steady and the STC relay is tripped. If changes to the default values are required, then the Telguard is re-programmed with a plain old telephone set (POTS) connected to J2 where the C/C is usually connected. A standard lineman's buttset (set to TALK and TONE modes) can also be used when connected to the tip (T) and ring (R) test pins on the printed circuit board (PCB) adjacent to J1 and J2. Switch buttset to talk and power up the Telguard. The Telguard will generate a tone enter ## within 3 seconds, and the Telguard will issue 3 tones indicating programming mode. Programming Data Sheet below explains the programming options and memory locations.

NOTE: *The telephone line input to J1 and panel to J2 must be disconnected prior to programming and the antenna must be connected. The Telguard will transmit the programming setup data to the communication center automatically when you activate the Telguard using the Telular IVR.*

Command Key Sequences For POTS Re-Programming

Key Sequence	Description
memorylocation, value	Selects memory-location and stores data
*	Exits and stores programming
The syntax for programming a specific memory location is as follows: memorylocation (2 digits), value.	

For example, to re-program the Telguard to transmit over the "A" carrier, the installer would power down the Telguard; connect the buttset to T and R test pins, and then power up the unit. After approximately 5 seconds, a tone will be sounded on the buttset. Enter ##; then 3 tones will be heard indicating entry into programming mode. After entering **32**, two tones will be sounded on the buttset indicating entry into a valid memory location (in this case, location 32). After the digit **1** is entered, four tones will be sounded on the buttset indicating a valid entry has been selected. If an invalid memory location or data value is entered, a long low tone will be sounded before the normal tones. *To re-enter a correct value, the memory location must be entered again and then a correct value for that memory location.*

NOTE: To reset Telguard programming to factory default values, program memory location 99 with 12345 and the Telguard will reload factory default data to the EEPROM (this takes 10 seconds or less). The Telguard will now be ready to activate with factory default values or to re-program again, just as it was received from the factory.

To exit programming mode, press *. Two tones will be sounded on the buttset. Disconnect the buttset.

MEMORY LOCATION	FIELD	DEFAULT VALUE	SETTING
32	Cellular System	2	1=Cellular System A 2=Cellular System B
33	C/C Reporting Format	8	1=4 x 2 Pulse 40 PPS 2300 Ack 2=4 x 2 Pulse 20 PPS 2300 Ack 3=4 x 2 Pulse 10 PPS 1400 Ack 4=3 x 1 Pulse 40 PPS 2300 Ack 5=3 x 1 Pulse 20 PPS 2300 Ack 6=3 x 1 Pulse 10 PPS 1400 Ack 7=Radionics Modem IIE or IIIA ² (Models TG-200M or TG-300M only) 8=Contact ID (Ademco)
51	STC Trip Output Reporting	31	Enter the SUM TOTAL of the events that you wish to trip the STC relay by ADDING the corresponding values: (ex: 01+02+08+16=27) Note that a LFC will not trip the STC relay. Program 31 (27+04) for all supervised features to trip the STC relay. 00 = STC Trip Input Not Used 01 = AC Failure 04 = LFC 16 = RFC 02 = Low Battery 08 = NSC
52	LFC and NSC Trip Delay	2	1=30 Seconds 2=60 Seconds (STC trip)
61	CFC Attempts	0	0=Disabled 1=2 Attempts 2=4 Attempts 3=8 Attempts
62	CFC Delay	1	1=30 Seconds 2=60 Seconds (Seconds Between Events)
67	Battery Size	4	4=7 Amp Hour 5=14 Amp Hour (standard lead-acid battery)
72	STC Trip Delay for ACFC	02	0-24 Hours, 02 = 2 Hours
99	Factory Default	12345	Returns Telguard to original factory settings.