## Programming Codes

| Mem Loc. | Field | Setting (default indicated in **bold**) |
|---|---|---|
| 851 | STC Relay Output Reporting Normally Closed | Enter the **SUM TOTAL** of the events that you wish to trip the STC relay by **ADDING** the corresponding values:<br>00 = STC Relay Output Not Used<br>01 = LPF          08 = NSC<br>16 = RFC          32 = DTF<br>**57 = ALL** |
| 852 | STC Trip Delay for NSC | 1=30 seconds,     **2=60 seconds**<br>3=3 minutes       4=10 minutes<br>5=20 minutes      6=30 minutes<br>7=45 minutes      8=60 minutes<br>9=24 hours |
| 858 | STC History | 0 = terminate STC history display mode<br>1 = start STC history display mode<br>2 = clear STC history |
| 868 | PPF Delay Timer | **0 = disabled**, 1 = 10 seconds, 2 = 20 seconds, ...<br>15 = 150 seconds |
| 873 | Trip Input Reporting | **0 = no report**<br>1 = report trip |
| 874 | Trip Input Restoral Reporting | **0 = no report**<br>1 = report restoral |
| 875 | Trip Input Swinger Function | **0 = swinger function disabled**<br>1 = swinger function enabled |
| 899 | Factory Default Unit | |

### To Program the TG-1 Express:

1. After the TG-1 Express is initialized, connect a POTS phone to the RJ-45 jack or lineman's butt set to the tip and ring turrets.
2. Take the POTS phone off hook or put the butt set in talk mode. You should hear dial tone.
3. Dial ###*, and you should hear (2) beeps.
4. Dial #*, and you should hear (2) beeps.
5. Dial the POTS command number 8XX; you should hear one beep.
6. Enter the command data; you should hear (2) beeps.
7. After the last POTS command, dial * and listen for (2) beeps. Then hang up to terminate the POTS programming session.

# TG-1 Express Quick Install Guide



| | |
|---|---|
| TRIP IN, GND: | Connect to external relay or sensor (optional) |
| PWR, GND: | Connect to panel auxiliary power and ground |
| STC: | Connect to 24HR Zone on Panel |
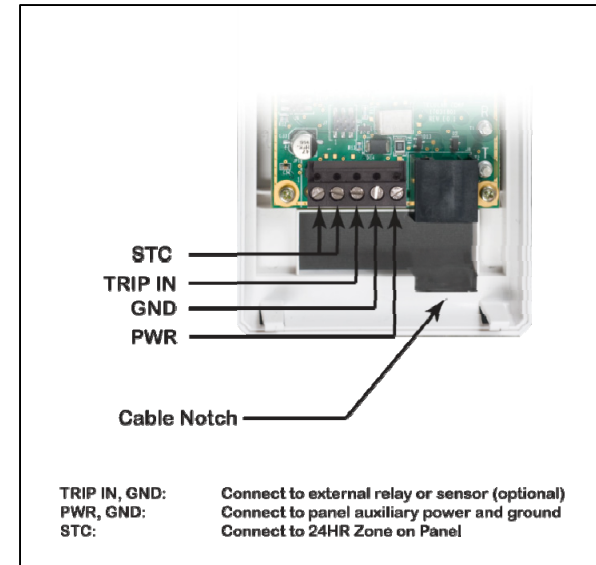
**1**  **Register for Telguard Service**

There are two ways to register the Telguard unit:

1. register online at www.telguardonline.com,
2. submit the online registration form at www.telguard.com,

**2**  **Connect Dialer and Power to the TG-1 Express**

Connect the alarm panel's dialer to the RJ-45 jack on the TG-1 Express. If using the Single Line Interface Cable (SLIC) for power, connect the RJ-45 cable's orange wire to the alarm panel's ground and its blue wire to the panel's auxiliary power. If using the terminal block, connect pins 4 and 5 to the panel's ground and power, respectively.

**Continued...**

**3** ## Connect the Antenna and Place the Unit

Connect the antenna to the antenna port, and press the RSSI button on the side of the unit to put the LEDs into RSSI display mode. When you have found a location that provides 2 ½ bars or more (LEDs 4 and 5 solid, and LED 3 flashing or solid), install the mounting screws and attach the TG-1 Express to the mounting screws. Press the RSSI button again to return the LEDs to normal display mode.

**4** ## Activate the TG-1 Express

The last step is to trigger an alarm from the panel to activate the TG-1 Express. Note that the first alarm will activate the TG-1 Express with the Telular Communication Center, and will **not** be sent to the central station.

## Optional Steps

**A** ## Configure and Connect the Supervisory Trip Output

If required, configure the relay output using a butt set or phone set, referencing the programming instructions on the back of this guide. By default, the relay will trip for any system trouble condition detected on the TG-1 Express. Connect the relay output (pins 1 and 2 on the terminal block) to a 24 hour zone on the alarm panel.

**B** ## Configure and Connect the Trip Input

The trip input may be configured to provide supervision independent of the alarm panel, for applications such as external sensors and tamper protection. Configure the trip and restoral reporting (they are disabled by default) and the swinger setting using a butt set, and connect the trip input and ground terminals to the external sensor.

## LED Indicators

| LED Symbol | Color | Showing | Indication |
|---|---|---|---|
| LED #1 Activation | Green | Solid On | Unit is activated at the message center and enabled |
| | | Off | Unit not activated at the message center |
| | | Flashing | Unit is activated but disabled |
| LED #2 STC (System Trouble Condition) | Red | Off | *ALL OK* |
| | | 1 Flash | STC – Low Power Failure |
| | | 2, 3 Flashes | N/A |
| | | 4 Flashes | STC – No Service Condition |
| | | 5 Flashes | STC – Radio Failure Condition |
| | | 6 Flashes | STC – Dial Tone Failure |
| | | 7 Flashes | STC – Panel Presence Failure |
| LED #3 MODE | Yellow | Flashing | Telguard TG-1 Express communicating with alarm panel |
| | | Off | Idle state |
| LED #4 Acknow-ledgement | Red | **Flashing** | **When flashing with LED #1 unit has failed activation. CALL TELGUARD TECHNICAL SUPPORT** |
| | | Off | TG-1 Express initialized |
| | | On | TG-1 Express is waiting for response from Telular Communication Center |
| LED #5 Radio | Green | Short Flash (1 sec) | Radio receiving message |
| | | Long Flash (2 sec) | Radio sending message |
| LED #7 Trip Input | Green | Solid On | Trip input activated |
| | | Off | Trip input not active or restored |
| LED #8 Power | Red | Solid On | Power connected to unit |

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