TELGUARD

System Status LEDs (RSSI Mode)

LEDs 2-5	■ OFF / ☐ BLINKING / ■ ON							
RSSI (bars)	NONE	1	1½	2	2½	3	3½	4
Signal (dBm)	NO SVC	<-110	>-110	>-100	>-90	>-80	>-70	>-60

Acceptable RSSI Range

INCOMING TELCO

RJ31X

WARNING:
HIGH VOLTAGE PRESENT ON PHONE LINES. DISCONNECT PRIOR TO SERVICING.

Battery wire should be at least ¼ inch apart from AC wires

ANTENNA

SIM

TELGUARD Digital TG-7

System Status LEDs
1 2 3 4 5 6 7 8

Power LED

LED Mode Toggle Button

BATTERY

R

STC2 (N.C.)
STC1 (N.O.)

T

Battery Connector

CAUTION: INCORRECT CONNECTIONS MAY RESULT IN DAMAGE TO UNIT.

www.Telguard.com
REFER TO INSTALLATION AND OPERATING INSTRUCTIONS MANUAL. THIS DEVICE COMPLIES WITH FCC RULE PART 15.

Optional Battery

EARTH GROUND

AC (12V 800MA)

TO EXTERNAL TRIP INPUT

Alarm Panel

TELCO DIALER

24 HOUR ZONE (N.C.)
24 HOUR ZONE (N.O.)

System Status LEDs (Normal Mode)

LED 1	ACTIVATION	■ OFF	NOT ACTIVATED
		☐ ON	ACTIVATED
		☐ FLASHING	ACTIVATION DENIED
LED 2	SYSTEM TROUBLE	■ OFF	NO TROUBLE
		☐ FLASHING	TROUBLE:
			1 FLASH = AC LOW/MISSING
			2 FLASH = LBC LOW BATTERY
			3 FLASH = LFC LINE FAULT
			4 FLASH = NSC NO SERVICE
			5 FLASH = RFC RADIO FAILURE
			6 FLASH = DTF DIAL TONE FAIL
			7 FLASH = PPF PNL PRES FAIL
LED 3	PANEL COMM	■ OFF	PANEL ON-HOOK (PRIMARY)
		☐ ON	PANEL ON-HOOK (BACKUP)
		☐ FLASHING	PANEL OFF-HOOK
LED 4	TCC COMM	■ OFF	IDLE
		☐ ON	WAITING FOR RESPONSE FROM TCC
		☐ FLASHING	ACTIVATION DENIED
LED 5	RADIO STATUS	■ OFF	IDLE
		☐ ON	RADIO INITIALIZING
		☐ FLASHING	RADIO COMMUNICATING
		☐ FLASHING	LINK SUPERVISION ENABLED (2 FLASHES EVERY 6 SECONDS)
LED 6	NOT USED	■ OFF	NOT USED
LED 7	TRIP INPUT	■ OFF	NOT ACTIVATED OR RESTORED
		☐ ON	ACTIVATED
LED 8	POWER LED	■ OFF	AC NOT CONNECTED TO UNIT
		☐ ON	AC CONNECTED TO UNIT

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

The registration form may be completed online through our 24/7 dealer portal www.telguard.com.

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

With the unit powered up, press the LED/RSSI Mode Toggle button one time, LEDs will now indicate signal strength. Minimum recommended is 2 (2 on solid). Position the Telguard in a location where minimum signal strength is satisfied. Press the LED/RSSI Mode Toggle button a second time to exit RSSI mode.

STEP 3: TRANSMIT PANEL ALARMS OVER THE TELCO CONNECTION

Verify the alarm panel is programmed properly by transmitting a signal over the telco connection. 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

Connect the alarm panel's digital dialer output to the Telguard and verify the alarm signals can be reliably sent through Telguard over the cellular network 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 becomes illuminated.

(NOTE: THE FIRST ALARM WILL ACTIVATE THE UNIT AT THE TELGUARD 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

Wire the Telguard's supervisory trip outputs to the alarm panel and then test.
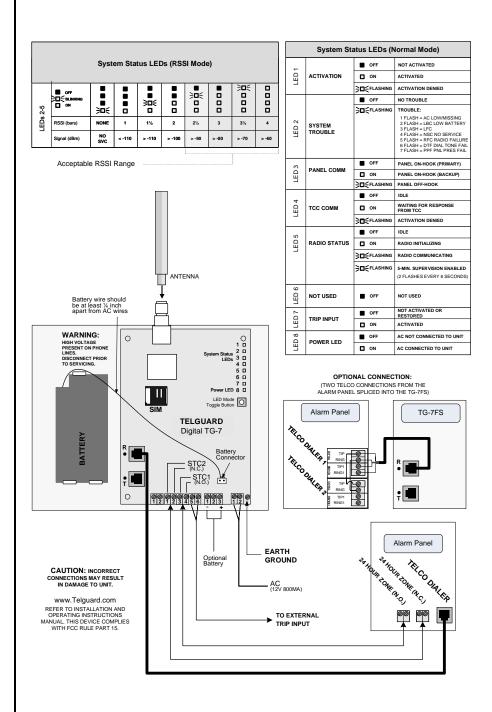
STEP 6: CONNECT TRIP INPUT (OPTIONAL)

Wire an external relay to the trip input lead and ground, and test.

STEP 7: COMPLETE THE INSTALLATION

Attach earth ground to the Telguard, reconnect Telco, and permanently mount the unit.

SECURITY SIGNALING

UL LISTED

System Status LEDs (RSSI Mode)

LEDs 2-5	■ OFF / ⊡ BLINKING / □ ON							
RSSI (bars)	NONE	1	1½	2	2½	3	3½	4
Signal (dBm)	NO SVC	< -110	> -110	> -100	> -90	> -80	> -70	> -60

Acceptable RSSI Range

ANTENNA

Battery wire should be at least ¼ inch apart from AC wires

WARNING: HIGH VOLTAGE PRESENT ON PHONE LINES. DISCONNECT PRIOR TO SERVICING.

System Status LEDs
1
2
3
4
5
6
7
Power LED 8

LED Mode Toggle Button

SIM

TELGUARD Digital TG-7

BATTERY

R
T

Battery Connector

STC2 (N.C.)
STC1 (N.O.)

1 2 / 1 2 3 4 5 6 / 1 2 3 / 1 2

CAUTION: INCORRECT CONNECTIONS MAY RESULT IN DAMAGE TO UNIT.

www.Telguard.com
REFER TO INSTALLATION AND OPERATING INSTRUCTIONS MANUAL. THIS DEVICE COMPLIES WITH FCC RULE PART 15.

Optional Battery

EARTH GROUND

AC (12V 800MA)

TO EXTERNAL TRIP INPUT

System Status LEDs (Normal Mode)

LED 1	ACTIVATION	■ OFF	NOT ACTIVATED
		□ ON	ACTIVATED
		⊡ FLASHING	ACTIVATION DENIED
LED 2	SYSTEM TROUBLE	■ OFF	NO TROUBLE
		⊡ FLASHING	TROUBLE: 1 FLASH = AC LOW/MISSING / 2 FLASH = LBC LOW BATTERY / 3 FLASH = LFC / 4 FLASH = NSC NO SERVICE / 5 FLASH = RFC RADIO FAILURE / 6 FLASH = DTF DIAL TONE FAIL / 7 FLASH = PPF PNL PRES FAIL
LED 3	PANEL COMM	■ OFF	PANEL ON-HOOK (PRIMARY)
		□ ON	PANEL ON-HOOK (BACKUP)
		⊡ FLASHING	PANEL OFF-HOOK
LED 4	TCC COMM	■ OFF	IDLE
		□ ON	WAITING FOR RESPONSE FROM TCC
		⊡ FLASHING	ACTIVATION DENIED
LED 5	RADIO STATUS	■ OFF	IDLE
		□ ON	RADIO INITIALIZING
		⊡ FLASHING	RADIO COMMUNICATING
		⊡ FLASHING	5-MIN. SUPERVISION ENABLED (2 FLASHES EVERY 6 SECONDS)
LED 6	NOT USED	■ OFF	NOT USED
LED 7	TRIP INPUT	■ OFF	NOT ACTIVATED OR RESTORED
		□ ON	ACTIVATED
LED 8	POWER LED	■ OFF	AC NOT CONNECTED TO UNIT
		□ ON	AC CONNECTED TO UNIT

OPTIONAL CONNECTION:
(TWO TELCO CONNECTIONS FROM THE ALARM PANEL SPLICED INTO THE TG-7FS)

Alarm Panel   TG-7FS

TELCO DIALER 1
TELCO DIALER 2

TIP / RING / TIP1 / RING1
TIP / RING / TIP1 / RING1

R
T

Alarm Panel

24 HOUR ZONE (N.C.)
24 HOUR ZONE (N.O.)
TELCO DIALER

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.**

STEP 1: REGISTER FOR CELLULAR SERVICE

The registration form may be completed online through our 24/7 dealer portal www.telguard.com**.**

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

With the unit powered on, press the LED/RSSI Mode Toggle button one time, LEDs will now indicate signal strength. Minimum recommended is 2 ½ (2 on solid and 1 flashing). Position the Telguard in a location where minimum signal strength is satisfied. 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: ACTIVATE & TRANSMIT PANEL ALARMS OVER THE CELLULAR RADIO NETWORK

Make sure to select Sole Path communication for your Telguard during the registration process. LED 3 will be off when idle, if successful. 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 TELGUARD 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

Wire Telguard's supervisory trip outputs to the alarm panel and test.

STEP 6: CONNECT TRIP INPUT (OPTIONAL)

Wire an external relay input to the trip input lead and ground, and test.

STEP 7: COMPLETE THE INSTALLATION

Attach earth ground to the Telguard, and permanently mount the unit.

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