Quick Install Guide

Telguard TG-7FP Universal Fire Communicator

TELGUARD | **AMETEK®**

Installation Summary

IF YOU DO NOT FOLLOW THESE SEVEN STEPS IN THE ORDER AND MANNER PRESCRIBED, YOU MAY NOT COMPLETE THE INSTALLATION IN THE TIME ALLOCATED.

STEP 1: REGISTER FOR TELGUARD SERVICE
Registration controls how the unit will be configured and should be completed in the dealer portal at www.telguard.com

STEP 2: LOCATE UNIT AND INSTALL
Identify a location for the TG-7FP and mount it. To find a location with good signal strength, connect the antenna, power up, and press one of the RSSI buttons to toggle the LED display to indicate signal strength (use provided tool or unbent paper clip if using side button). **Minimum recommended reading is 2½.**

> NOTE: Outdoor antennas and accessories to extend the antenna connection are available to improve signal strength.

STEP 3: PROGRAM, ACTIVATE, AND TRANSMIT ALARMS
Verify the panel is programmed to transmit a signal as it would over a **Telco connection. Connect the panel's DACT output to the RJ Jack** on the TG-7FP. Trigger two signals from the alarm panel to activate the TG-7FP. LED 1 becomes illuminated when the TG-7FP activates.

> NOTE: The first alarm will activate the TG-7FP and will not be delivered to the central station. All signals after the unit is active will be sent to the central station.

STEP 4: CONNECT SUPERVISORY TRIP OUTPUTS
Wire the supervisory trip outputs (STC) to the alarm panel and test.

STEP 5: CONNECT TRIP INPUT (OPTIONAL)
Wire an external relay to the trip input lead and ground, and test.

STEP 6: CONNECT TAMPER (OPTIONAL-FIRE/REQUIRED-BURG)
Wire the tamper end points on the TG-7FP to a supervising zone on the panel and test. Generally not required for fire-only systems.
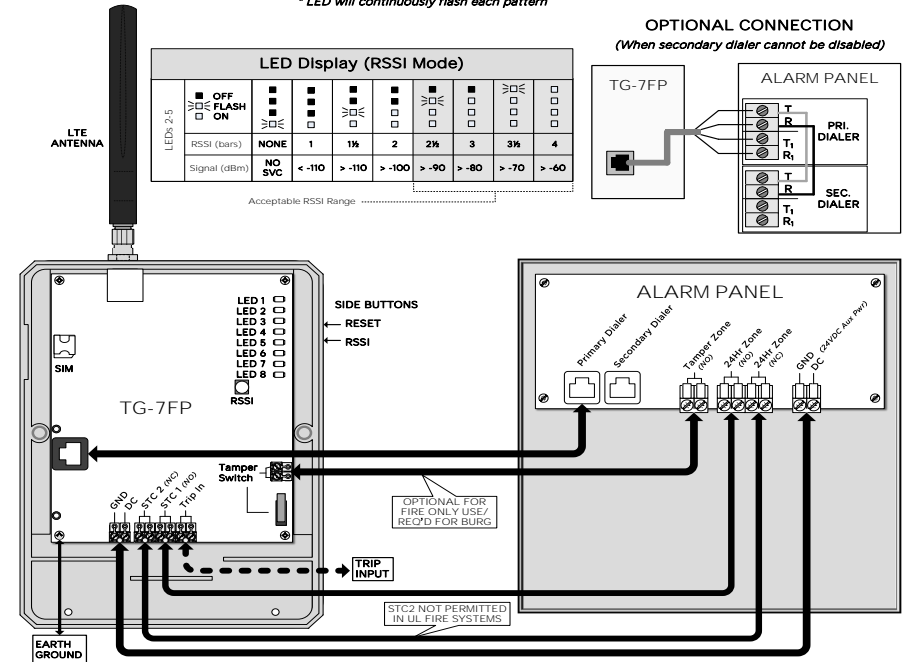
STEP 7: COMPLETE INSTALLATION
Verify signal delivery to central station, connect earth ground, and secure cover on TG-7FP.

> For complete instructions, download the *Installation & Operation Guide* at telguard.com/tg-7fp (part 56052401 – Rev. A).

LED	Color	Showing	Indication
LED 1 Activation	Green	Solid On	Unit is activated at the message center and enabled
		Off	Unit not activated at message center (and disabled)
		Flash*	Unit is disabled
LED 2 STC	Red	Off	ALL OK
		1 Flash*	System Trouble Condition – LPF Low Power Failure
		4 Flashes*	System Trouble Condition – NSC No Service
		5 Flashes*	System Trouble Condition – RFC Radio Failure
		6 Flashes*	System Trouble Condition – DTF Dial Tone Failure
		7 Flashes*	System Trouble Condition – PPF Panel Presence Fail
LED 3	Yellow	Off	Alarm panel idle (Telguard on-hook)
		Flash* (1 sec)	Alarm panel off-hook to transmit signals over cellular
LED 4 Ack	Red	Solid On	TG-7FP waiting for acknowledgement from the TCC
		Off	Idle state
		Flash*	When flashing with LED 1, unit has failed activation
LED 5 Radio	Green	Off	TG-7FP initialized
		On	TG-7FP initializing with cellular network
		Flash (1-2 sec)	Radio sending/receiving message
		Flash (2x/6 sec)	Link Supervision Mode
LED 7 Trip Input	Green	Solid On	Trip Input activated
		Off	Trip Input not activated or is restored
LED 8	Red	Solid On	DC power connected to unit

* LED will continuously flash each pattern

OPTIONAL CONNECTION
(When secondary dialer cannot be disabled)

LED Display (RSSI Mode)

LEDs 2-5		OFF FLASH 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 ----------

LTE ANTENNA

TG-7FP

LED 1
LED 2
LED 3
LED 4
LED 5
LED 6
LED 7
LED 8

SIDE BUTTONS
← RESET
← RSSI

RSSI

SIM

TG-7FP

GND DC STC 2 (NC) STC 1 (NO) Trip In

Tamper Switch

EARTH GROUND

TRIP INPUT

ALARM PANEL
T R T₁ R₁ — PRI. DIALER
T R T₁ R₁ — SEC. DIALER

ALARM PANEL
Primary Dialer Secondary Dialer Tamper Zone (NO) 24Hr Zone (NO) 24Hr Zone (NO) GND (24VDC Aux Pwr) DC (24VDC Aux Pwr)

OPTIONAL FOR FIRE ONLY USE/ REQ'D FOR BURG

STC2 NOT PERMITTED IN UL FIRE SYSTEMS

CAUTION: Incorrect connections can cause damage to the device.
ATTENTION: Des connexions incorrectes peuvent endommager l'appareil.

SECURITY SIGNALING
c UL us LISTED

ULC NOTE: For compliance in Canada, the radio frequency warning label (supplied) must be affixed to the outside of the cover.