



TELGUARD

**TG-1**  
EXPRESS

CELLULAR ALARM  
COMMUNICATOR

🏠 PRIMARY RESIDENTIAL

PRODUCT FEATURES

- ▶ Supports virtually all alarm formats using dial capture for universal panel compatibility.
- ▶ Over 80% smaller than similar cellular communicators.
- ▶ Reduces install time by exclusively using the power and backup battery from the panel.
- ▶ Power and dial capture over a single cable for greater flexibility.



Telguard model TG-1 Express provides the ideal solution for residential applications. The TG-1 Express transmits full data from security and fire systems to central stations using a nationwide digital cellular network.

Today's modern family commonly chooses to use their cell phone or VoIP service instead of paying for a traditional phone line. This growing trend makes what was once the most common form of communication for the security system unavailable in many new installations. When there is no telephone service available from your customer's home, Telguard model TG-1 Express ensures that critical alarm information reaches the central station.

Telguard technology allows full data reporting for all alarm messages. Superior building penetration is achieved by transmitting at the maximum allowable power.

**Single Line Interface Cable**

Sometimes the best place to install a cellular communicator isn't at the panel. In these instances, Telular offers a Single Line Interface Cable (SLIC) option. The SLIC allows an installer to run both the power and telephony to the TG-1 Express over a single CAT5 cable similar to how computer networks use Power-over-Ethernet to provide power to networking equipment.

**Telular Cellular Service**

Telular Cellular Service provides nationwide digital cellular network coverage for all Telguard units. Telular's Communication Center is UL listed and provides seamless connectivity between the alarm panel, the Telguard family of products and the central station. Telular Technical Support provides a single point of contact for both cellular service and Telguard product questions.

**Advanced Reliability**

- Available trip input for reporting trouble conditions independent of the alarm panel.
- Supervisory trip output for reporting problem conditions from the TG-1 Express to the panel.
- Automatic self-tests confirm the alarm path between the panel, the cellular network, and the central station.
- Customer friendly LEDs display operating mode and signal strength. 128 bit AES (Advanced Encryption Standard) encrypted alarm signals ensure authentication and security.



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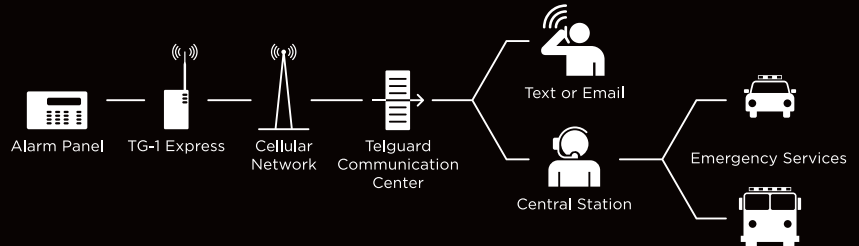
Power

Nominal Power Consumption:

25 mA @ 12V

Transmit Power Consumption:

200 mA @ 12V



Radio Transceiver

- Dual band cellular and PCS.
- GSM 850MHz: Class 4 (2 watts).
- GSM 1900MHz: Class 1 (1 watt).
- Antenna: dipole with SMA connector.
- FCC part 15, 22, & 24 compliant.

Physical Details

Size (without antenna):

5.6" H x 2.9" W x 1.3" D"

(14.22cm H x 7.37cm W x 3.30cm D)

Shipping Weight:

4.8 oz (136g)

Operating Environment:

0°C to +50°C; Up to 95% humidity (non-condensing)

Standard Features

- Full data reporting using virtually any alarm format, including Contact ID, SIA, SIA2, DMP, Modem IIe/IIIa2 and Pulse formats.
- Programmable automatic self-test (daily, weekly or monthly).
- Small, attractive enclosure.
- Available trip input.
- Programmable supervisory trip output (STC) relay.

Consumes Less Power than a Keypad

By utilizing the panel for power, the TG-1 Express eliminates the need for additional AC power or a backup battery. The TG-1 Express consumes less power than a standard keypad (~25 mA @ 12V), thereby simplifying system design and load calculations.

Featuring Remote Alarm Control Services

Designed to allow consumers to remotely arm, disarm and receive system notifications at an affordable price, Telguard Interactive is now available for the iPhone, Android and BlackBerry platforms. The free app comes ready to activate with the TG-1 Express, making it compatible with virtually all residential alarm panels.



**UL Residential Listings**  
 985 - Household fire warning systems  
 1023 - Household burglar alarm systems

