TELGUARD

TG-1
EXPRESS

CELLULAR ALARM COMMUNICATOR FOR 3G/4G NETWORKS

🏠 **PRIMARY RESIDENTIAL**

PRODUCT FEATURES

- Supports virtually all alarm formats using dial capture for universal panel compatibility.

- Features RMR increasing two-way voice support and Telguard Interactive.

- 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.

- Provides RMR protection by leveraging technology that operates on 3G/4G networks.

- Falls back to 2G (GSM) if a 3G/4G network isn't available.

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.

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.

Telguard Cellular Service

Telguard Cellular Service provides nationwide digital cellular network coverage for all Telguard units. Telguard's Communication Center is UL compliant and provides seamless connectivity between the alarm panel, the Telguard family of products and the central station. Telguard 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**:
  45 mA @ 12V
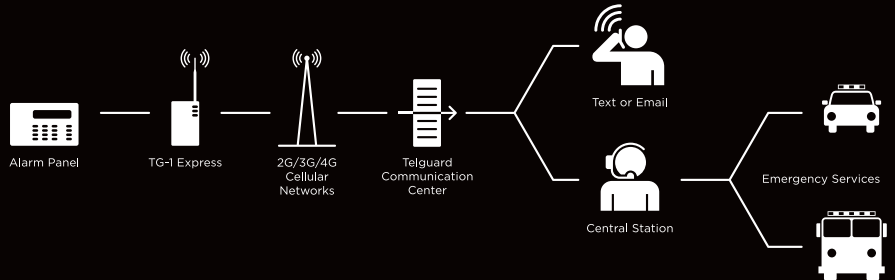- **Transmit Power Consumption:**
  200 mA @ 12V

Radio Transceiver

- 3G Cellular Radio.
- GSM 850/1900MHz.
- UMTS WCDMA FDD 850/1900MHz.
- 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, SIA2, DMP, Modem IIe/IIIa[2] and Pulse formats.
- Programmable automatic self-test (daily, weekly or monthly).
- Small, attractive enclosure.
- Available trip input.
- Programmable supervisory trip output (STC) relay.

Alarm Panel → TG-1 Express → 2G/3G/4G Cellular Networks → Telguard Communication Center → Text or Email / Central Station → Emergency Services
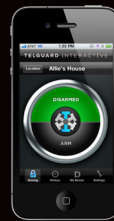
Consumes Less Power than a Keypad
By utilizing the panel for power, the TG-1 Express eliminates the need for additional AC power or a backup battery. The TG-1 Express consumes less power than a standard keypad (˜25 mA @ 12V), thereby simplifying system design and load calculations.

Listen-In and Two-Way Voice Support
Telguard now offers support for listen-in and two-way voice verification directly over cellular. The TG-1 Express provides a robust, UL listed system for passing voice and alarm data reliably to the central station.

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.

SECURITY SIGNALING

ULC LISTED **UL LISTED**

UL Residential Listings
S545 • Residential fire
985 • Household fire warning systems
1023 • Household burglar alarm systems
C1023 • Residential burglar alarm systems

* For the most current product specifications & UL Listings visit www.Telguard.com.

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L'Association canadienne de la sécurité

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CENTRAL STATION ALARM ASSOCIATION

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