


Telguard[®] Digital with full data

Small Business, Office, and Residential Alarm Communicator



Telguard Digital[®] Model TG-4
 Backup or Primary
 Alarm Communication Solution

Digital Cellular Security for Business and Residential Applications

Telular's Telguard Digital model TG-4 transmits alarm signals over the digital GSM cellular network when the telephone line has been disrupted, compromised, or if no wireline service is used. Telguard Digital model TG-4 provides the ideal solution for light commercial, small business and residential applications. This advanced generation product transmits full data from security and fire systems to central stations using the nationwide GSM digital cellular network.

Telguard Digital technology allows full data reporting for unlimited point-to-point signal details, and maximum allowable transmitting power for superior in-building penetration. Telguard Digital products are easy to install, economical, and UL Listed.

Telguard Digital Model TG-4 Includes:

- UL Commercial Supplemental Listing for commercial telephone line backup applications
- UL Residential Primary Listing for combined Burglary and Fire applications
- Auto format detection for a true plug-and-play set up
- Security supervision with automatic self-test and system trouble outputs
- Advanced encryption technology for secure communications
- Easy, fast, and economical activation with Telular Cellular Service

The Telguard® Digital Cellular Alarm Solution

Systems Specifications

Standard Features

- Full Data Reporting
- Automatic Self Test (Daily, Weekly or Monthly)
- Power supply with battery harness
- Attractive Plastic Enclosure
- 2 Programmable supervisory trip outputs
- Alarm format support for SIA2, Contact ID, Pulse (3x1, 4x2 @ 1400Hz & 2300Hz)
- Telephone Line Monitor build-in

Power

- Transmit power 1.0W-2.0W (maximum allowable)
- Current consumption 66mA stand-by and 400mA transmission
- Transformer supplied: 12VAC, 800mA UL Listed plug-in

Radio Transceiver

- Dual Band Cellular and PCS
GSM 850MHz: Class 4 (2 watts)
GSM 1900MHz: Class 1 (1 watt)
- Antenna 9" dipole with 2dBi gain
- FCC Part 15, 22, 24 & 68 compliant

Physical Details

- TG-4: 9½" H x 4½" W x 1¼" D
Shipping Weight 5 lbs. (with transformer)
- FCC Registration: US: MTFAL03BTG4G0001
- Operating Environment: 0°C to +50°C; up to 95% humidity (non-condensing).

Accessories

- ACD-35 35/50/100 feet of low loss high performance cable
- ACD-50
- ACD-100
- HGD-0 High Gain Directional Antenna

UL Residential Listings

- 985 - Household Fire Warning Systems
- 1023 - Household Burglar Alarm Systems

UL Commercial Burglary Listings

- UL Commercial Supplemental Listing

High Security Features

- 2 Programmable relay outputs are available for tripping host Controller Communicator when trouble conditions occur.
- Specific Automatic Self-Test via cellular to the central station ensures the system is operating correctly.
- Six diagnostic LED's for unit functionality in operational mode and signal strength.
- 128 bit AES (Advanced Encryption Standard) alarm signals ensure authentication and security.

Switching Transmission Paths

Telguard Digital TG-4 with its built in Telephone Line Monitor is designed to be either the primary or back-up alarm communicator. In back-up mode, when communication is not available over the telephone line, Telguard Digital switches the host alarm system's communication to the digital cellular network. All alarms are then transmitted via secure digital cellular exactly as if the signal had been conveyed over the telephone line. In primary mode, Telguard Digital will be the primary communication path.

Telular Cellular Service

Telular Cellular Service provides nationwide GSM digital cellular network coverage for all Telguard Digital units. Telular's Communication Center is UL Listed and provides seamless connectivity between the GSM digital cellular network and the central station. Telular Technical Support provides a single point of contact for both Telular Cellular Service and Telguard Digital for a complete cellular security solution.

Telguard Digital TG-4 constantly monitors the phone line to provide a secure wireless solution for transmitting alarm data. Telguard Digital transmits full security data when the telephone services are inoperable. If the landline is compromised or fails, Telguard automatically switches the communication to the digital cellular network.

