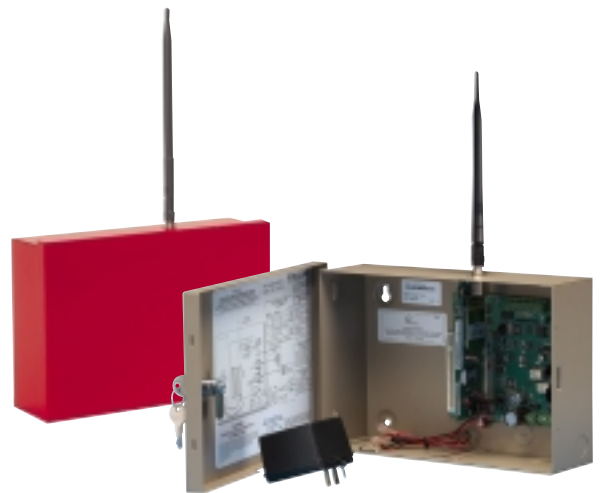


# Telguard Digital with full data



## Commercial, Industrial, and Financial Cellular Alarm Communicator



### Digital Cellular Security for Commercial Applications

Telular takes security data transmission to a new level with Telguard Digital. These advanced generation products transmit full data from virtually all security and fire systems to central stations using the nationwide GSM digital cellular network.

Telguard Digital provides primary or backup cellular alarm communication solutions for commercial, retail, financial and fire system markets. Telguard Digital transmits alarm signals over the digital

GSM cellular network when the telephone line or data network has been disrupted, compromised, or if no wireline service is used. This ensures critical data will reach the designated monitoring station.

Telguard Digital uses advanced encryption technology for secure communications and maximum dual-band transmitting power for superior in-building penetration. Telguard Digital products are easy to install, economical, and UL Listed.

#### Telguard Digital Models TG-7 and TG-8 Include:

- UL Commercial Burglary Listings for telephone line or data network backup applications
- UL 864 and NFPA 72 Listings for commercial fire systems
- Security supervision with automatic self-test and system trouble outputs
- Advanced encryption technology for secure communications
- Economical 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
- Locking Metal Enclosure
- 2 Programmable supervisory trip outputs
- Alarm format support for SIA2, Contact ID, Pulse (3x1, 4x2 @ 1400Hz & 2300 Hz), Modem IIe & IIIa<sup>2</sup>
- Telephone Line Monitor build-in
- TG-8 Models include E911 emergency phone service

### Power

- Transmit power 1.0W-2.0W (maximum allowable)
- Current consumption 104mA stand-by and 408mA 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 with 12 feet of cable and universal mounting bracket.
- FCC Part 15, 22, 24 & 68 compliant

### Physical Details

- TG-7, TG-7F and TG-8:  
7 1/2" H x 11 1/2" W x 3 1/2" D  
Shipping Weight 8 lbs.
- TG-7A & TG-8A:  
12" H x 12" W x 4" D  
Shipping Weight 18 lbs.
- Operating Environment:  
0°C to +50°C; up to 95% humidity (non-condensing).

### Accessories

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

### UL Residential Listings

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

### UL Commercial Burglary Listings

- 365 - Police Station Connected Burglar Alarm Units & Systems
- 1610 - Central Station Burglar Alarm Units
- 1635 - Digital Alarm Communication Units

### UL Commercial Fire Listings

- 864 - Control Units and Accessories for Alarm Systems

### UL Bank, Safe & Vault Listings

(TG-7A and TG-8A Models)

- 681 Mercantile and Bank Burglar Alarm
- 1641 Systems, Grade A Burglary

### 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-7 & 8 Series 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.

