GSM UNIVERSAL WIRELESS ALARM COMMUNICATOR

The GS3055-I GSM universal wireless alarm communicator can be used in a backup or primary role. The GS3055-I connects the alarm control panel to the GSM network and reports alarm signals directly to a monitoring station receiver (Sur-Gard™ System II/System III). For those customers not using a traditional PSTN phone line, the communicator can be utilized as a primary alarm communicator. The GS3055-I uses the GPRS data channel of the GSM network to ensure low-cost, high-speed and reliable alarm communications and is compatible with any control panel that communicates using the Contact ID format.

Product Features:

- Compatible with any control panel that communicates using the Contact ID format
- Full event reporting
- Uses GPRS data channel for high-speed, reliable and low-cost communications to an IP receiver
- 4 on-board inputs
- 4 on-board outputs (open collector)
- SIM card (included)
- Activation and initialization via the automated telephone activation system (VRU) or web-user interface provided by CONNECT 24™
- Advanced programming via web-user interface
- Compatible with Sur-Gard System II/III monitoring station receivers
- Special rate plans available through CONNECT 24
- UL/ULC listed

How it Works

The GS3055-I is installed between the telephone connection of a control panel and telephone line. When used in a backup role, the communicator assesses the connection to the PSTN phone line, and if that has failed, it then connects to the GSM network to send an alarm signal to the monitoring station. In a primary role, the communicator simply sends the alarm transmission over the GSM network immediately.

Alarm signals are transmitted directly without the need of a clearinghouse to the IP linecard of the monitoring station receiver (Sur-Gard System II/System III).

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Competitive Advantages

Direct to monitoring station communications

- Alarm signals are transmitted directly to the IP line card (Sur-Gard System II/System III) of a monitoring station receiver.

Universal panel compatibility with full reporting

- Works with any panel that is capable of communicating in Contact ID. Reads signals off the panel telephone interface and communicates in full reporting mode.

Uses data channel (GPRS) of the GSM network for high-speed, reliable and low-cost communications to an IP receiver

- GPRS signals are treated as high-priority by cellular providers and are delivered almost instantly. The size of a data packet used by the GS3055-I is minimal, which makes for attractive airtime rate plans (available through CONNECT 24).

Activation and initialization of the unit can be done using the automated telephone activation system (VRU) or web-user interface provided by CONNECT 24

- One business day prior to installation, the unit must be activated with CONNECT 24.

Advanced programming of the unit can be done using the web-user interface provided by CONNECT 24

- CONNECT 24 will offer a web-user interface to program units for dealers that register for digital service with CONNECT 24. This will allow dealers access to advanced programming options, prior to a physical installation.

Rate plans provided and administered by CONNECT 24

- Rate plans can be obtained through CONNECT 24 customer service. CONNECT 24 will continue to provide account administration and billing.
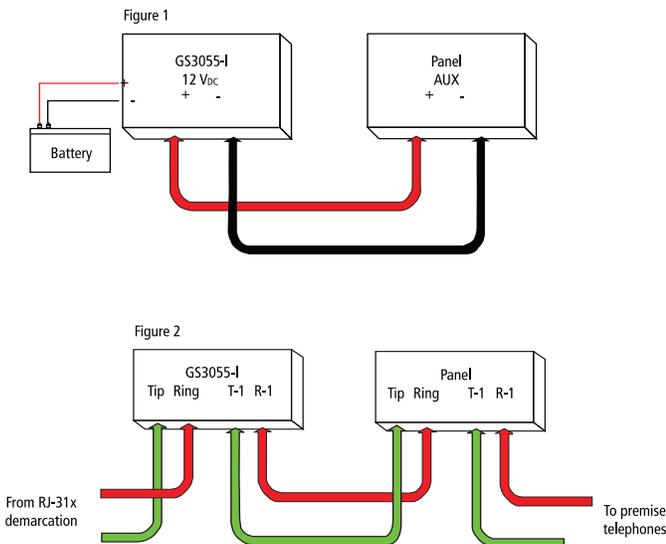
About the DSC Offering

What can our customers expect from the GS3055-I?

The GS3055-I needs minimal wiring for operation. It connects to a panel's telephone interface and to a 12 Volt power supply. The GS3055-I automatically connects to CONNECT 24 to receive its programming information, thereby minimizing onsite programming by the installer. This occurs after a successful activation session.

Wiring Diagram

Figure 1

Figure 2

What is our strategy to train dealers?

There will be dealer sign-up for training sessions throughout the country. Web-based tutorials are also available.

What does a monitoring station need to do to prepare for the GS3055-I?

Monitoring stations should have IP-receiving capability either with a Sur-Gard System II or System III receiver. These receivers must have the latest firmware to ensure full compatibility.

What listings will the GS3055-I have?

The GS3055-I has been listed by UL for Residential Fire and Burglary and Commercial Burglary installations. The device has been investigated under the requirements of UL985, UL1023 and UL1610 standards.

Can the GS3055-I be programmed remotely?

Yes. The GS3055-I can be programmed through CONNECT 24.

Will the GS3055-I be applicable for customers with VoIP service?

Absolutely. The GS3055-I should be installed as a primary communicator in these applications thereby bypassing the end-user VoIP service altogether. All panel communication is done via the cellular network. As a result, issues with transmission on VoIP networks and power outages are no longer a problem.

Will the role of CONNECT 24 change?

- CONNECT 24 will remain as the reseller of GSM/GPRS service and account administration
- CONNECT 24 will provide the automated telephone activation system (VRU) and web-user interface for the activation and initialization of the GS3055-I units
- CONNECT 24 will provide web-user interface support for the advanced programming of the GS3055-I units

Ordering Information:
GS3055-I USA . . . . GSM Universal Wireless Alarm Communicator
GS3055-I CDN . . . . GSM Universal Wireless Alarm Communicator

Technical Q&A

What is the Sunset Clause?

The Sunset Clause has been established by the Federal Communications Commission (FCC) to ensure analog cellular networks will remain supported until February 18, 2008. After this date, cellular carriers are free to turn down these analog networks and discontinue their support. This will directly affect all existing alarm installations that use cellular AMPS communications.

What is GSM?

The GSM network is one of the leading digital cellular systems available. It is a globally accepted standard whose footprint continues to grow rapidly throughout North America and the rest of the world. The GSM network provides three different channels for communication: Voice, GPRS and SMS.

The Voice channel is what is commonly used when making calls with a cell phone.

The GPRS channel is commonly used for transmitting data on the cellular network such as e-mails.

SMS is the transmission of short text-based messages no longer than 160 alphanumeric characters and without images or graphics.

What is GPRS?

General **P**acket **R**adio **S**ervice, or GPRS, is a packet-based wireless communication service based on GSM technology that delivers effective data rates up to 100 Kbps and continuous connections to the data services of cell phone and computing applications. With GPRS, you only pay for the amount of information you send rather than the duration of the connection.

What is SMS?

Short **M**essage **S**ervice, or SMS, refers to the transmission of short text-based messages to and from a cell phone, and/or IP address. The messages must be no longer than 160 alphanumeric characters. The intent is to give the cell phone the facilities of an alphanumeric pager, but with confirmed delivery of messages.

What is the difference between GPRS and SMS?

GPRS is a reliable wireless communication that has a higher priority in the cellular network to minimize transmission delays and increase the amount of data that can be delivered consistently. SMS is a simpler form of cellular communications that relies on short text messages. The one drawback to using SMS is that delivery times are not guaranteed and can vary depending on network traffic.

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