SUR-GARD

A Tyco International Company

Multi-format receiver

SG-SYSTEM I

Features That Make a Difference:

- Two Physical Phone Line Connections
- Multi-format receiver
- Patented ANI and DNIS reception, Automatic Handshake Selection (AHS), Caller ID capability and virtual configurations
- Supports Bellcore or ETSI Caller ID formats
- Up to 63 different profiles and up to eight different handshakes per profile
- Non-volatile RAM for programming and event buffer
- Continuous verification of computer/receiver links
- Integrated scheduled receiver line card testing via the SG-Systems Console
- Optional support for 512 IP Communicators
- “Flash” download software upgrades
- DSP technology
- 500-event memory buffer on each individual line card
- One parallel, one serial, one USB, and one TCP/IP Printer Port available
- One serial, and one TCP/IP Automation port available
- One USB, and one TCP/IP Console port available.
- Remote acknowledgement and sounder capability
- Optional rack mount in standard 19-inch rack with the SG-SII-RMK
- UL, ULC, CSFM, NIST, CE, CNC, Anatel, A-tick, and C-tick approved

Compact, Efficient, Reliable & Cost-Effective Solution for In-House Monitoring Needs

A Perfect Fit for Smaller Central Stations

Building upon the lineage of our trusted Sur-Gard monitoring station receivers, the SG-System I Multi-Format Receiver is a perfect fit for smaller central stations looking for a receiver with similar functionality to the Sur-Gard System III receiver but do not require its larger capacity.

Small Footprint with Mighty Performance

The SG-System I Multi-Format Receiver has a small footprint but there is no compromise to its mighty performance. It allows central stations to receive alarms via traditional Plain Old Telephone Service (POTS) telephone lines or over an optional IP connection (using DSC’s T-Link or GS series of products). With the ability to accept multiple communication formats from control panels, the amount of physical receivers required can be reduced – saving valuable space and cost output.

And with an easy-to-use interface, programming the SG-System I is fast.

Patented ANI & DNIS Reception, Automatic Handshake Selection (AHS) & Caller ID Technology Offers the Fastest Response Time in the Industry

SG-System I offers a number of patented technologies to help decrease the online time of central monitoring stations, ultimately saving costs for staffing and phone charges. The SG System I employs patented ANI and DNIS reception to aid in the identification of incoming calls. ANI reception enables SG-System I to identify the calling control panel while DNIS reception identifies the telephone number the panel dialed into allowing the System I to switch its profile (receiver type) and change its programming automatically.

The SG-System I also offers patented Caller ID technology. Once ANI or Caller ID information has been received, the industry’s fastest response time via patented Automatic Handshake Selection (AHS) technology instantaneously remembers the required handshake

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of the incoming control panel, eliminating the need for the handshake order to be executed. With the AHS technology, the average online time savings is approximately 4 seconds per call.

Two Phone Line Connections Offer Multitude of Options

The SG-System I is a robust receiver which offers two physical phone line connections. There are 63 different groups of options (profiles) available on each channel, which allows the user to emulate 63 different receivers.

End-to End Phone Line Testing Enhances Monitoring Capability

SG-System I offers integrated end-to-end testing of many telephone numbers. Line tests can be initiated on demand, or automatically following predetermined schedules. A unique test signal using SIA or Contact ID formats is programmed for each phone number and results are individually logged via SG-Systems Console Software.

SG-System I can send test signals to other compatible Receivers.

User-friendly Programming & Maintenance Remotely via Network

SG-Systems Console is an easy-to-use Windows™-based software suite used to configure the SG-System I. The software connects via the receiver's Ethernet port from any network computer or via the USB connection providing a number of remote diagnostic tools such as communications debugging. Other features include a "flash" memory upgrade utility, date and time synchronization, edit and archive configuration options, as well as a virtual event log. As new features become available all updates to the receiver are conducted via the network. This simplifies the update process as no Eeproms need to be replaced and the unit can remain powered up throughout the entire upgrade.

Ordering Information:

SG-SYSTEM I..... Multi-Format Receiver
SG-SYSTEM I IP.....Multi-Format Receiver with IP
SG-SYSI512IP.....Upgrade to SG-System I to allow for IP Monitoring
SG-SIIRMK .....Desktop Receiver Rack Mount Kit

Note that a IEC compatible power cable is not supplied and must be purchased separately.

Extremely Secure Network Alarm Monitoring

SG-System I features leading security measures such as 128-bit AES encryption to maintain a secure network environment when communicating with DSC IP communicators.

Continuous Verification of Computer/ Receiver Links

All automation links are continually being supervised by a heartbeat signal. If the heartbeat signal is not acknowledged, the SG-System I displays a notification indicating there has been an error and will switch to its backup automation connection.

Compatibility

A complete list of compatible formats is available upon request.

Specifications

Dimensions .....12" (W) x 12.3" (D) x 1.7" (H)
(30.4 cm x 31 cm x 4.3 cm) 1 U
NOTE: uses standard 19 " rack

Weight.....8.5 lbs (3.8 kg)

Input Voltage.....110-230 VAC, 50-60 Hz

Power Consumption ..... 25 W maximum

Outputs.....Dry Contacts

Battery Backup ..... External UPS (Not Supplied)

Operating Environment .....32° to 122° F (0° to 50° C)

Relative Humidity.....92%, Non-condensing

PN 30000954 R004

For product information
www.sur-gard.com

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