



MULTI-FORMAT RECEIVER SG-SYSTEM I



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

A Perfect Fit for Proprietary Applications

Building upon the lineage of our trusted Sur-Gard monitoring station receivers, the SG-System I Multi-Format Receiver is a perfect fit for institutions and businesses that may already do or are looking to carry out in-house monitoring of their security systems. These include financial institutions, retail outlets, educational campuses, or government facilities. The SG-System I Multi-Format Receiver offers complete control over alarm response in the field and eliminates the need for outside monitoring requirements.



Product Features

- Optional support for 512 IP Communicators
- Multi-format receiver
- Patented ANI and DNIS reception, Automatic Handshake Selection (AHS), Caller ID capability and virtual configurations
- Non-volatile RAM for programming and event buffer
- "Flash" download software upgrades
- DSP technology
- Up to 63 different profiles and up to eight different handshakes per profile
- 500-event memory buffer on each individual line card
- One parallel printer port, one serial printer port, one serial automation port, one USB console port and 10/100BaseT automation output
- Continuous verification of computer/receiver links
- Integrated scheduled receiver line card testing via the SG-Systems I Console
- Remote acknowledgement and sounder capability
- Optional rack mount in standard 19-inch rack with the SG-SII-RMK



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 the receipt of 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). This combination of phone line and network receivers can be used to create one integrated monitoring solution. 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 simple and fast.

Two Phone Line Connections Offer Multitude of Options

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

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 uses a numeric identifier programmed into SG-System I to identify the 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 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.

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

User-friendly Programming & Maintenance Remotely via Network

SG-Systems I 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 or from any network computer 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

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.

Ordering Information:	
SG-SYSTEM I	Multi-Format Receiver
SG-SYSTEM I IP	Multi-Format Receiver with IP
SG-SII-RMK	SG Desktop Receiver Rack Mount Kit
Note that a IEC compatible power cable is not supplied and must be purchased separately.	

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)
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