Honeywell | Accessories

IPGSM-4G

IP Internet & GSM (4G/3G/2G) Dual Path Communicator

General

The IPGSM-4G is a 4G Fire Alarm Communicator that offers Contact ID reporting that operates in conjunction with any Fire Alarm Control Panel (FACP) that has a built-in dialer. This easy-to-install, dual path communicator connects directly to the primary and secondary communication ports of a Fire Panel's Digital Alarm Communicator Transmitter (DACT). It offers three selectable reporting paths which include the following:

- Cellular only
- IP only
- IP primary/cellular backup

In the event of an off-normal condition, the fire panel sends the Contact ID formatted information to the IPGSM-4G Communicator Panel. The IPGSM-4G then reformats the data into highly, encrypted Ethernet packets that are used for transmission to the Alarm-Net Receiver, via either the customer-provided Internet/Intranet connection or to the Global System for the Mobile Communications (GSM) network.

Alternative communication methods are critical in the marketplace, due to the VoIP (Voice over IP) migration from POTS (Plain Old Telephone Service) and the growth of the digital radio networks. The IPGSM-4G's exclusive dual path communications solution combines Internet service with GSM to offer an added reliability and an extra level of security.

All signals from the IPGSM-4G Communicator Panel are delivered to Honeywell's AlarmNet® Network Control Center, which routes the information to the appropriate Central Station. The state-of-the-art, AlarmNet Network Control Center is fully redundant and monitored 24/7. AlarmNet has the capability to route messages using AlarmNet-i and 800 PLUS Services, providing true redundancy and multi-path message delivery.

The IPGSM-4G is designed to operate over the most common GSM networks. Its multi-GSM platform technology automatically chooses the best available cellular signal in the area based on the signal strength, and it seamlessly self-adjusts to maintain critical life safety communications.



IPGSM-4G

FEATURES & BENEFITS

- Saves the cost of two dedicated phone lines
- Offers dual path communications that can communicate to a Central Station using the Internet or the cellular technology
- Includes a Base network connection (LAN or WAN), DSL modem or cable modem
- Requires no change to the existing Fire Alarm Control Panel configuration. The IPGSM-4G connects directly to the primary and secondary telephone ports
- Operates over any type of customer provided Ethernet 10/100
- Uses a 7720P Hand-held programmer for easy setup
- Transmits over the following communication protocols:
  - HSPA+ (4G) HSPA (HSDPA
  - HSUPA) (3G) EDGE (2G) GPRS (2G)
- Data transmits over a standard Contact-ID protocol, and it is secured with the Industry's Advanced Encryption Standard (AES 256 bit)
- Supports both dynamic (DHCP) or Public and Private Static IP Addressing
- Provides a built-in power supply module that has the following:
  - An on-board charging circuit design that accommodates the back-up battery
  - The primary power and the battery supervision
- Diagnostic LEDs: Signal strength and status indications
- Reliable connection: IP and GSM connection tested every day
- QOS: Quality of Service diagnostics via AlarmNet conveys vital communicator information including the following:
  - the time a message was received
  - signal strength
  - message path used

Installation

UL® Compliance

To comply with UL Standard 864/NFPA, ensure the following installation requirements are met:

- IPGSM-4G must be installed in accordance with NFPA
- (National Fire Protection Association) Standards 70 and 72
- IPGSM-4G must be mounted in the same room and within 20 feet of the fire panel.
- IPGSM-4G, and all equipment used for the IP connection (such as: the router, hub, modem, etc.) must comply with the following:
  - Listed
  - Powered from an un-switched branch circuit
  - Provided with the appropriate standby power
- IPGSM-4G must use the 7A/H battery (not supplied) to provide 24-hour backup capability.

Programming

The IPGSM-4G Communicator can be pre-programmed using the 7720P Programmer that allows you to enter all central-station information. This program is saved to the IPGSM-4G Communicator panel memory. When the IPGSM-4G Communicator is installed at the site and it is connected to the Internet/ Intranet, it registers itself with the AlarmNet Receiver.

For most installations, the only required parameters are:

- Primary City ID (two digits) obtained from your monitoring station
- Primary Central Station ID (two digits) obtained from your monitoring station
- Primary Subscriber ID (four digits) obtained from your monitoring station
- Communication Module's MAC ID, and MAC CRC number located on the outside of the box, and the inside of the module

Note: All parameters are assigned by the monitoring station.

Ordering Information

IPGSM-4G : Internet and GSM Cellular Communicator Includes the following:

Red cabinet with key
Wall outlet box
Dialer Capture Module
GSM Communications Module
Antenna and mounting adapter
Power Boost Power Supply

7626-50HC: Antenna Cable IPGSM-4G 50 FT Coax
7626-25HC: Antenna Cable IPGSM-4G 25 FT Coax
GSM-ANT3DB: 3 dB External/Remote Weatherproof Antenna
7720P: Handheld Programmer, IPGSM-4G
HPTCOVER: Plug-in transformer box
BAT-1270: Battery 12 Volts, 7 A/H Sealed

IPGSM-4G Technical Specifications

SYSTEM

Power Transformer
Input Operating Voltages:
Primary: 120 VAC, 60 Hz, 0.50A
Secondary: 18 VAC, 50 VA
Backup Battery: 12 V 7.0 A (24 hours standby)
Current Requirements: - 230 mA standby
950 mA during transmission
Transmission Power: 850 MHz - 1 Watt
1900 MHz - 2 Watts
Mechanical
Dimensions: 12.75"W x 14.875"H x 3.0" D
(32.4 W x 37.6 H x 7.6 D cm)
Operating Temperature: 32° F to 120° F
(0° C to 49° C)
Humidity: 0% - 93% non-condensing

TEMPERATURE AND HU1MIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

STANDARDS

The IPGSM-4G is designed to comply with the following standard:
UL Standard: UL 864 9th Edition

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult the factory for the latest listing status.
UL Listed: S1869
FM Approved
MEA FDNY: COA 6162
CSFM: 7165-1703:0176
City of Chicago Approved : Class 1
Reference Certificate of Compliance: VMA 45894-02C
ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit: http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information
Learn more about Gamewell-FCI's IPGSM-4G and other products available by visiting www.Gamewell-FCI.com

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