



FIRE DEPARTMENT

9 METROTECH CENTER

BROOKLYN, N.Y. 11201-3857

CERTIFICATE OF APPROVAL # 6150 **THIS CERTIFICATE IS REVOCABLE, NOT TRANSFERABLE** **and EXPIRES on June 3, 2016**

By order of Fire Commissioner Salvatore Cassano, and pursuant to Section FC 112 of the New York City New Fire Code, the following equipment or system is accepted for use provided the conditions as outlined below are in full compliance.

Manufacturer: Honeywell International, Inc.

Trade Name(s): Honeywell Power Product

Product: Commercial Fire Communicators IPGSM-DP, IPGSM-4G

Pertinent Code Section(s): Section FC901 of New York City New Fire Code

Prescribed Test(s): UL 864– 9th Edition, NFPA 72

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): File S789 Vol.24 Sec.3 , Project 13CA05978 issued 2013-04-30

Description: Honeywell's models IPGSM-DP (COA#6133) and IPGSM-4G are Internet and Digital Cellular Fire Communicators/Transmitters designed to transmit status of FACP to Central Station via Internet or Cellular network.
All signals from the IPGSM-DP and IPGSM-4G are delivered to Honeywell's AlarmNet Control Center, which routes the information to the approved Central Station, using Contact ID communication format, as described in the SIA DC-05 Standard. The IPGSM-DP and IPGSM-4G use the Internet as its primary reporting path, and use GSM cellular reporting path as a backup.
In addition, each communicator utilizes power module that monitors and reports AC power loss, low battery, and missing battery connection to Central Station.
The IPGSM-DP and IPGSM-4G models are compatible with all UL 864 9-th edition FDNY/MEA-approved Fire Alarm Control Panels that use the Contact ID communication format.

Conditions of Approval:

1. All uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Construction Codes, specifically Building Code Chapter 9 & Appendix Q Section BC Q106, and New York City Electrical Code. Further, the installation shall be in accordance applicable provisions of New York City Fire Code, manufacturer's recommendations and UL Standard 864.

2. The installation and operation of the above referenced communicator for central station monitoring of fire alarm systems shall comply with 3RCNY R901-01. It shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic detection alarm, sprinkler waterflow alarm, supervisory signal indications, and trouble indications.
3. When installed as a Central Station Internet/Cellular communicator **both primary and secondary channels of communication** shall be required and shall meet the conditions of 3.1 – 3.6 **Internet communication shall be used as primary channel** of communication with Central Station and **Cellular communication shall be used as the secondary channel** of communication
 - 3.1. Each communication channel shall be monitoring for integrity at intervals not exceeding 24 hours.
 - 3.2. The failure of any one channel shall be annunciated at the central station within 5 minutes of failure by the remaining active channel.
 - 3.3. Reliability of the signal shall be achieved by any of the following:
 - 3.3.1. Signal repetition — multiple transmissions repeating the same signal.
 - 3.3.2. Parity check — a mathematically check sum algorithm of a digital message that verifies correlation between transmitted and received message.
 - 3.3.3. An equivalent means that provides a certainty of 99.99 percent that the received message is identical to the transmitted message.
 - 3.4. The maximum duration between the initiation of an alarm signals at the protected premises, transmission of the signal, and subsequent display and recording of the alarm signal at the Central Station shall not exceed 90 seconds.
 - 3.5. A spare Central Station Receiver shall be provided at the Central Station and shall be able to be switched into the place of a failed unit within 30 seconds after detection of failure.
 - 3.6. All applicable requirements of Federal Communications Commission (FCC) shall be complied with.
4. All communication devices such as the routers, wiring, antenna, etc shall be installed for communication and transmission of fire alarm system signals and shall be properly secured at all times from unauthorized use. All wiring used for network communications shall be plenum rated cable with a minimum temperature rating of 150°C and shall be installed in raceway as per requirements of NYC Electrical Code, Article 760.
5. Underwriters Laboratories Inc.'s Listing requirements and limitations shall be complied with.
6. The above referenced communicator shall be used only with listed fire alarm equipment, which compatibility has been determined by Underwriters Laboratories test reports.
7. All installations are subject to inspection, test, and approval from FDNY Fire Alarm Inspection Unit (FAIU).
8. AlarmNet Control Center may be subject of FDNY inspection. All inspection shall be conducted during normal business hours.

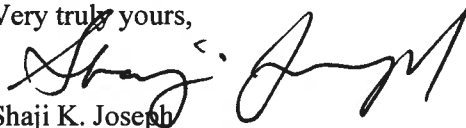
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9. Any change in Central Station communication service provider shall be reported to FAIU and is subject to re-inspection, test, and approval.
10. Certificate of Approval number shall be plainly and permanently stamped or otherwise fixed upon each product by the applicant.
11. The Fire Department's conditions of approval shall be enumerated in the installation manuals and brochures or in the product packaging documents that will be provided to all New York City buyers and users.
12. Fire Department Certificate of Approval does not constitute an endorsement or recommendation of your product by the Fire Department, but is a certification that your product is acceptable as of the date of issuance.
13. The Fire Department reserves the right to withdraw this approval at any time in the event there is a reasonable doubt that the product does not operate or perform as required by code, the conditions of this resolution or as represented in your application.
14. As the manufacturer of this product, you should be aware that any end user who fails to comply with the condition as outlined in the approval would be subject to enforcement action, which may include fines and imprisonment.

Any change in company name or ownership, product name, design or model number of any product included on this certificate must be immediately reported to this Department in writing.

When responding to this Department regarding this subject matter, kindly refer to F.P. Index # 1305047A and to Igor Chouchereba attention, 9 MetroTech Center #1S-43-K, phone (718) 999-1997.

Very truly yours,



Shaji K. Joseph
Deputy Director of Engineering
Technology Management

c: Thomas Pigott, Chief of Technology Management
Tamara Saakian, Director of Technology Management
Alex Spector, Director of FAIU

SJ: IC/1305047A