



FIRE DEPARTMENT
9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

CERTIFICATE OF APPROVAL # 6122
THIS CERTIFICATE IS REVOCABLE, NOT TRANSFERABLE
AND EXPIRES ON July 23, 2015

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: Silent Knight

Product: Fire Alarm Control Panel

Model Number(s): IFP-1000ECS/100ECS

Pertinent Code Section(s): Section FC 901 of the New York City Fire Code

Prescribed Tests: UL 864 9th Edition, NFPA 72

Laboratories: Underwriters Laboratories, Inc.

Report(s): UL File S2766 Vol 17, Sec. 1, issued 2011-11-08, revised 2012-04-02
UL File S3511 Vol 16, Sec. 1, issued 2011-11-07
UL File S3511 Vol 17, Sec. 1, issued 2011-11-09
UL File S3511 Vol 18, Sec. 1, issued 2011-12-16

Description: **IFP-100ECS**
The IFP-100ECS is an intelligent analog/addressable fire alarm control panel combined with an Emergency Communication System (ECS). When the ECS features are enabled, they are integrated with the fire alarm and voice evacuation functions of the control panel. The IFP-100ECS panel and accessories provide features to meet the requirements for Mass Notification Systems as described in UL 2572.
The IFP-100ECS has four notification appliance circuits that can be programmed for notification outputs or auxiliary power. The FACP also has a built-in, dual-line digital fire communicator, Form C trouble relay, and two programmable Form C relays. The firmware has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert. The IFP-100ECS supports a variety of devices, including RA-100 or

RA-1000 remote annunciators, 5824 serial/parallel printer interface module (for printing system reports), 5496 or RPS-1000 intelligent power modules. The IFP-1000ECS system is scalable from 50 to 1000 watts using a distributed amplification scheme to provide the power to the appropriate areas for evacuation coverage.

IFP-1000ECS

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The IFP-1000ECS has six on-board Flexput™ circuits that can be configured for auxiliary power, notification outputs, or conventional input devices / smoke detectors. (Class A or Class B). The FACP also has a built-in, dual-line digital fire communicator, Form C trouble relay, and two programmable Form C relays. The firmware has powerful features such as detector sensitivity, day/night thresholds, drift compensation, pre-trouble maintenance alert, and calibration trouble alert. The IFP-1000ECS supports a variety of devices, including RA-1000 or RA-100 remote annunciator, 5824 serial/parallel printer interface module (for printing system reports), RPS-1000 intelligent power module. The IFP-1000ECS system is scalable from 50 to 1000 watts using a distributed amplification scheme to provide the power to the appropriate areas for evacuation coverage.

Conditions of Approval:

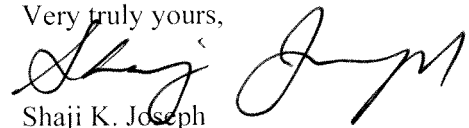
1. All uses, configurations, arrangements and functions, application and installations shall comply with the provisions of New York City Construction Codes, specifically Building Code Chapter 9 & Appendix Q Section BC Q106. Further, the installation shall be in accordance with applicable provisions of New York City Fire Code, New York City Electrical Code, manufacturer's recommendations, and UL Standard 864.
2. The installation and use of above equipment as Mass Notification System shall require a prior written approval from Fire Department
3. Models with voice system shall have the capability of individual, group, or entire building notification of alarm tone and voice intelligibility.
4. Installation of prerecorded evacuation messages would require a prior approval from the Department.
5. Annunciator is acceptable under the condition that this unit shall be used to acknowledge the alarm and all its control function, including alarm silence and panel reset shall be disabled.
6. The above referenced equipment shall be used only with listed fire alarm equipment and devices, with which the compatibility has been determined by UL Listing Report
7. Only enclosures painted red in color shall be used.

8. Underwriters Laboratories Inc.'s Listing requirements and limitations shall be complied with.
9. Certificate of Approval number shall be plainly and permanently stamped or otherwise fixed upon each product by the applicant.
10. The Fire Department's conditions of approval shall be enumerated in the installation manuals and brochures that will be provided to all New York City buyers and users.
11. 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.
12. 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.
13. 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.
14. This Certificate of Approval does not grant the right to use any trademark associated with the New York City Fire Department (the letters FDNY, the FDNY Shield design, the FDNY Maltese Cross design, and the seal of the City of New York). The unauthorized use of trademarks in connection with the sale of commercial goods or services violates federal and state laws.
15. Products marked to indicate the Certificate of Approval number might refer to the "NYC Fire Department" or "NYC Fire Dept" (e.g., "NYC Fire Dept Certificate of Approval #XXXX").

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 # 1206152A 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: Tamara Saakian, P.E., Director of Technology Management.

SJ: IC/1206152A