



FIRE DEPARTMENT

9 METROTECH CENTER

BROOKLYN, N.Y. 11201-3857

CERTIFICATE OF APPROVAL # 6101 **THIS CERTIFICATE IS REVOCABLE, NOT TRANSFERABLE** **and EXPIRES on JULY 13, 2018**

By order of Fire Commissioner Daniel A. Nigro, 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: Bosch Security Systems, Inc.

Trade Name: Bosch

Product: Fire Alarm Control Panel

Model Number(s): FPA-1000-V2 Compact Fire Alarm Control Panel

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

Prescribed Tests: UL 864 9th Edition, NFPA 72

Laboratories: Underwriters Laboratories, Inc.

Report(s): UL S1871, Vol.8, Sec.1; Issued 2009-01-23; Revised 2011-08-31

Description: FPA-1000-V2 Compact Fire Alarm Control Panel is an updated version of the FPA-1000-UL Compact Fire Alarm Control Panel, which was approved along with associated accessories itemized in Table 1 on COA # 6034. The FPA-1000-V2 control panel provides up to 508 individually identified programmable points, and contains an integral (DACT) communicator designed for reporting to central office via (PSTN) public switched telephone network and IP network destinations.
The FPA-1000-V2 can utilize one of three network modules that will allow the networking of up to 50 panels into a single system.

Table 1. FPA-1000-V2 Compact Fire Alarm Control Panel

Bosch No.	Product Description	Prior Approval	UL File
FPE-1000-NW	Network Module with one Ethernet port and two twisted pair ports	New	S1871, Vol. 18, Sec. 1
FPE-1000-NE	Network Module with three Ethernet ports	New	S1871, Vol. 18, Sec. 1
FPE-1000-NF	Network Module with one Ethernet port and two fiber optic ports	New	S1871, Vol. 18, Sec. 1

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Bosch No.	Product Description	Prior Approval	UL File
FMR-1000-RA	Remote Annunciator	COA # 6034	S5579, Vol. 8, Sec. 1
FMR-1000-RCMD	Remote Command Center	COA # 6034	S5579, Vol. 8, Sec. 1
FPE-1000-CITY	City Tie Module	COA # 6034	S1871, Vol. 18, Sec. 1
FPE-1000-SLC	SLC Module	COA # 6034	S1871, Vol. 18, Sec. 1
FPM-1000-SFMK	Semi Mount Flush Kit	COA # 6034	S1871, Vol. 18, Sec. 1
FPM-1000-ENC	Enclosure	COA # 6034	S1871, Vol. 18, Sec. 1
FPA-1000-LC	Electrical components minus enclosure	COA # 6034	S1871, Vol. 18, Sec. 1
FPA-1000-LT	Control Panel minus transformer	COA # 6034	S1871, Vol. 18, Sec. 1
FLM-325-I4	FRCME-4 Hochiki Fast Response Contact Monitor Module (with 4 in back box) (Multiple List)	COA # 6034	S4992
FAA-325-B6S	ASB Hochiki Analog Sounder Base (Multiple List)	COA # 6034	S4992
FLM-325-CZM4	CZM Hochiki Conventional Zone Module (Multiple List)	COA # 6034	S4992
FLM-325-2I4	DIMM Hochiki Dual Input Monitor Module (Multiple List)	COA # 6034	S4992
FLM-325-2R4	R2M Hochiki Dual Relay Module (Multiple List)	COA # 6034	S4992
FLM-325-N4	SOM Hochiki Supervised Output Module (Multiple List)	COA # 6034	S4992
FLM-325-I	SCI Hochiki Short Circuit Module (Multiple List)	COA # 6034	S4992
D7030X	LED Annunciator (8 Red)	12-92-E, V. 14	S5579, Vol. 3, Sec. 1
D7030X-S2	LED Annunciator (2 Yellow)	12-92-E, V. 14	S5579, Vol. 3, Sec. 1
D7030X-S8	LED Annunciator (8 Yellow)	12-92-E, V. 14	S5579, Vol. 3, Sec. 1
D7032	Eight Point LED Annunciator Expander	12-92-E, V. 14	S5579, Vol. 3, Sec. 1
D7031	Remote Key switch	12-92-E, V. 14	S5579, Vol. 3, Sec. 1
D7048/B	Octal Driver Module	12-92-E, V. 14	S5579, Vol. 3, Sec. 2
D7035/B	Octal Relay Module	12-92-E, V. 14	S1871. Vol. 4
FPP-RNAC-8A-4C	Remote NAC Booster	COA # 6034	S5579, Vol. 1, Sec. 21

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 & 1RCNY §3616-04. Further, the installation shall be in accordance with applicable provisions of New York City Fire Code, New York City Electrical Code, manufacturer's installation requirements, and UL Standard 864.
2. The installation of Fire Alarm Control Panel must provide for fail-safe operation. This feature must assure that control of doors, locks, ventilation fans, and elevator recall will not be rendered inoperable in the event of a fire or power failure.
3. When installed for Central Station communication, the installation and operation of the equipment and devices shall comply with 3RCNY §901-01. It shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic detection alarm, sprinkler water flow alarm, supervisory signal indications, and trouble indications.
4. Communication to the central office shall be done via (PSTN) public switched telephone network and IP network as back up.
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. Only fiber optic cables approved for installation in New York City shall be used.
7. Only enclosures painted red in color shall be used.
8. The above referenced Fire Alarm Control Panel shall be used only with listed fire alarm equipment and devices with which the compatibility has been determined by Underwriters Laboratories reports.
9. Underwriters Laboratories Inc.'s listing requirements and limitations shall be complied with.
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 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.

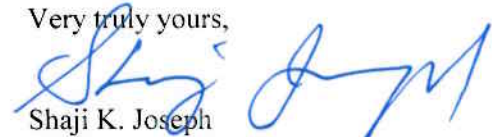
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14. As the manufacturer of this product, you should be aware that any end user who fails to comply with the condition as outlined in the approval would be subject to enforcement action, which may include fines and imprisonment.
15. This Certificate 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.
16. 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 # 1111137C 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/1111137C