



FDNY

CERTIFICATE OF APPROVAL # 6307 **THIS CERTIFICATE IS REVOCABLE, NOT TRANSFERABLE** **and EXPIRES on MARCH 5, 2022**

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 Communication Equipment

Basic Model Number(s): B465, B46, B10R, B444 (see Table 1 for the details)

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

Test(s) Standards(s): UL 864 9th Edition

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL S1871, Vol. 24, Sec. 3; issued 2015-08-04
UL S1871, issued 2005-10-06, revised 2016-05-12

Description: Cellular module B444 is added to previously approved B465, B46, B10R, and cellular modules B440, B441, B442, B443. B465 along with associated accessories itemized in Table 1, links the digital dialer, or dry contacts from a FACP to an Ethernet connection on a local area network (LAN) or wide area network (WAN). The module uses its built-in Ethernet connection, and/or an optional Connetix plug-in cellular module to send reports to the central station receiver.

Table 1.

A	B	C	D	E
	Bosch No.	Product Description	Prior Approval	UL File
1	B465		COA 6214	S1871, Vol. 24 , S3

A	B	C	D	E
	Bosch No.	Product Description	Prior Approval	UL File
		Universal Dual Path Communicator		
2	B46	External Annunciator	COA 6214	S1871, Vol. 24 , S3
3	B10R	Enclosure	COA 6214	S1871, Vol. , Sec.
4	B440	Cellular Module	COA # 6174	S1871, Vol. 23 Sec. 1
5	B441	Cellular Module	COA # 6174	S1871, Vol. 23 Sec. 1
6	B443	Cellular Module	COA # 6174	S1871, Vol. 23 Sec. 1
7	B444	Cellular Module	new	S1871

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. 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
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 – 3.7. **Network communication shall be used as primary channel** of communication with Central Station and **Cellular Communicator shall be used as the secondary channel** of communication **or in reverse order**: Cellular Communicator as primary and Internet connection as the secondary channel.
 - 3.1. Each communication channel shall be monitoring for integrity at intervals not exceeding 24 hours
 - 3.2. Failure any channel of communication shall be annunciated at the protected premises within 5 minutes of failure
 - 3.3. The failure of either channel shall be annunciated at Central Station within 5 minutes of failure by the remaining active channel.

- 3.4. Reliability of the signal shall be achieved by any of the following:
 - 3.4.1. Signal repetition — multiple transmissions repeating the same signal
 - 3.4.2. Parity check — a mathematical check sum algorithm of a digital message that verifies correlation between transmitted and received message
 - 3.4.3. An equivalent means that provides a certainty of 99.99 percent that the received message is identical to the transmitted message
- 3.5. 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
- 3.6. 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
- 3.7. All applicable requirements of Federal Communications Commission (FCC) shall be complied with.
4. All communication devices shall be installed and dedicated 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.
5. The above referenced communication equipment shall be used only with listed fire alarm equipment and devices with which the compatibility has been determined by Underwriters Laboratories test reports.
6. Only enclosures painted red in color shall be used.
7. Underwriters Laboratories Inc.'s Listing requirements and limitations shall be complied with.
8. All installations are subject to inspection, test, and approval from Fire Alarm Inspection Unit (FAIU).
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 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.

Expires on March 5, 2022
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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.
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 # 1902006A and to Igor Chouchereba attention, 9 MetroTech Center #1S-43-K, phone (718) 999-1997.

Very truly yours,


Igor Chouchereba
Supervisor of Electrical Installation, II
Technology Management

c: Tamara Saakian, P.E., Director of Technology Management.
cc: Trushant Shah, Deputy Director of Engineering, Technology Management