



FDNY

BUREAU OF FIRE PREVENTION

9 Metro Tech Center, 3rd Floor

Brooklyn, NY, 11201

To: Justin Mitchell.
From: New York City Fire Department
Date: Nov 4, 2024
Record ID: 2024-TMCOAP-007853-CERT



Premises Address: Citywide

BIN

Application Type: Certificate of Approval

Result: Certificate of Approval

Expires On: Nov 03, 2024.

By order of Fire Commissioner 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: AES Corporation.

Trade Name(s): AES Corporation.

Product: 7177 Hybrid 2.0 Subscriber Communicator with IP Link Capability.

Model Number(s): 7177.

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

Prescribed Test(s): UL 864, NFPA-72-2016, 1 RCNY §3616-04

Laboratory: Underwriters Laboratories, Inc.

Test Report(s): UL Solutions Report No. S5103
Issued 25-Sep.-2018.

Description: The 7177 HYBRID Subscriber Unit is an AES-IntelliNet 2.0 RF Communicator with IPLink capability. This allows it to act as a network bridge and deliver alarm communication messages. It can forward the RF traffic of its peers over an IP connection to an alarm monitoring central station.



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Conditions of Approval

1. All uses, configurations, arrangements and functions, applications 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 used with a central office control communicator or a transmitter, 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 waterflow alarm, supervisory signal indications, and trouble indications.
3. The failure to transmit the signal to central station shall be announced at protected premises FACP by audio and visual means.
4. When the installation of remote antenna is required, the following shall be completed:
 - 4.1. The antenna transmission line between the transmitter and the antenna shall be installed in rigid metal, intermediate metal conduit, or electrical metallic tubing in accordance with NFPA 70, National Electrical Code.
 - 4.2. Interconnections between elements of transmitting equipment, including any antennas, shall be supervised either to cause an indication of failure at the protected premises or to transmit a trouble signal to the supervising station.
5. The maximum time between initiating of an alarm signal at the protected premises, transmission of the signal, and subsequent display and recoding at the central station shall not exceed 90 seconds as per 26.6.3.8 of NFPA-72-2016.
6. The approved central station shall operate in full compliance with requirements of 26.3.8 of NFPA-72-2016.
7. At least two Remote IP-Link Receivers (Model 7177) are required and shall be installed in secured location to prevent the unauthorized access; these receivers shall be accessible for FDNY inspection.
8. When Remote IP-Link Receivers is not located at the central station, provide additional, back-up telephone connection between Remote IP-Link Receiver and MultiNet Internet Monitoring Receiver System, the main channel of communication between those two modules is Internet.
9. The secondary power with the 24 hours capacity shall be provided for Extender. Any failure of the power shall be notified immediately at the protected premises and central station.
10. The above referenced Fire Alarm Control units shall be used only with listed fire alarm equipment and devices, with which the compatibility has been determined by Underwriters Laboratories reports.
11. Connection to Central Station shall have two means of communication. The primary channel shall be telephone line. Cellular or internet communication shall be limited for the secondary means of communication and comply with 26.6.3 NFPA 72, 2016 edition.
12. The above-referenced equipment shall be used only with listed fire alarm equipment and devices, with which the compatibility has been determined by UL Solutions.
13. The Dual Path Communicators that use the backup power from FACP shall be included in the battery calculations for this fire alarm control panel.
14. The Dual Path Communicator that uses its own power shall be provided with battery backup as per NYC 2011 Electrical Code, Section 760.41, (C) Battery.
15. The connection of security/burglar devices and equipment to the fire alarm control unit is prohibited. A sign must be provided to



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indicate the same.

16. All installations are subject to inspection, test, and approval from Fire Alarm Inspection Unit (FAIU).

17. Any change in central station communication service provider shall be reported to FAIU and is subject to re-inspection, test, and approval.

18. Certificate of Approval number shall be plainly and permanently stamped or otherwise fixed upon each product by the applicant.

19. 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.

20. 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.

21. 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.

22. 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.

23. 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.

24. 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 2024-TMCOAP-007853-CERT).

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 2024-TMCOAP-007853-CERT and send it to Neveen Sheiha attention, 9 MetroTech Center, # 1S-76-K, (718) 999-0498 or e-mail: Neveen.Sheiha@fdny.nyc.gov.

Very truly yours,

Neveen Sheiha

Assistant Electrical Engineer

Technology Management

By Order of,
Chief of Fire Prevention