

TOWN OF BROOKHAVEN DIVISION OF FIRE PREVENTION

Salvatore Garafalo, Chief Fire Marshal

General Information Bulletin #: 08-A

Subject: Fire Alarm Systems - Digital Alarm Communicator Transmitter And Other Transmission Technologies

Explanation: The purpose of this bulletin is to clarify the use of Voice Over Internet Protocol Telephone (VOIP) Systems (example: Optimum Voice) with Digital Alarm Communicator Transmitter (DACT) and the acceptance of other transmission technologies in accordance with the Fire Code of New York and the Town of Brookhaven Fire Prevention Local Law.

Code excerpts - Fire Alarm Systems:

NYS Fire Code § F907.2 requires that fire alarm systems be installed in accordance with the provisions of NFPA 72-2002.

NFPA 72 § 8.5.3.2.1.1 requires that a DACT shall be connected to a public switched telephone network upstream of any private telephone system at the protected premises.

NFPA 72 § 8.5.3.2.1.1 (B) requires that the special attention shall be required to ensure that this connection is to a loop start telephone system.

NFPA 72 § 8.5.4.1 indicates other transmission technologies shall include those that operate on principles different from specific transmission technologies covered by Chapter 8 of NFPA 72-2002 shall be permitted to be installed if they conform to the requirements of this subsection and to all other applicable requirements of this code.

Division Operating Procedure:

- The DACT shall not be connected to a VOIP telephone system in the Town of Brookhaven.
- The use of alternate type transmission devices shall be permitted when the devices are listed in accordance with UL 864.
- If an alternative type transmission device is installed in an existing system a permit and inspection by the Division of Fire Prevention is required.

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Excerpts UL 864 – Control Units and Accessories for Fire Alarm Systems:

- 1 Scope
- 1.1 These requirements cover discrete electrical control units and accessories for fire alarm systems to be employed in accordance with the following National Fire Protection Association (NFPA) Standards:
 - i) NFPA 72 National Fire Alarm Code
- 1.2 The products covered by this standard are intended to be used in combination with other appliances and devices to form a commercial fire alarm system. These products provide all monitoring, control and indicating functions of the system. An installation document(s) provided with the product describes the various products needed to form a fire alarm system and their intended use and installation.
- 1.3 These requirements do not cover manual boxes, automatic fire detectors, automatic transmitters or other initiating devices; nor do they cover notification appliances not provided as part of the product.

Table of Contents for UL 864

- 40 Transmission and Communication Paths
- 40.7 Other Transmission Technologies

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