



Walpole Fire Department Emergency Services

Timothy F. Bailey, Jr.
Chief of Department

Michael K. Laracy
Deputy Chief

Captain David K. Jenks Captain David Kehoe
Captain John W. Mattson Captain Stephen H. Smith

20 Stone Street
Walpole, Ma. 02081
Phone: (508) 668-0260

WALPOLE FIRE DEPARTMENT RADIO FIRE ALARM BOX APPLICATION

Property Location: _____

Property Owner: _____ Owner Phone: () _____

Occupant: _____ Occupant Phone: () _____

Contractor: _____ Contractor Phone: () _____

Installer Name: _____ Installer MA Lic. _____

Note-please get a copy of license from contractor and attach to application.

Installer Phone: () _____

Equipment to be installed:

"All radio master boxes shall be of the same manufacture as the Town of Walpole's receiving equipment, thus insuring 100% compatibility for proper operation and to maintain Factory Mutual approval. The manufacturer of the receiving equipment at the Fire and Police stations is;

Signal Communications Corporation
P.O. Box 2588
Woburn, Ma. 01888-1188
Tel. (781) 933-0998
Fax (781) 933-5019

It is a requirement of the Walpole Fire Department that a 16 Zone Radio Alarm Box (model: 8MTJ-A-16 Series) be installed at the property location unless permission is given otherwise.

1. Please contact the Walpole Fire Department prior to the zoning of the radio alarm box.
2. All Zone assignments and their description/wording shall be approved by the Walpole Fire Department prior to programming and acceptance testing.
3. A single alarm "General Alarm" will not be allowed without the permission of the Walpole Fire Alarm Superintendent.
4. Removal of existing hard-wired master box (if applicable) shall be the responsibility of the contractor/installer. Removal must be coordinated with the Walpole Fire Department to ensure disconnect from the Municipal Fire Alarm System.

Fire Department Approval By: _____ Date _____

Assigned Radio Alarm Master Box Number: _____



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Radio Controlled Fire Alarm Box Installation Regulations

Section 1- Equipment

1.0 Introduction

A radio controlled master box is an auxiliary device designed to protect an individual building or a group of buildings with connection to the Town of Walpole Municipal Fire Alarm System. The system shall operate in conformance with NFPA 1221 and all applicable FCC rules, part 90, and regulations.

Upon detection of an alarm or trouble, the radio master box shall transmit a FM signal to the receiving consoles.

All radio master boxes shall be of the same manufacturer as the Town of Walpole's receiving equipment, thus insuring 100% compatibility for proper operation and to maintain Factory Mutual approval. The manufacturer of the receiving equipment at the Police and Fire Station is;

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2. Have an integral lightning arrestor and shall come complete with all the mounting hardware.
 3. Antenna cable shall be RG213.
 4. Antenna cable and grounding shall be designed such that all lead-in wires are concealed and protected from the elements within ¼" ridged conduit.
 5. Installed per NFPA 72 and NFPA 1221.
 6. Be only installed on the exterior of a building.
 7. Antenna cable shall be protected when installed within the interior of the building so as to prevent from being damaged. Tubing or ridged conduit is acceptable.
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8. Shall be located in a place approved by the Walpole Fire Department.

Section 2 Authority/Permits/Approval

2.1 Authority

The Walpole Fire Department is the Authority Having Jurisdiction (AHJ) and reserves the right to modify these regulations.

2.2 Permits

No installations shall be done without proper permits from the AHJ.

2.3 Approvals

All installations are subject to approval, inspection and testing by the AHJ.

Section 3 - Use and application

3.1 Use

The intended use of the radio master box is for the reporting of fire detection. The Town of Walpole will not monitor any condition other than fire detection or related functions as approved by the Fire Department.

Section 4 - Installation

4.1 Before Installing

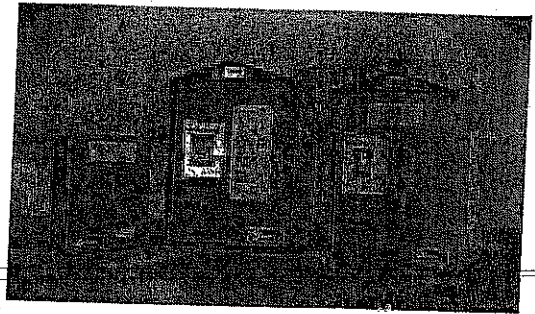
Before installing the radio master box or any of its components the installing contractor **MUST** contact the Fire Department for location and any special instructions. Keys are not shipped with the radio master box and will not be provided to anyone other than the Walpole Fire Department personnel.

WALPOLE FIRE ALARM
FIRE ALARM ZONES
FOR
16 ZONE RADIO MASTER BOX

- | | |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zone 1 | For all single trip panels or: 1 st floor smokes/heats of multiple story buildings or 1 st store in strip malls (example – 1 st store on left as seen facing the front entrance), building 1 of a multiple building complex, zone 1 on existing FACP. |
| Zone 2 | 2 nd floor smokes/heats of a multiple story building, 2 nd store of a strip mall, building 2 of a multiple building complex, zone 2 on existing FACP. |
| Zone 3 | Same as above (adjust for floor, etc) |
| Zone 4 | Same as above (adjust for floor, etc) |
| Zone 5 | Same as above (adjust for floor, etc) |
| Zone 6 | Same as above (adjust for floor, etc) |
| Zone 7 | Same as above (adjust for floor, etc) |
| Zone 8 | Same as above (adjust for floor, etc) |
| Zone 9 | Same as above (adjust for floor, etc) |
| Zone 10 | Outside pull (if used) see Fire Department |
| Zone 11 | Pull stations |
| Zone 12 | Duct smoke detectors |
| Zone 13 | Sprinkler water flow |
| Zone 14 | Sprinkler tampers |
| Zone 15 | See Fire Department |
| Zone 16 | See Fire Department |

ALL ZONE ASIGNMENTS MUST BE APPROVED BY THE FIRE DEPARTMENT
14 gauge solid copper wire shall be used from the FACP to the radio master box and shall be either black or red in color. Each shall be numbered to identify the box zone. See manufacturer's instructions for other special requirements.

DTX Series Alarm Transceiver



Overview

SigCom's DTX Alarm Transceiver is an extremely versatile and cost effective alarm reporting device. The DTX may be configured to operate as a one-way radio transmitter, a two-way radio transceiver or a combination of either radio configuration and a fiber optic transceiver. Each means of communications is independent of the other, providing maximum reliability.

When combined with SigCom's Vision 21 System Processor, all of the DTX configurations are Factory Mutual (FM) Approved as both Public and Proprietary Alarm Reporting Systems (NFPA 72).

The DTX is capable of monitoring up to 4 zone inputs (dry contacts) and one external user activated switch. As an alternative, the system may be configured with a combination of zones and external switch contacts to adapt to a variety of applications. The DTX can also interface with a serial port (RS-232 or RS-485) connection from a control panel. Zone input circuits and external switch contacts can be assigned with up to 32 different message names.

In normal operation, the DTX continually scans each input for alarm and trouble conditions. In addition, the DTX also monitors itself for a variety of internal faults, including loss of fiber-optic communications, when applicable.

The DTX has four optional internal relay outputs (form C) that are field programmable. These outputs may be configured to operate automatically upon transmission of specific zone, alarm and/or trouble messages. The output relays may also be configured to operate by remote activation in either of the two-way configurations (radio or fiber optic).

Features

- FM Approved
- One- or two-way radio
- Four supervised initiation circuits
- Prioritized alarm and trouble messages
- Transmits 32 different message types

Options

- Multi-mode fiber optic transceiver
- Serial port for data communication with intelligent panels and devices
- Command/control relays
- Pull hook or buttons for alarm initiation
- Weather proof enclosure (NEMA 3R)

