

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)



Specifications

Listings:	FM Approved
Zone Inputs:	4
Zone Display:	Alarm and Trouble per zone
Serial Input:	RS-232 or RS-485
	96 Zones, 32 Functions, 999 Devices per Zone
Enclosure, indoor:	Sheet metal NEMA 1 (14" H x 12" W x 6" D)
Enclosure, outdoor:	Cast metal NEMA 3R (21" H x 16" W x 9 7/16" D)
Temperature Range:	-40° F to 150° F -40° C to 65° C
<u>Radio Transmitter</u>	
Output power:	1 Watt (72-76 MHz) 4 Watts (138-170 MHz)
<u>Fiber Optic Interface</u>	
Fiber:	62.5/125 micron, multi mode
Light Sources:	850 nm LED
Connectors:	ST type
<u>Power Supply</u>	
Primary power:	120 VAC
DC power:	12 VDC
Battery:	12 V, 7 AH
Back up:	Minimum 72 hours with fully configured system Up to 144 hours depending on configuration

Ordering Information

D T X -		
	Zones	0 = None 4 = 4 Zones
	Relays	R = 4 Relays 0 = No Relays
	Enclosure	N1 = Nema 1 CS = Cast Nema 3R, Surface w/ Pull hook S1 = Cast Nema 3R, Surface w/ Push Button ** Other options available (consult factory)
	Communications	R1 = Radio 1-Way R2 = Radio 2-Way F1 = Fiber + Radio 1-Way F2 = Fiber + Radio 2- Way
	Frequency Range	L1 = 72 - 76 MHz H1 = 132 - 151 MHz H2 = 151- 162 MHz H3 = 162 - 174 MHz

