

DTX Series Long Range Radio Alarm Transceiver

Description

SigCom's DTX Series is a family of extremely versatile and cost effective Alarm Reporting/Command & Control Transceivers. The DTX may be configured to operate as a one-way radio transmitter, or a two-way radio transceiver. The two-way configuration allows the system to be used for command/control functions that are well suited for industrial, institutional and military applications including Mass Notification Systems. Each means of communications is independent of the other, providing maximum reliability.

When combined with SigCom's TRX50 System Processor, all of the DTX configurations are Factory Mutual (FM) Approved as both Public and Proprietary Alarm Reporting Systems (NFPA 72, Chapters 26 & 27).

The DTX is available with 4 or 16 supervised, dry contact inputs that can be used for zone alarm reporting and/or other status reporting functions as needed per application requirements. There is also an additional input used for external, user operated alarm activation. 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 event types.

The relay option provides 4 relays with Form C contacts that can be programmed to operate by that DTX, by remote control from the TRX50 System Processor (in a two-way system), or combinations of local and remote control. These relays can be programmed to operate upon receipt of a specific local zone alarm and / or trouble event.

When used with the Mass Notification (Incident Reporting & Notification) software, the output relays can be used to activate live or prerecorded voice communication to outdoor areas, specific buildings, groups of buildings or throughout an entire military complex, campus or industrial/institutional facility.

Serial data interfaces are also available for enhanced functionality including mass notification, command and control.



Features

- **One-Way, Two-Way and Voice Options**
- **Four or Sixteen Supervised Initiation Circuits**
- **Prioritized Alarm & Trouble Messages**
- **Transmits 32 Different Event Types**

Options:

- **Serial Port for Data Communications with Intelligent Panels and Devices**
- **4 Command /Control Relays (Form C)**
- **Mass Notification**
- **Weatherproof Enclosure (NEMA 3R)**



Specifications

Listings:	FM Approved, NFPA 72, Chapters 26, 27
Zone Inputs:	4 or 16
Zone Display:	Alarm & Trouble per Zone
Serial Input:	RS-232 or RS-485, Full Data for Compatible Alarm Panels
	96 Zones, 32 Functions, 999 Devices per Zone
Metal Enclosure, Indoor:	NEMA 1, 14" h x 12" w x 6" d (35.5 x 30.5 x 15.2 cm)
Metal Enclosure Outdoor:	NEMA 3R, 21" h x 16" w x 9 7/16" d (53.3 x 40.6 x 24 cm)
Temperature Range:	-40°F to 150°F (-40°C to 65°C)
Output Relays Option:	4-Relay Module, Form C
	For Command & Control, Mass Notification, etc

Radio

Transmitter:	Narrowband FM Transmission
	1 Watt (72 - 76 MHz)
	4 Watts (138 - 170 MHz)

Radio Receiver Options:	Control Channel Receiver
	Voice Channel Receiver

Fiber-Optic Interface

Fiber:	62.5/125 Micron, Multi-Mode
Light Sources:	850 nm LED
Connectors:	ST Type

Power Supply

Primary Power:	120 / 240VAC, 50/60 Hz.
DC Power:	12VDC
Battery:	12 V, 7AH
Back Up:	Minimum 72 hours with fully configured system
	Up to 144 hours depending on configuration