

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 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. There is 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 TRX50-MNS Mass Notification System, the DTX can 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 3)**

Specifications

DTX Series Transceivers

Listings:	FM Approved, NFPA 72, Chapters 26 and 27
Zone Inputs:	4 or 16
Zone Display:	Alarm & Trouble per Zone
Serial Ports, up to 2:	• RS-232 or RS-485, Full Data for Compatible Alarm Panels 99 Loops, 32 Functions, 999 Devices per Loop (Contact SigCom for List of Compatible Alarm Panels) • RS-232 Control Link to Mass Notification System
Enclosure, Indoor:	Metal NEMA 1, 14"h x 12"w x 6"d (35.5 x 30.5 x 15.2 cm)
Enclosure, Indoor, Large:	Metal NEMA 1, 20"h x 16"w x 6.5"d (50.8x40.7x16.5 cm)
Enclosure Outdoor:	Metal NEMA 3R, 21"h x16"w x 9 7/16"d (53.3 x 40.6 x 24 cm)
Pull Station Option:	1 or 3 Buttons; Fire / Medical / Police (Customization available)
Temperature Range:	-40°F to 150°F (-40°C to 65°C)
Output Relays Option:	4-Relay Module, Form C, For Command & Control, etc

Solar Powered Option DTS Series, see separate data sheet

Radio

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

Radio Receiver Options: Control Channel Receiver
Voice Channel Receiver

Power Supply

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

DTX Options

Transmitter Frequency 72 - 76 MHz; 138 - 170 MHz
Box Size, Type Indoor NEMA1, standard or large size; or Outdoor NEMA 3R large
Number of Zones 4 or 16
Output Relays 0 or 4
2-Way Options: Control Channel Receiver; Voice Channel Receiver
Serial Ports 0, 1 or 2 ports

Antenna

#IK-A72, for 72-76 MHz. range
#IK-A _ _ _ _ _ ; *Contact SigCom for 138-170 MHz range

Installation Kit for Antenna

#IK-AW-18, Antenna Wall Mount Kit
#IK-AP-5, Antenna Pole Mount Kit
(order coax cable separately)

Ordering – Contact Sales@sigcom.com for quote

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