

## **Description**

The SigCom DTX2 series Radio Transmitter is a long-range radio communications device listed for use as a Public Fire Alarm Reporting system. It provides a versatile and cost-effective alarm reporting solution for transmitting Fire Alarm signals from protected premises to radio receiving equipment located at fire stations and dispatch centers. The DTX2 system connects to any listed fire alarm control panel through 16 programmable, supervised, normally open dry contacts.

When combined with SigCom's TRX50 System Processor and Radio receiver module, the DTX2 is Factory Mutual (FM) Approved as a Public Alarm Reporting System in accordance with NFPA 72 Chapter 27.

The DTX2 is available with 16 supervised, dry contact inputs for zone alarm reporting and/or other status reporting functions. There is an additional input used for external, user operated alarm activation. Optionally, the DTX2 can also interface with a serial port (RS-232 or RS-485) connection from a listed fire alarm control panel. Zone input circuits and external switch contacts can be assigned with up to 32 different event types.

The DTX2 Processor board includes an integrated set of Form C fault contacts. Both normally open and normally closed contact terminals are available for system fault monitoring by external devices.

The DTX2 Radio Box is available in a NEMA Type 1 enclosure for indoor installations.



## **Features**

- **Long Range Radio communications**
- **Sixteen Supervised Initiation Circuits**
- **Prioritized Alarm & Trouble Messages**
- **Transmits 32 Different Event Types**
- **FM Approved for Public Emergency Alarm Reporting per NFPA 72 Chapter 27**
- **UL Listed Type 1 enclosure**

## Specifications

## DTX2 Series Radio Transmitter

Listings:	FM Approved, NFPA 72, Chapter 27
Zone Inputs:	16 zones
Zone Display:	Alarm & Trouble per Zone
Serial Ports:	RS-232 or RS-485 with Compatible Fire Alarm Panels (Contact SigCom for List of Compatible Fire Alarm Panels)
Enclosure, Indoor:	Metal NEMA 1, 14”h x 12”w x 6”d (35.5 x 30.5 x 15.2 cm)
Operating Temperature Range:	-20°F to 140°F
Humidity:	90% RH @ 100°F
Output Relay:	Single Form C contacts Fault Relay
External Alarm inputs:	1 Input for External Manual Pull Station for Fire Alarm Activation
Radio Transmitter:	Narrowband FSK Transmission 1 Watt (72 - 76 MHz) 4 Watt (136-170 MHz)
Primary Power:	120 / 240VAC, 50/60 Hz.
DC Power:	12VDC
Secondary Back-Up Power:	12V, 7AH Battery
Back-Up Power Capacity:	Minimum 72 hours



*Sigcom DTX2*

Related equipment (sold separately, see your sales representative)

DCA, DCJ Retrofit Kits	Upgrade Older “A” and “J” boxes to current “DTX2” version. Contact SigCom for availability and specific models
Antenna	Part # IK-A72, for 72-76 MHz band Part # IK-A ___ for 136 – 170 MHz bands <i>SigCom will assign number to match your system</i>
Antenna Mounting Kit	Part # IK-AW-18, Antenna Wall Mount Kit Part # IK-AP-5, Antenna Pole Mount Kit (order coax cable separately)
Accessories	IK2-B16, DTX2 Installation Kit (includes 10K EOL Resistors)

Ordering – Contact [Sales@sigcom.com](mailto:Sales@sigcom.com) for quote

Model Number DTX2-L1R1-N1016

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