

DTM-4

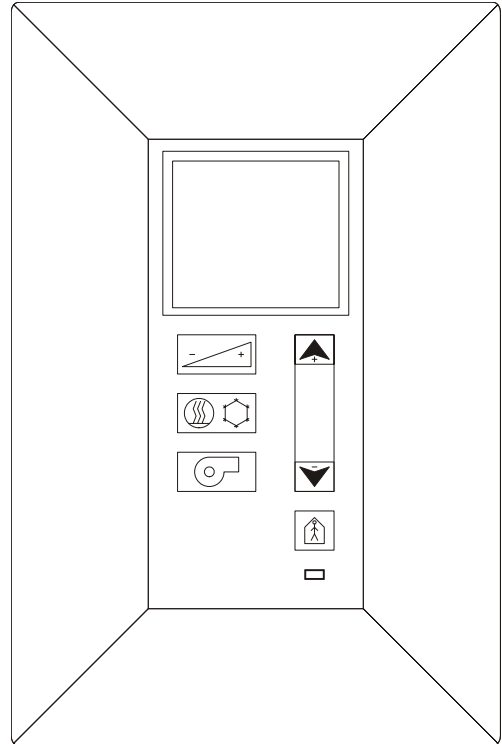
The iWorX DTM-4 is a digital thermostat module which measures room temperature and transmits temperature and other input information to an iWorX HVAC controller such as the FCU-1 and DXU-2.

Overview

The DTM-4 module measures room temperature and transmits the information to iWorX controllers via the Sensor Link (S-link) communications protocol. The DTM-4 uses the two-wire S-link network connection for both power and communication with the iWorX controller.

In addition to providing temperature readings to a controller, the module also displays current room temperature on its liquid crystal display (LCD). Additionally, the DTM-4's display shows fan status, heat/cool status, and occupancy status.

The front panel of the module also provides control buttons. An occupancy override button enables occupants to extend the occupied time for the area. Other controls enable occupants to adjust the temperature setpoint to a desired level and adjust fan operation.



Features

- Temperature sensing
- Occupancy override button
- Occupancy override LED indicator
- Setpoint adjustment controls
- Temperature display
- Fan override button
- Extended display with heat, cool, and fan status indicators
- Wiring terminals for local LONWORKS connection (Optional)



Innovex Technologies
511 Braddock Avenue
Turtle Creek, PA 15145
www.innovextechnologies.com

iWorX is a trademark of Innovex Technologies
LON, LONWORKS, & LONMARK are trademarks of Echelon Corporation

Specifications

Electrical

S-Link/U-Link

- Cabling: twisted shielded pair, 18 AWG recommended—200 feet max.
- 16 Volt DC max. CLASS 2

FTT-10A Network (Optional)

- Speed: 78 KBPS
- Cabling: Maximum node-to-node distance: 1312 feet (400 meters)
- Maximum total distance: 1640 feet (500 meters)

For detailed specifications, refer to the *FTT-10A Free-Topology Transceiver User's Guide* published by Echelon Corporation. For information on ordering Connect Air items, contact Connect Air International; 4240 B Street; Auburn, WA 98001 <www.connect-air.com>.

Table 1: Network Wire Specifications

| Cable Type | Pairs | Details | Connect Air Catalog No. |
|------------------------|-------|--------------------------------------|-------------------------|
| Level 4 22AWG (0.65mm) | 1 | Unshielded, Plenum, U.L. Type CMP | W221P-2001 |
| Level 4 22AWG (0.65mm) | 1 | Unshielded, Non-Plenum, U.L. Type CM | W221P-1002 |

Mechanical

Housing

- Dimensions: 4-21/32" high, 3" wide, 1" deep (118.5 mm high, 76.2 mm wide, 24 mm deep)

Environmental

- Temperature: 32 to 122 °F (0 to 50 °C)

Agency Listings

- UL 916
- FCC, Class B

Agency Compliances

- CE