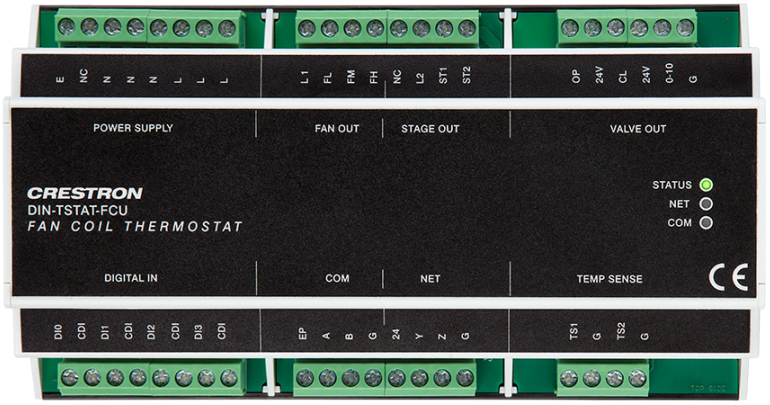
DIN-TSTAT-FCU

DIN Rail Heating & Cooling Fan-Coil Thermostat

- *Fan coil controller*
- *System integration via Cresnet® or RS-485*
- *Supports Cresnet, Modbus®, and BACnet™ protocols*
- *Fully programmable*
- *Configurable via a PC software application*
- *Standalone operation option*
- *35 mm DIN rail mountable*
- *230 Volts AC line powered*



The DIN-TSTAT-FCU is a fan coil unit (FCU) controller designed for use in two-pipe applications. It may be operated as a standalone controller or integrated with a home automation system or building management system (BMS). A Cresnet® port is provided for integration with a Crestron® control system or Crestron Pyng® system. An RS-485 port is also included for communication with Modbus® or BACnet™. Full programmability enables use in various types of applications beyond control of FCUs. Configuration is facilitated using a PC based software application.

Standard 35 mm DIN rail mounting allows the DIN-TSTAT-FCU to be installed in a DIN rail enclosure (Crestron DIN-EN series or similar). A 9M wide DIN rail is also included for alternate mounting applications. The unit is 230 Volts AC line powered.

SPECIFICATIONS

Measurement Range

Indoor Temperature: 0° to 100° C (32° to 212° F) in 0.1° increments

Communications

Cresnet: Cresnet slave mode
RS-485: Supports Modbus and BACnet protocols
USB: USB device (for setup)

Power Requirements

15 Watts maximum at 230 Volts AC +10%

Connections

POWER SUPPLY: (8) Captive screw terminals;
230 VAC line power input and earth ground

FAN OUT: (4) Captive screw terminals;
Comprises (3) 16 Amp relays for 3-speed fan control

STAGE OUT: (4) Captive screw terminals;
Comprises (2) 16 Amp relays for compressor/heater control

VALVE OUT: (6) Captive screw terminals;
Provides (1) Modulated OP-CL triac or 0-10 VDC for control of 24 VAC, 6 Watt valve

DIGITAL IN: (8) Captive screw terminals;
Comprises (4) potential-free binary inputs

COM: (4) Captive screw terminals;
Comprises (1) RS-485 communication and 15 VDC supply port

NET: (4) Captive screw terminals;
Cresnet slave port

TEMP SENSE: (4) Captive screw terminals;
Comprises (2) analog inputs for 20k Ohm NTC temperature probes

USB (behind cover): (1) Mini USB connector;
USB device port for programming and parametrization

Indicators

STATUS: (1) Green LED, indicates device status
NET: (1) Amber LED, indicates activity on the NET port
COM: (1) Amber LED, indicates activity on the COM port
Setup (behind cover): (1) Pushbutton for Cresnet TSID (touch-settable ID)

Construction

Housing: Plastic
Mounting: 35 mm DIN EN 60715 rail mount, DIN 43880 form factor for enclosures with 45 mm front panel cutout, occupies 9 DIN module spaces (162 mm)

Environmental

Temperature: -10° to 55° C (14° to 131° F)
Humidity: Up to 95% RH (non-condensing)
Protection Rating: IP20 per IEC 60529
For indoor use only

DIN-TSTAT-FCU DIN Rail Heating & Cooling Fan-Coil Thermostat

Dimensions

Height: 91 mm (3.59 in)
Width: 162 mm (6.37 in)
Depth: 61 mm (2.40 in)

Weight

460 g (16.3 oz)

MODELS & ACCESSORIES

Available Models

DIN-TSTAT-FCU: DIN Rail Heating & Cooling Fan-Coil Thermostat

Available Accessories

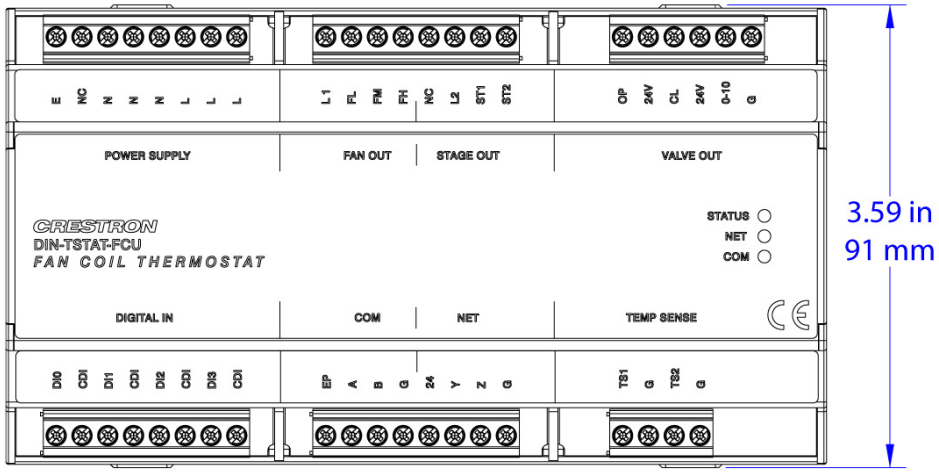
DIN-EN Series: Enclosures for DIN Rail Devices
DIN-AP3: DIN Rail 3-Series® Automation Processor
DIN-AP3MEX: DIN Rail 3-Series® Automation Processor w/infiNET EX® & ER Wireless Gateway
DIN-BLOCK: DIN Rail Cresnet® Distribution Block
DIN-CENCN-2: Ethernet to Cresnet® Bridge
DIN-CENCN-2-POE: Ethernet to Cresnet® Bridge w/PoE
DIN-HUB: DIN Rail Cresnet® Distribution Hub
CRESNET: Cresnet® Control Cable

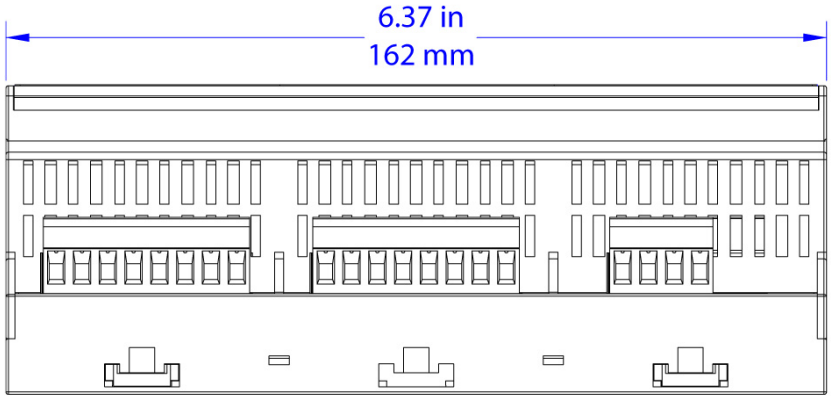
Notes:

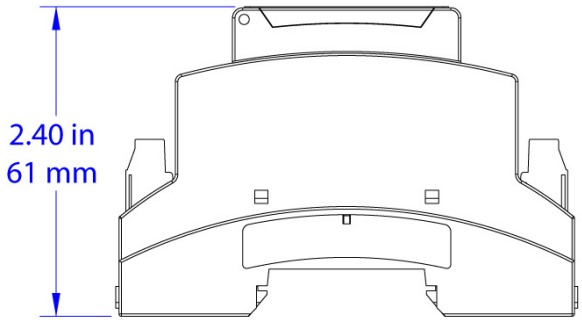
This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.







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Specifications subject to change without notice. Revised 06/16/17