

ModStat THERMOSTAT



SUBMITTAL



ModStat Thermostat *Communicating / Modulating Zone Thermostat*

DESCRIPTION

The **ModStat** thermostat is a microprocessor based, auto changeover, communicating zone thermostat. The ModStat controls modulating medium pressure and heavy duty dampers. The ModStat communicating zone thermostat is used with the *ModCom*, *ZonexCommander (Plus)* DDC systems and the System 2000 *GEN II* zoning system.

The ModStat thermostat communicates to the command centers or zone controller to initiate Heat or Cool calls in the system. Zone status and system operation are displayed on the large easy-to-read backlit LCD display.

The ModStat thermostat is easy to configure and make manual adjustments with the function buttons located on the front cover.

The space ambient temperature is continuously displayed with a range of 55° to 95° F. Programmed setpoints can be manually adjusted or electronically locked through the program to provide limited manual setpoint adjustment. Two-hour override is provided for after hours temporary operation, with a touch of a button. The thermostat can be easily field calibrated, if required.

The ModStat can be field configured for baseboard, panel and reheat operations, including Fan Powered Boxes. NOTE: an air proving switch must be used for this application; field supplied.

TECHNICAL DATA

Electrical:

Supply voltage: 24vac

Power consumption: 4 va maximum

Input:

- 24vac
- Platinum Thermistor

Outputs:

- RO RC Triacs - 24vac @ .3 amp max
- W1 Relay - 24vac @ 1.0 amp maximum

Communication: RS485

Twisted pair or shielded twisted pair

Environmental:

Operating Temperature: 35° to 130° F (2° to 54° C)

Operating Humidity: 5 to 95% non-condensing

Storage Temperature: 0° to 150° (-18° to 66° C)

General:

Dimensions: 4 ½" H x 2 7/8" W x 1" D

Temperature Display Range: 55° to 95° F

Accuracy: +/- 0.8° F

Memory: Non-volatile EEPROM

Display: Grey backlight LCD

Rev 5/22/14

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TERMINAL FUNCTIONS



24V Terminal Block

RO – Run Open, damper
RC – Run Close, damper
AUX – Reheat/AUX Heat Fan
R – 24vac power input
C-MC – 24vac common / damper common
(18 ga. Minimum wire size)

Communication Terminal Block

TX – Data Transmit
RX – Data Receive
TX – Data Transmit
RX – Data Receive
(Twisted pair or shielded twisted pair)

FEATURES

- Attractive compact design
- No batteries required
- Neutral off-white color
- Accurate temperature control
- Electronic lock
- Large display with grey backlight
- Function buttons on front cover
- Configurable Reheat and Auxiliary heat output

ACCESSORIES

<u>Part No.</u>	<u>Description</u>
ModStatRS	ModStat thermostat with remote sensor
ModStatC	For Celsius version add "C" to thermostat Part No.
WPLT	Wall Plate – when upgrading VVT and VVHC thermostats
RZKIT	Thermostat and actuator as a package for VVT, and other, upgrade.