



SUBMITTAL



ModStat / MODS2 Thermostats Communicating / Modulating / 2 Position Zone Thermostat

DESCRIPTION

The **ModStat** and **MODS2** are microprocessor based, auto changeover, communicating zone thermostats. The ModStats control modulating medium pressure and heavy duty dampers, and the MODS2 controls 2-position, low pressure dampers. These communicating zone thermostats are used with the *ModCom*, *Zonex Commander (Plus)* DDC systems, and the System 2000 *GEN II* zoning system.

ModStat / MODS2 thermostats communicate 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 backlight LCD display.

The ModStat / MODS2 thermostats are 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 W2 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

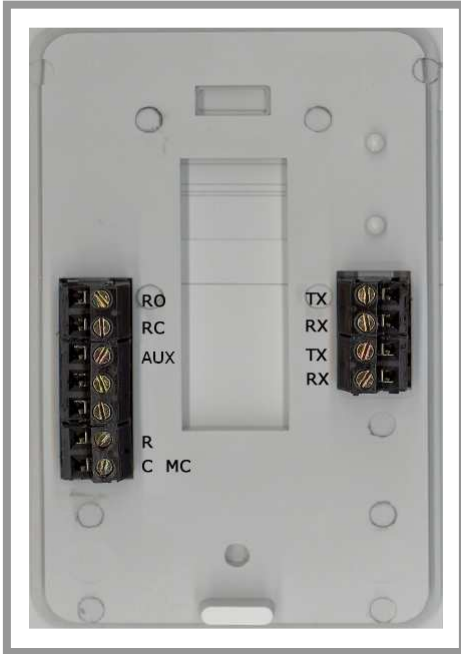
Accuracy: +/- 0.8°F

Memory: Non-volatile EEPROM

Display: Grey backlight LCD

ModStat / MODS2 THERMOSTATS

TERMINAL FUNCTIONS



24V Terminal Block

RO – Run Open, damper (not used for MODS2)
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
- ModStat to control power open/close dampers
- MODS2 to control power close/spring open dampers

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.