



MCS-THERMOSTAT

Description & Specifications



Part # **MCS-THERMOSTAT**

Description

The **MCS-THERMOSTAT** is a temperature and humidity sensing smart device with a backlit LCD display permitting remote adjustments to the MCS controller.

This user friendly interface allows the viewing of 17 different parameters and has the ability to change 9 adjustable settings including cooling & heating system setpoints, operational schedules, holiday schedules, calibration and password protection.

The MCS-THERMOSTAT is powered from the MCS controller's +5vdc supply via a 4 wire connection that can be wired with the communication network cabling in addition.

The MCS-THERMOSTAT screen displays seven icons reporting operational mode and status at a glance. These include alarm conditions that will be displayed on the LCD display using a on-screen icon along with an audible alarm. The alarm condition can be silenced and reset from the MCS-THERMOSTAT, avoiding the need to visit the MCS controller.

A menu selection permits the viewing the last alarm condition. An override switch mounted on the left side of the MCS-THERMOSTAT permits temporary occupied operation of the space during an unoccupied period.

The override switch also allows the user to reset lockout alarms.

Specifications

Dimensions.....	3.87"w, 5.50"h, 1.25"d
Mounting	Wall mount using a junction box (Universal-USA & International style boxes)
Temperature Sensor	+32°F to +158°F (0°C to +70°C)
Temperature Accuracy.....	±0.36°F (±0.2°C)
Humidity Operating Range...	0-100% RH
Humidity Accuracy	±3% RH, 10-90% RH @ 25° non-condensing
Humidity Stability.....	± 1.2% RH typical at 50% RH in 5 years.
Repeatability.....	±0.5% RH
Operating Temperature.....	-32°F to +158°F (-0°C to +70°C)
Storage Temperature.....	-4°F to +158°F (-20°C to +70°C)
Microprocessor	Microchip 16-bit PIC processor
Printed Circuit Board	Four layer with separate power and ground planes
Input Power (Standard)	5vdc ±10% powered by MCS controller
MCS-I/O Comm Port	RS485 at 38,400 baud. Communicates with MCS Controllers via the two wire MCS I/O network Using MCS Protocol
Remote Adjustment	Local interface in the room with A/C system on the roof
Keypad Layout.....	4 keys (Menu, Up, Down, & Enter)
Override Switch.....	Permits temporary override of occupied scheduled time period and silence/reset of alarms

NOTE: Requires a configuration file for an MCS-CONTROLLER
Consult MCS-SALES

Packaging

18-8 stainless steel Truss Head phillips machine screw, 6-32 Thread, 3/4" Length (2)	
Weight	.29 lbs
Box	6.25" x 4.25" x 2.25"

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