



# 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

### 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

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.