MICRO CONTROL SYSTEMS

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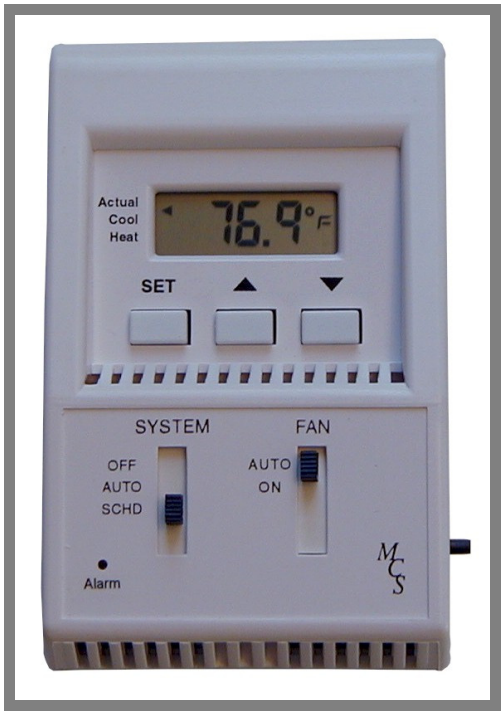
The MCS-STAT Specifications & Description

Physical Characteristics

Temperature specifications	32°F to 99°F ±0.1°F
Humidity specifications	0 to 100% RH ±2%
Package Dimensions	
Width	3.12”
Height	4.95”
Depth	1.22”
Color	White
Material	Plastic shell
Display	4 digit LCD w/special characters
Buttons	Set, Increase (▲) Decrease (▼) & Override
Switches	System & Fan
Alarms	Piezo Horn & Red LED
Communications	38,400 baud (MCS-8) 4,800 baud (MCS-6)
Power	20ma @ 12vdc



Part # **MCS-STAT**

Options

-HUMD .....Add humidity capability

Product Description

A high speed communicating thermostat that allows the user to view temperature, humidity (optional), change cooling and heating setpoints as well as control both system and fan operation.

The sensors are extremely reliable and are packaged in a very durable aesthetic plastic package. Accuracy of the temperature sensor is ±0.1°F between 32°F and 99°F. Accuracy of the humidity sensor is ±2% between 0 and 100% RH.

The unit provides a LCD display showing actual temperature as the default. The temperature reading is updated every second. The display arrow will be pointing to Actual. If an optional Humidity sensor was installed the humidity reading will be displayed if either arrow button is pressed. Pressing either arrow button again returns you to the temperature display.

By pressing the **SET** button the display arrow moves to the cool setpoint. The thermostat will now display the cooling setpoint. Using the increase and decrease arrows allows the user to change the setpoint within the range allowed by the MCS-8 micro controller. Pressing the **SET** button again moves the arrow to the heat setpoint.

A **SYSTEM** slide switch provides for setting the unit to **OFF**, **AUTO** or **SCHD**. When in **AUTO** the schedule is ignored.

A **FAN** slide switch provides for setting of the fan to **AUTO** or **ON**.

Communication occurs once per second at 38,400 baud with the MCS-8 micro controller or 4,800 baud with the MCS-6 micro controller. All data is error checked. A LED flashes to indicate communication with the micro controller. If communications fails to occur the LCD will flash the current temperature. Up to four communicating thermostats may be connected to one MCS-8 unit.