



Dual Display



Single Display

## DESCRIPTION

The Model SRMD is a bright, attractive LCD display that provides a clear and remote view of real-time "at a glance" room conditions, ensuring effective environment control management.

CE-compliant, the SRMD accepts 0 to 5 and 0 to 10 VDC analog signals from virtually any sensing technology including temperature, humidity, CO<sub>2</sub>, pressure, and others. Adjustable zero and span capabilities make it easy for the user to calibrate readings. Units are available with either a single or dual 1-inch, 3.5 digit LCD display and choice of red, blue or green backlight for easy viewing from across a room. These units are also wipedown capable requiring no special maintenance. The SRMD is easy to install, only requiring a standard 4-11/16 electrical box.

This unit is also designed for direct compatibility with Setra's Relative Humidity (SRH) sensors with temperature output. Units may be ordered and shipped as a factory calibrated bundle along with the SRMD for faster installation and commissioning.

## FEATURES

- Highly Visible 1" LCD Display
- Single LCD Display or Dual LCD Display Model
- Flush Mount Design
- Wipe Down Capable
- Available in Red, Green or Blue LCD Backlight
- Mount in Standard 4-11/16" sq. Electrical Box
- Compatible with Any Analog Sensor with 0-5VDC or 0-10VDC output
- CE Compliant

## APPLICATIONS

- Surgical Suites
- Intensive Care Isolation Rooms
- Pharmacology
- Research Laboratories
- Pharmaceutical Manufacturing
- Clean Rooms
- Biological Safety Lab
- Animal Research - Vivarium
- Organic Laboratory

## SPECIFICATIONS

### Physical Description

Flush Mount Bezel	Fire Retardant Plastic UL94V-0
Bezel Dimensions	Dual Display Model - 5.9" H x 5.9" W
LCD Assembly Dimension	1.89" H x 3.78" W x 1.5" D
Shipping Weight (Approx.)	Single Display Model - 10 oz. (554 g) Dual Display Model - 13oz (369 g)
Mounting	Standard 4-11/16 Double Gang Electrical Box

### Environmental Data

Temperature	
Operating °F (°C)	14 to +122 °F (-10 to +50°C)
Storage °F (°C)	-40 to +167 °F (-40 to +75°C)
Operating Humidity	5 to 95% RH (Non-condensing)

### Certifications

CE	Conforms to European Directive
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### Display

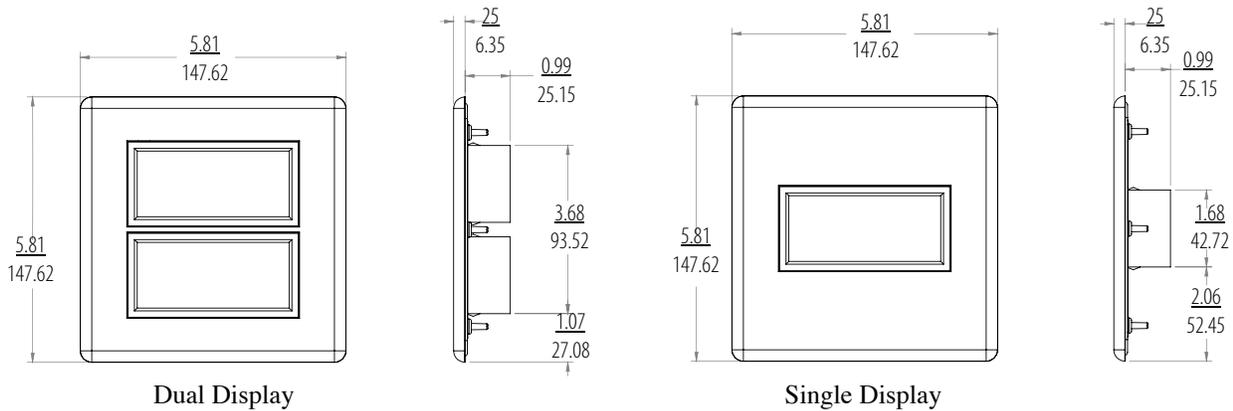
LCD	Available in Red, Green or Blue Backlight 1" high 3.5 digit (±1999 counts)
Engineering Unit Labels	Jumper Selectable °F, °C, %, PSI, PPM, "WC
Decimal Point	Jumper Selectable

### Electrical Data (Voltage)

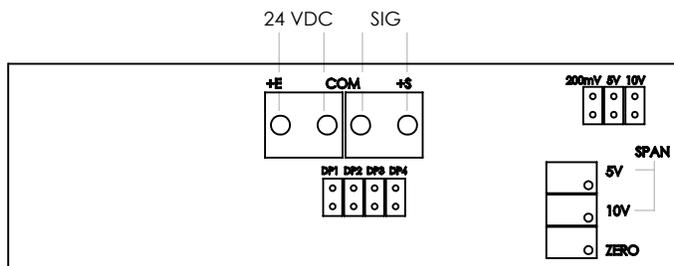
Power Input	15-32VDC or 24VAC
Current Consumption	50mA max (per display)
Analog Signal Input	Jumper Selectable 0-5 VDC or 0-10 VDC
Adjustments	Wide Adjustable Zero and Span by 25-Turn Pots.
Accuracy	+/-1% FS +/- 2 Counts
Input Impedance	Greater than 300K ohms
Sampling Rate	3 Readings per Second
Connection	Screw Terminals

Specifications subject to change without notice.

## DIMENSIONS



## INSTALLATION



### Wiring

- +E** DC Power Supply or one of the AC Power Supply wires
- COM** DC Power Supply Common or one of the AC Power Supply wires
- +S** Signal input Positive from Sensor
- COM** Signal input Common from sensor

Note: 4 - 11/16" sq. standard electrical box required for installation, not included.

### Calibration

1. Set voltage input full-scale range jumper in 5V or 10V position (200 mV is not used)
2. Set decimal point location jumper as required (default DP1 has jumper for one decimal point)
3. Apply "zero" signal and adjust ZERO pot for desired "ZERO" display reading
4. Apply "full scale" signal and adjust 5V or 10V SPAN pot for desired "Full-Scale" display reading

## ORDERING INFORMATION

**S R M D** - [ ] - [ ] - [ ] - [ ] - [ ] - **N** - **N**

**Single Display** Example: SRMDSWRTW = SRMD single display, white bezel, red display, temperature, with SRH wall mount sensor.

Model	Display Bezel Color	Display Color	Measurement Parameter	Sensor Option
SRMD=SRMD	SW White Bezel	R Red	N None	N None
	SM Metallic Bezel	G Green	T Temp. (14 to 140°F)	W SRH Wall Mount <sup>1</sup> SRH12PW2CT5N
		B Blue	H Humidity (0.0 to 100.0% RH)	D SRH Duct Mount <sup>1</sup> SRH12PD2CT5N

1. Both the SRH Wall Mount (W) and Duct Mount (D) relative humidity sensors are available as an option when selecting either option T (Temperature) or H (Humidity).  
 Note: Setra's SRH relative humidity sensors contain a humidity and temperature output.

2. Dual display units configured with a SRH humidity / temperature sensor cannot be ordered with temperature on top and bottom (Code TT) or with humidity on top and bottom (Code HH).

**S R M D** - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

**Dual Display** Example: SRMDMRTGHD = SRMD dual display, metallic bezel, red display on top, temperature, green display on bottom, humidity, with SRH duct mount sensor.

Model	Display Bezel Color	Display Color (Top)	Measurement Parameter (Top Display)	Sensor Option	Display Color (Bottom)	Measurement Parameter (Bottom Display)
SRMD=SRMD	DW White Bezel	R Red	N None	N None	R Red	N None
	DM Metallic Bezel	G Green	T Temp. (14 to 140°F) <sup>2</sup>	W SRH Wall Mount <sup>1</sup> SRH12PW2CT5N	G Green	T Temp. (14 to 140°F) <sup>2</sup>
		B Blue	H Humidity (0.0 to 100.0% RH) <sup>2</sup>	D SRH Duct Mount <sup>1</sup> SRH12PD2CT5N	B Blue	H Humidity (0.0 to 100.0%RH) <sup>2</sup>