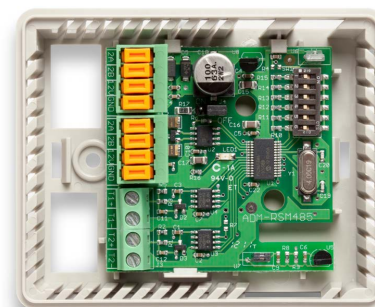




Remote Sensor Module

RSM

The GridPoint Remote Sensor Module (RSM) monitors external temperature sensors and internal temperature, light and humidity readings from remote locations within a facility, capturing comprehensive environmental data in a single device.



Features and Specifications

	Microprocessor-controlled	
General	Operating power	<ul style="list-style-type: none"> • 12V DC • Over-voltage protected • Reverse-polarity protected
	Operating range	<ul style="list-style-type: none"> • Temperature:-25 °C to +70 °C • Relative humidity (non-condensing):0% to 95%
Measurements	Offboard temperature sensors	<ul style="list-style-type: none"> • Two thermistor inputs • Accurate to ±1°F • ESD protected
Communication interface	Half duplex RS485	<ul style="list-style-type: none"> • Modbus RTU protocol • Slave device • Over-voltage protection • ESD protection • Over-current protection
Switches / Connections	Addressing / Control	<ul style="list-style-type: none"> • 6 DIP style switches • 2 switches allow for four possible addresses • 4 switches used for control / monitoring <ul style="list-style-type: none"> - Control by onboard temperature - Control by offboard thermistor 1 - Control by offboard thermistor 2 - Control by humidity sensor <p><i>(Control by multiple sensors results in control by the average values returned from those selected sensors)</i></p>
	Power / Communications	<ul style="list-style-type: none"> • Power and ground into and out of RSM • RS485 communications into and out of RSM
	Offboard thermistors	<ul style="list-style-type: none"> • Thermistor 1, 2 positions • Thermistor 2, 2 positions
Mechanical	Enclosure dimensions	3.0" H x 3.5" W x 1.3" D
	Enclosure material	Molded ABS plastic