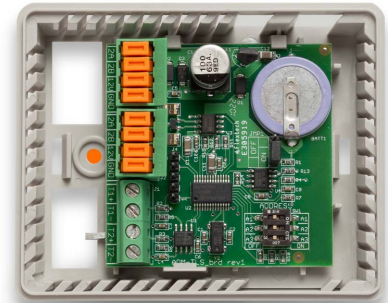




Temperature Logging Sensor

TLS

The GridPoint Temperature Logging Sensor (TLS) captures temperature values during power outages for applications such as food storage, pharmaceutical inventory and other climate controlled environments, preventing unnecessary loss of inventory by providing visibility into the extent of exposure to unsafe temperatures.



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	2-Wire RS485	<ul style="list-style-type: none"> • Modbus RTU protocol • 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