

Applications

Pair with RLE's 1-wire temperature and temperature/humidity sensors to monitor for climate changes and hotspots in your facility, and integrate these sensor readings directly into a BMS or BAS.

Key Features

- o No user interface or separate software required - integrates directly with existing BMS and alarm monitoring systems
- o Enclosure mounts in a panel, on a DIN rail, or on a wall
- o Reports the status of up to eight 1-wire sensors



Plug-and-Play Temperature and Humidity Monitoring

The BMS-1WIRE provides true plug-and-play temperature and humidity monitoring that integrates directly via protocols into any building management system (BMS) or alarm monitoring system.

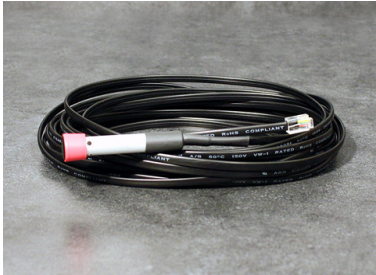
What Sets The BMS-1WIRE Apart?

- o **Designed specifically for system integration**, the BMS-1WIRE leverages robust protocol communications to communicate with any Modbus RTU or BACnet MS/TP system.
- o **Notifies users quickly when an alarm condition is met.**
- o **Plug and play** environmental monitoring for up to eight temperature or temperature/humidity sensors.

BMS-1WIRE • Integrates with any alarm monitoring system, including RLE's FMS

Product Codes	
BMS-1WIRE	Monitoring appliance for Modbus RTU and BACnet MS/TP integration applications; 8 DI; hardwired 24VDC or optional PSWA-DC-24-ST
PSWA-DC-24-ST	Power adapter; isolated 100-240VAC to 24VDC, 50/60Hz, w/ stripped and tinned ends, includes type A blade
1WIRE-TS	1-wire temperature sensor; 25ft leader cable with RJ-11 connector
1WIRE-THS	1-wire temperature and humidity sensor; 25ft leader cable with RJ-11 connector

Related Items:



Temperature Sensor 1WIRE-TS



Temp/Humidity Sensor 1WIRE-THS

Technical Specifications	
Power	Hardwired 24VDC, 500mA or RLE power supply PSWA-DC-24-ST (optional; not included)
Included Equipment	BMS-1WIRE, DIN rail mount adapter
Required Accessories	1-wire sensors
Wired Inputs	8 1-wire digital temperature or 1-wire digital temperature/humidity sensor inputs; plug-and-play
Communications Ports EIA-232 EIA-485	USB Connector; 115200 Baud, 8 data bits, no parity, 1 stop bit 9600, 19200, 38400 or 76800 baud (selectable); Parity: None, 8 data bits 1 stop bit
Protocols Modbus RTU (EIA-485) BACnet MS/TP (EIA-485)	Slave RTU mode, supports function code 03
External Interface Push Button LED Indicators DIP Switches	Factory reset Power/Status - 1 tricolor; Sensor activity indicator - 1 per sensor, up to 8 total SW 1 - Device configuration; SW 2 - Modbus/Bacnet device ID
Operating Environment Temperature Humidity	32°F to 122°F (0°C to 50°C) 5% to 95% RH, non-condensing
Dimensions	5.25"W x 6.0"H x 1.75"D (133mmW x 152mmH x 44.5mmD)
Weight	8.0 oz. (228g)
Mounting	Wall mount (keyhole, zip tie, or screw holes); DIN rail mount
Certifications	CE; ETL listed: conforms to UL 61010-1, IEC 61010; EN 60601-1; CSA C22.2 NO. 61010-1; IEC 55011; CISPR16; RoHS compliant.

