BMS-1WIRE

Facility Monitoring

1-WIRE MONITORING FOR SYSTEM INTEGRATION

01

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.

02

KEY FEATURES:

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

03

WHAT SETS RLE'S BMS-1WIRE APART?

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

https://parametersystems.com 970-232-3946 Sales@rletech.com

V05.21

04

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.

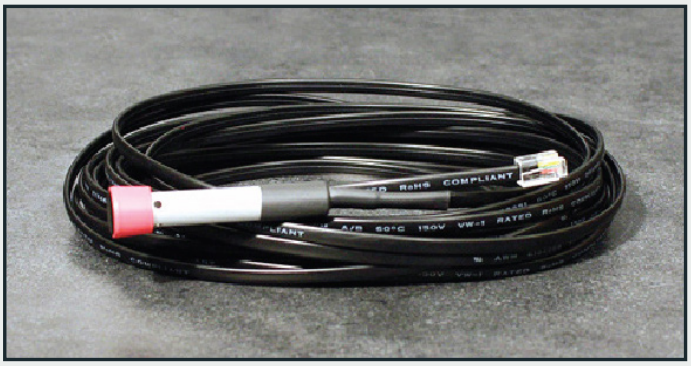
05

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; isolated100-240VAC 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

06

RELATED ITEMS:



Temperature Sensor 1WIRE-TS

Temp/Humidity Sensor 1WIRE-THS

07 Technical Specifications

Power	-40°F to 257°F (-40°C to 125°C)
Included Equipment	5% to 90% RH, non-condensing
Required Accessories	+/- 0.36°F (0.2°C) +/- 2% RH
Wired Inputs	RJ11
Communications Ports EIA-232 EIA-485	 25’ (7.6m) leader cable included. Leader cable is extendable up to 100’ with addition of up to 75’ of standard RJ11 cable.
Protocols Modbus RTU (EIA-485) BACnet MS/TP (EIA-485)	Server RTU mode, supports function code 03
External Interface Push Button LED Indicators	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.