



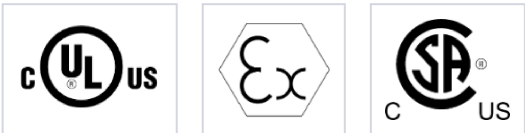
# DX80DR9M-H12E

## MULTIHOP MODBUS I/O DATA RADIOS



MultiHop 900 MHz 1 W IP65  
Internal Battery External Antenna RS485  
Inputs: 2 Discrete 2 Analog 1 Thermistor 2 SDI-12  
Outputs: 2 Discrete  
Part Number: 19984

### CERTIFICATIONS



### SPECIFICATIONS

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Housing Style               | Integrated Battery                            |
| Device Type                 | Multihop                                      |
| Input/Output                | Analog & Discrete                             |
| Analog Inputs               | Yes                                           |
| Discrete Inputs             | Yes                                           |
| Discrete Outputs            | Yes                                           |
| Input Details               | 2 Discrete, 2 0-20 mA, 1 Thermistor, 2 SDI-12 |
| Output Details              | 2 NMOS Discrete                               |
| Power Supply                | D-Cell Lithium                                |
| Environmental Rating (IP)   | IP65                                          |
| Environmental Rating (NEMA) | NEMA 4x                                       |
|                             |                                               |

|                                                    |                                         |
|----------------------------------------------------|-----------------------------------------|
| <b>Hazardous/Intrinsically Safe Classification</b> | Class I, Division 2/Zone 2; ATEX Zone 2 |
| <b>LCD Display</b>                                 | Yes                                     |
| <b>Max Operating Temperature ( °C)</b>             | 65                                      |
| <b>Min Operating Temperature ( °C)</b>             | -20                                     |
| <b>Relative Humidity</b>                           | 95%                                     |
| <b>Point-to-Multipoint Topology</b>                | Yes                                     |
| <b>Point-to-Point Topology</b>                     | Yes                                     |
| <b>Star Topology</b>                               | Yes                                     |
| <b>Tree Topology</b>                               | Yes                                     |
| <b>Feature: Hazardous Area</b>                     | Yes                                     |
| <b>Application: Temperature Input</b>              | Yes                                     |
| <b>EtherNet/IP</b>                                 | No                                      |
| <b>Modbus RTU</b>                                  | Yes                                     |
| <b>Modbus/TCP</b>                                  | No                                      |
| <b>RS-232</b>                                      | No                                      |
| <b>RS-485</b>                                      | Yes                                     |
| <b>Wireless</b>                                    | Yes                                     |
| <b>Wireless Radio Frequency</b>                    | 900 MHz                                 |
| <b>1-wire Serial Interface</b>                     | No                                      |
| <b>Application: Soil Moisture Monitoring</b>       | Yes                                     |
| <b>Ships With Battery</b>                          | Yes                                     |

## RECOMMENDED PRODUCTS

## ACCESSORIES

|                                                                                     |                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>BWA-THERMISTOR-PROBE-001</b></p> <p>Temperature sensor with thermistor PS103G2; Operating Temperature Range -20 C to +105 C; Maximum Power Rating 30 mW; Accuracy +/- 0.2%; Plated Nickel Finish.</p> |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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