



# DX80DR9M-H1C

## MULTIHOP MODBUS I/O DATA RADIOS



MultiHop 900 MHz 1 W IP20  
FlexPower External Antenna RS485  
Inputs: 4 Discrete 2 Analog 1 Thermistor 1 Counter  
Outputs: 2 Discrete  
External Terminals  
Part Number: 18492

### CERTIFICATIONS



### SPECIFICATIONS

|                  |                                                |
|------------------|------------------------------------------------|
| Housing Style    | External Terminals                             |
| Device Type      | Multihop                                       |
| Input/Output     | Analog & Discrete                              |
| Analog Inputs    | Yes                                            |
| Discrete Inputs  | Yes                                            |
| Discrete Outputs | Yes                                            |
| Input Details    | 4 Discrete, 2 0-20 mA, 1 Thermistor, 1 counter |
| Output Details   | 2 NMOS Discrete                                |
| Power Supply     | 10-30V dc                                      |
|                  |                                                |

|                                                    |                                         |
|----------------------------------------------------|-----------------------------------------|
| <b>Environmental Rating (IP)</b>                   | IP20                                    |
| <b>Environmental Rating (NEMA)</b>                 | NEMA 1                                  |
| <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>             | 80                                      |
| <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: Object Counting</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>Ships With Battery</b>                          | No                                      |

## RECOMMENDED PRODUCTS

## ACCESSORIES

**BWA-THERMISTOR-PROBE-001**

Temperature sensor with thermistor PS103G2; Operating Temperature Range -20 C to +105 C;  
Maximum Power Rating 30 mW; Accuracy +/- 0.2%; Plated Nickel Finish.



Banner Engineering Corp. | 9714 Tenth Avenue North | Minneapolis, MN 55441 | United States of America