

Sure Cross® Product Model Keys

The following model numbers are for the standard Sure Cross® product models. Custom products are available and are designated with a 6-digit number following the standard model number, such as **DXM700-B1R1-123456**. For more information about ordering a product customized for your specific needs, contact Banner Engineering Corp.

DXM Models

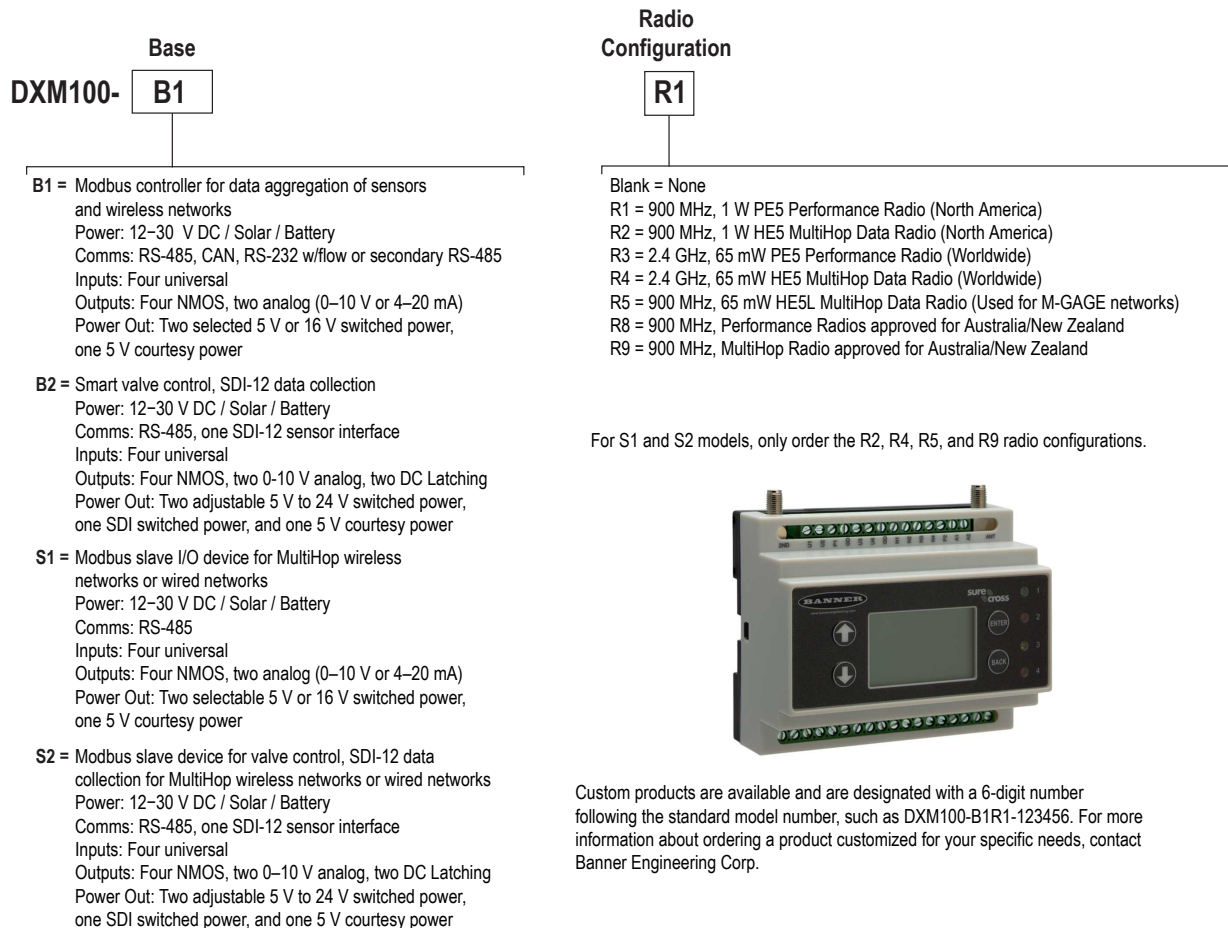
Cellular Communication

DXM Controllers accept Banner LTE cellular modems only.

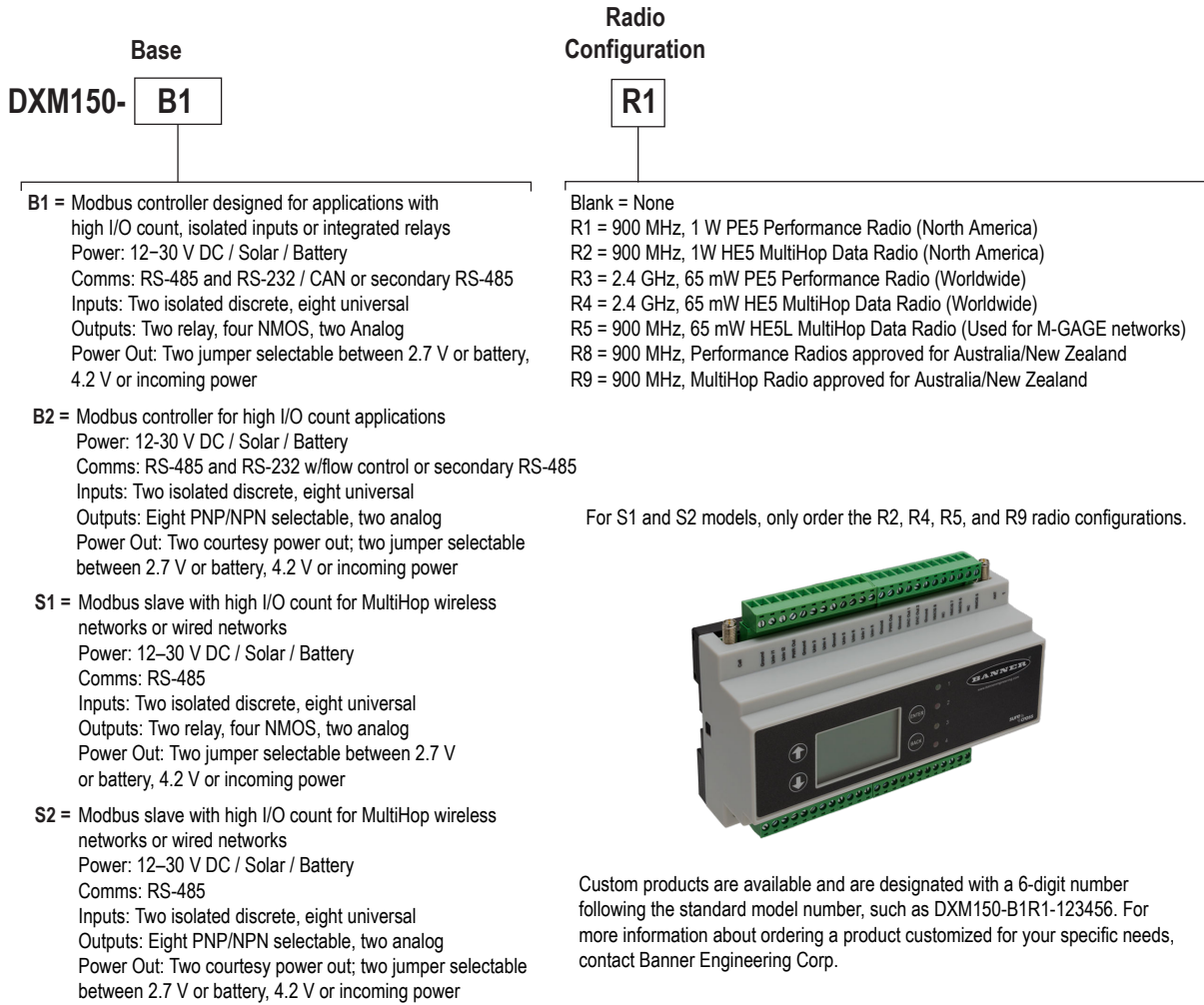
Order cellular modems separately as accessories under the following part numbers:

- **SXI-LTE-001**—Verizon LTE
- **SXI-CATM1VZW-001**—Verizon LTE Cat-M1
- **SXI-CATM1ATT-001**—AT&T LTE Cat-M1

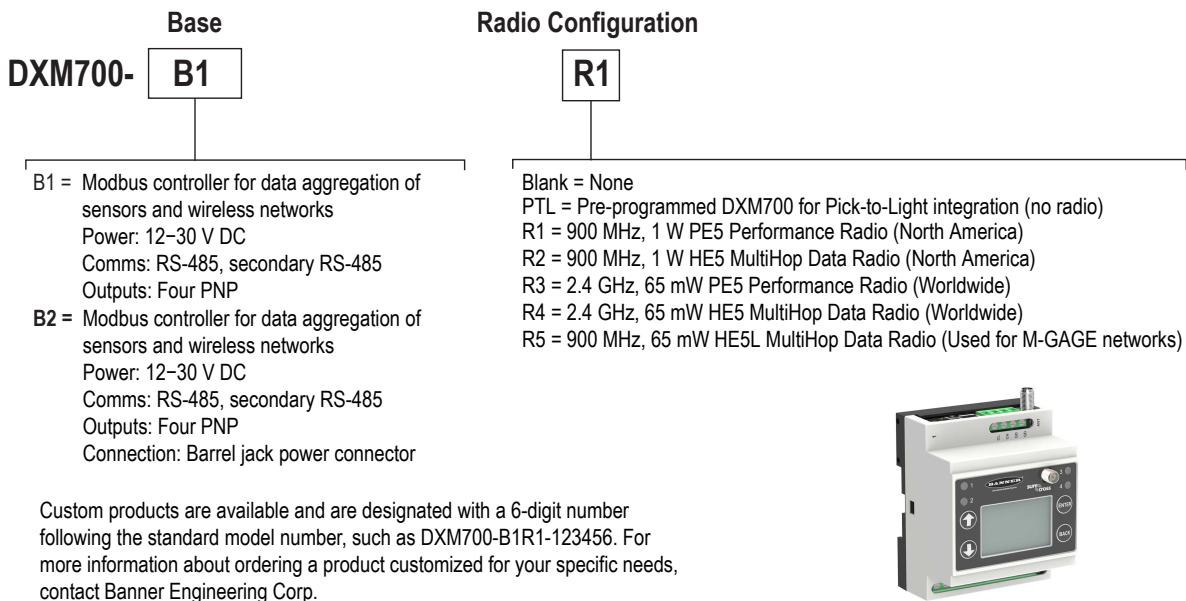
DXM100 Models



DXM150 Models



DXM700 Models



DXM1000 Models

Base
DXM1000- **B1**

- B1 = Modbus controller for data aggregation of sensors and wireless networks
 Power: 12-30 V DC / Solar / Battery
 Comms: RS-485, CAN, RS-232 w/flow or secondary RS-485
 Inputs: Four universal
 Outputs: Four NMOS, two analog (0-10 V or 4-20 mA)
 Power Out: Two selected 5 V or 16 V switched power, one 5 V courtesy power
- B2 = Smart valve control, SDI-12 data collection
 Power: 12-30 V DC / Solar / Battery
 Comms: RS-485, one SDI-12 sensor interface
 Inputs: Four universal
 Outputs: Four NMOS, two 0-10 V analog, two DC Latching
 Power Out: Two adjustable 5 V to 24 V switched power, one SDI switched power, and one 5 V courtesy power

Custom products are available and are designated with a 6-digit number following the standard model number, such as DXM1000-B1R1-123456. For more information about ordering a product customized for your specific needs, contact Banner Engineering Corp.

Radio Configuration
R1

- Blank = None
 R1 = 900 MHz, 1 W PE5 Performance Radio (North America)
 R2 = 900 MHz, 1 W HE5 MultiHop Data Radio (North America)
 R3 = 2.4 GHz, 65 mW PE5 Performance Radio (Worldwide)
 R4 = 2.4 GHz, 65 mW HE5 MultiHop Data Radio (Worldwide)
 R5 = 900 MHz, 65 mW HE5L MultiHop Data Radio (Used for M-GAGE networks)
 R8 = 900 MHz, Performance Radios approved for Australia/New Zealand
 R9 = 900 MHz, MultiHop Radio approved for Australia/New Zealand



DXM1200 Models

Base
DXM1200 -

- Blank = Low profile housing
 One 4-pin M8 Ethernet connector
 One 5-pin M12 power and RS-485 connector
- E = Extended housing
 One 4-pin M12 D Code Ethernet connector
 One 5-pin M12 power and RS-485 connector
 Two 5-pin M12 RS-485 connectors



DXM1200-B1

Base
B1

- B1 = Modbus controller for data aggregation of sensors and wireless networks
 Power: 12-30 V DC
 Comms: RS-485

Custom products are available and are designated with a 6-digit number following the standard model number, such as DXM1200-B1R1-123456. For more information about ordering a product customized for your specific needs, contact Banner Engineering Corp.

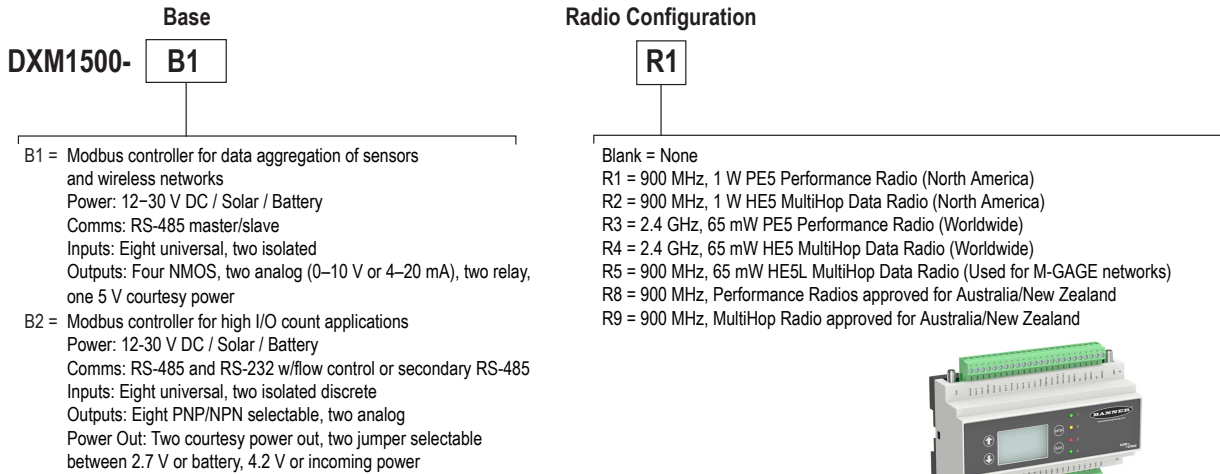
Radio Configuration
R1

- Blank = None
 R1 = 900 MHz, 1 W PE5 Performance Radio (North America)
 R2 = 900 MHz, 1 W HE5 MultiHop Data Radio (North America)
 R3 = 2.4 GHz, 65 mW PE5 Performance Radio (Worldwide)
 R4 = 2.4 GHz, 65 mW HE5 MultiHop Data Radio (Worldwide)



DXM1200E-B1

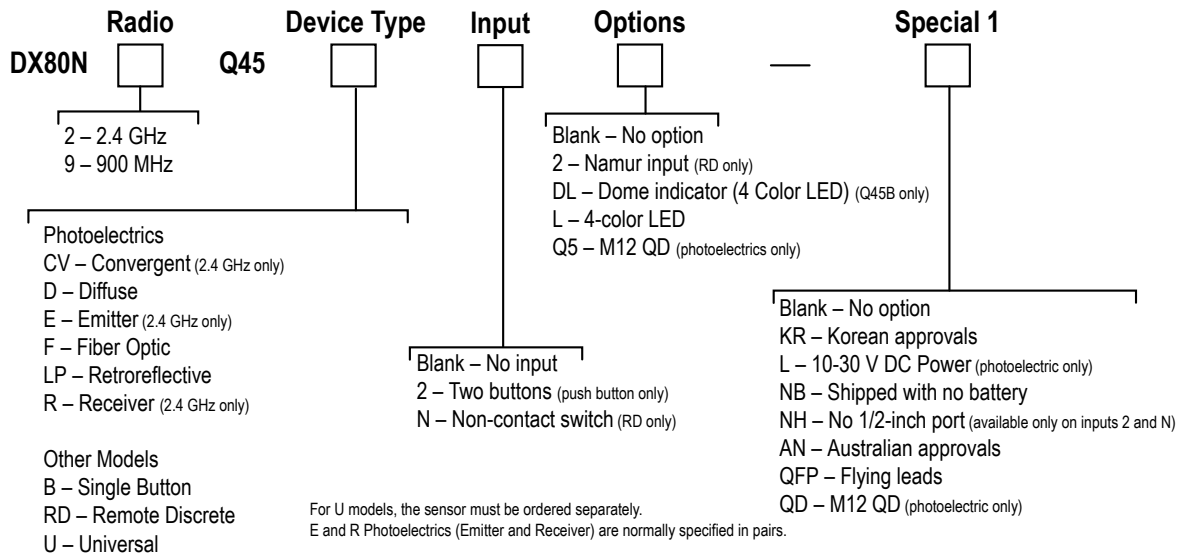
DXM1500 Models



Custom products are available and are designated with a 6-digit number following the standard model number, such as DXM1500-B1R1-123456. For more information about ordering a product customized for your specific needs, contact Banner Engineering Corp.

Wireless Q45 Sensor Nodes

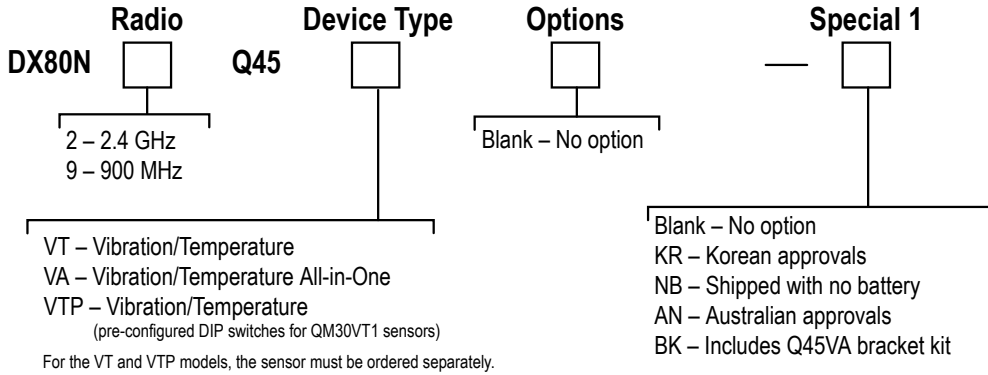
Wireless Q45 Photoelectric Sensor Nodes



For U models, the sensor must be ordered separately.
 E and R Photoelectrics (Emitter and Receiver) are normally specified in pairs.

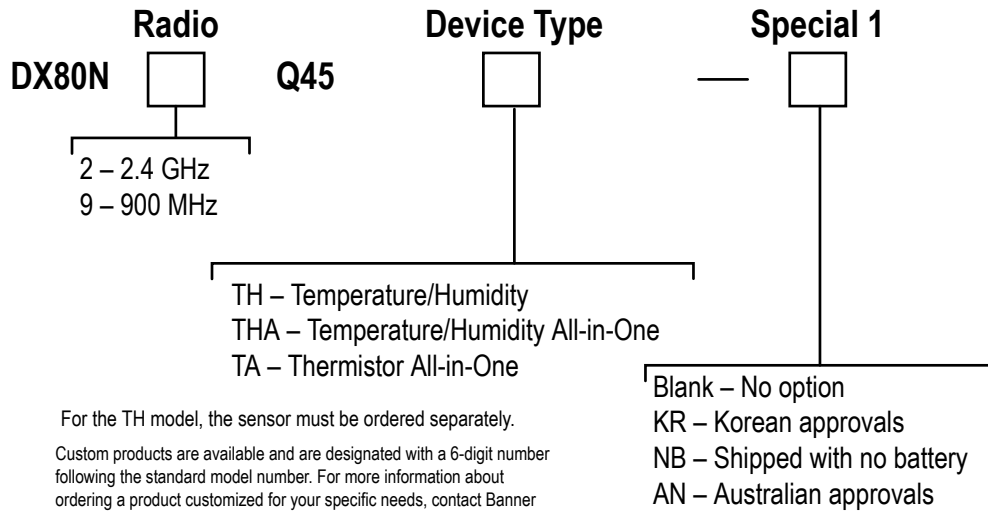
Custom products are available and are designated with a 6-digit number following the standard model number. For more information about ordering a product customized for your specific needs, contact Banner Engineering Corp.

Wireless Q45Vxx Vibration Monitoring Sensor Nodes



Custom products are available and are designated with a 6-digit number following the standard model number. For more information about ordering a product customized for your specific needs, contact Banner Engineering Corp.

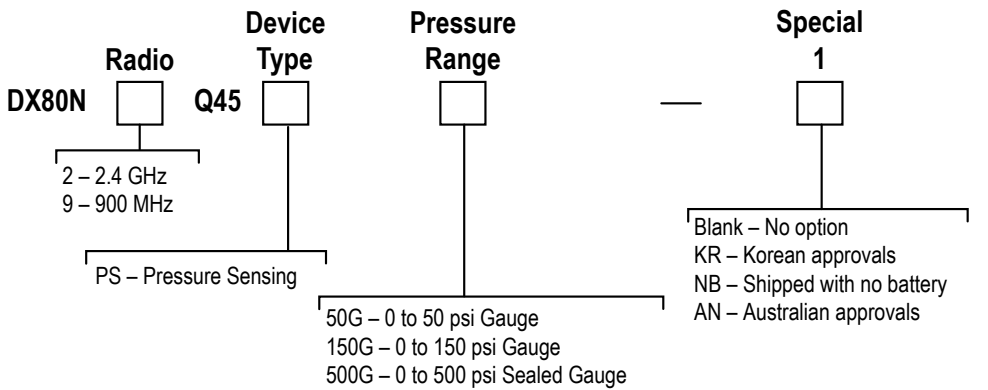
Wireless Q45Txx Temperature Monitoring Sensor Nodes



For the TH model, the sensor must be ordered separately.

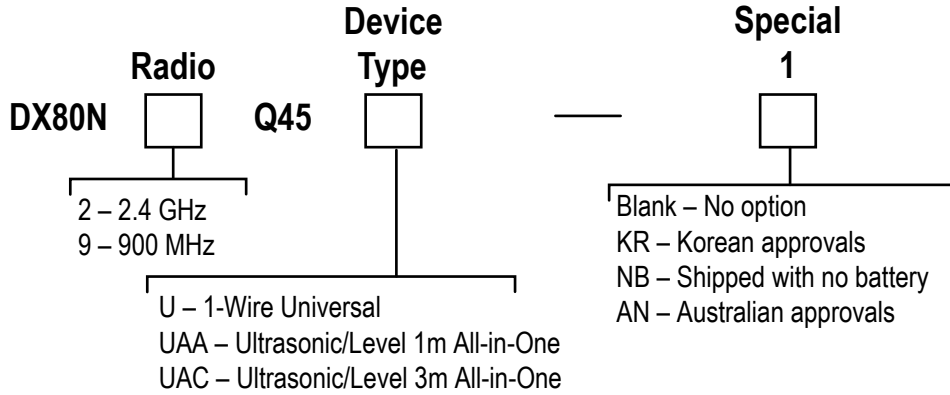
Custom products are available and are designated with a 6-digit number following the standard model number. For more information about ordering a product customized for your specific needs, contact Banner Engineering Corp.

Wireless Q45PS Pressure Monitoring All-in-One Sensor Nodes



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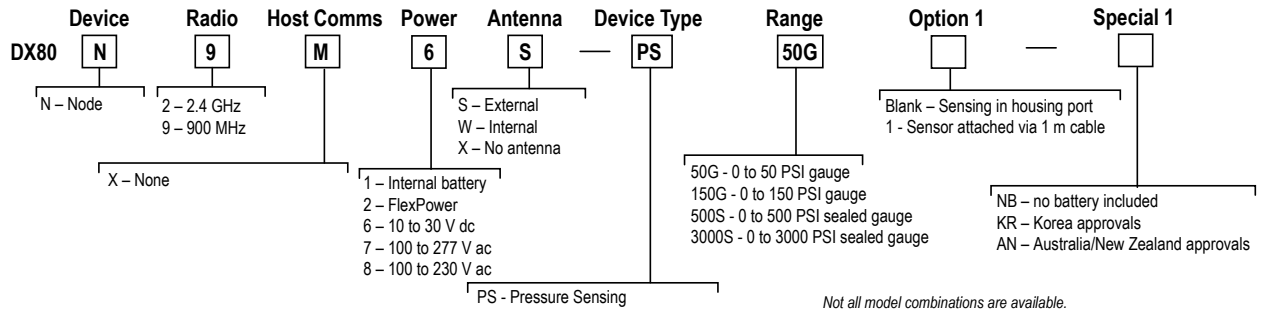
Wireless Q45U Universal 1-Wire and Ultrasonic Sensor Nodes



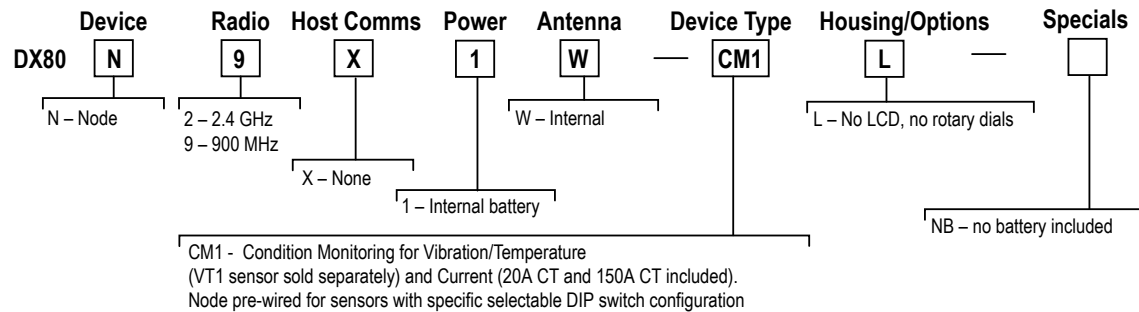
For the U model, the sensor must be ordered separately.
 Custom products are available and are designated with a 6-digit number following the standard model number. For more information about ordering a product customized for your specific needs, contact Banner Engineering Corp.

Performance and MultiHop Models

Performance Pressure Sensing Models

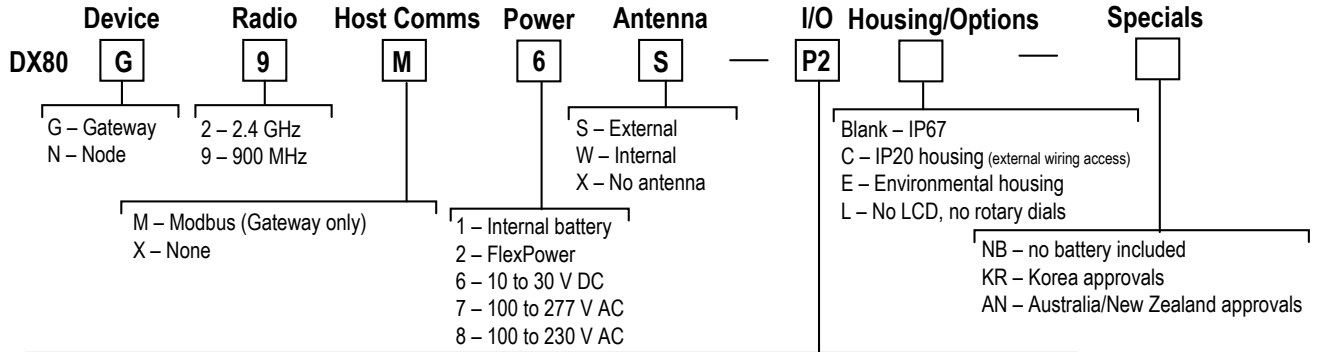


Performance Condition (Vibration and Current) Monitoring Models



Custom products are available and are designated with a 6-digit number following the standard model number. For more information about ordering a product customized for your specific needs, contact Banner Engineering Corp.

Performance Models



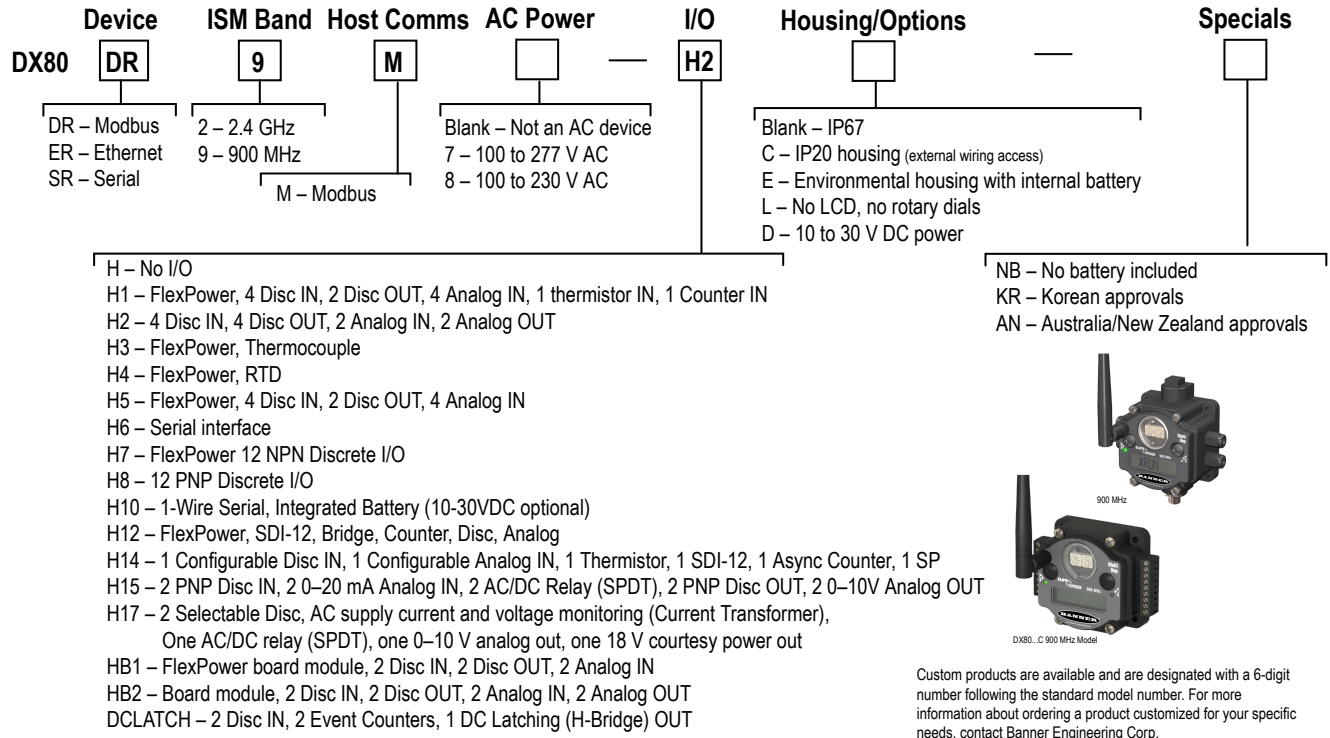
- P – Serial RS485/RS232
- P1 – FlexPower, 2 Discrete IN, 2 Discrete OUT, 2 Analog IN, Boost Voltage
- P2 – 4 Discrete IN, 4 Discrete OUT, 2 Analog IN, 2 Analog OUT
- P3 – FlexPower, Thermocouple
- P4 – FlexPower, RTD
- P5 – FlexPower, 2 Disc IN, 2 Disc OUT, 4 Analog IN
- P6 – Serial interface
- P7 – FlexPower, 12 NPN Discrete IO
- P8 – 12 PNP Discrete IO
- P12 – FlexPower, SDI-12, Bridge, Counter, Disc, Analog
- P14 – 1 Configurable Discrete IN, 1 Configurable Analog IN, 1 Thermistor, 1 Async Counter, 1 SP
- P15 – 2 Selectable Discrete IN, 2 0–10V Analog IN, 2 AC/DC Relay (SPDT), 2 PNP Disc OUT, 2 0–10V Analog OUT
- P16 – 2 Configurable Discrete IN, 2 High-Speed Async Counters, 4 NMOS OUT
- PM2 – Pre-mapped, 4 Discrete OUT, 2 Analog IN, 2 Analog OUT
- PM8 – Pre-mapped, 12 Discrete IO
- PM8L – Pre-mapped, 12 Discrete IO, No LCD
- PB1 – Board Module, FlexPower, 2 Discrete IN, 2 Discrete OUT, 2 Analog IN
- PB2 – Board Module, 2 Discrete IN, 2 Discrete OUT, 2 Analog IN, 2 Analog OUT
- DCLATCH – 1 Discrete IN, 1 Event Counter, 1 DC Latching (H-Bridge) OUT



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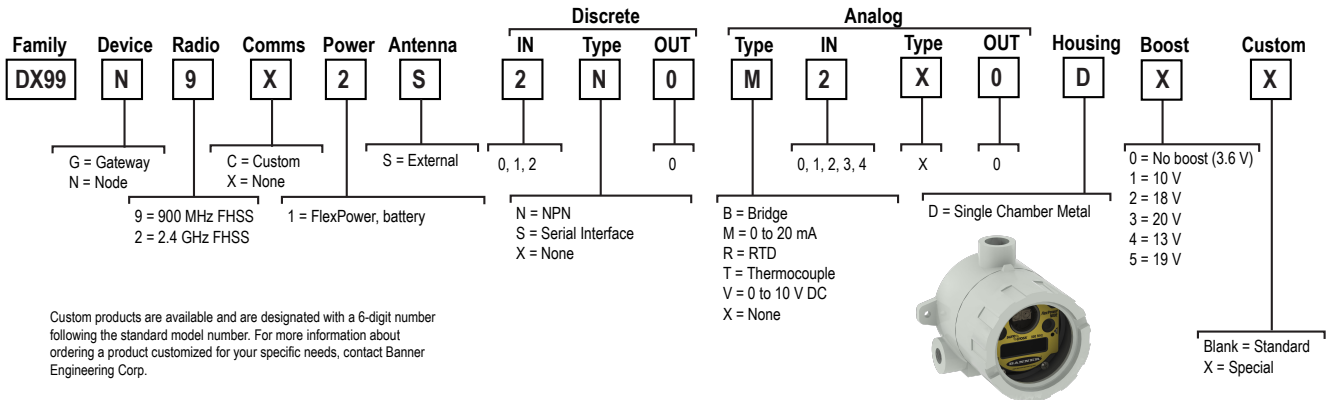
Not all model combinations are available.
Models listed with an L (Housing/Option) are basic units that may not include all listed options in the I/O column.

MultiHop Models



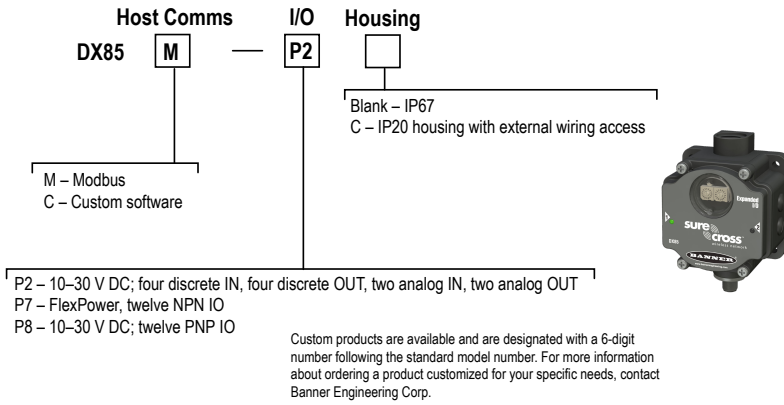
Not all model combinations are available.
 Models listed with an L under Housing/Options are basic models that may not include all I/O options.

DX99 Models



Accessories

DX85 Models



Battery Supply Modules

