Wireless Q45

Self-contained wireless solutions for control and monitoring applications

- Cost effective
- Battery powered
- Compact housing
- Designed for fast installation
Q45 Photoelectric Sensors combine a sensor, wireless node, and an internal battery to make it easy to solve challenging factory applications or add sensing to existing industrial systems.

- Truly self-contained with no need for cables, cord sets, or external power
- Up to 1.5 years of battery life
- Designed for fast installation and ease of changeovers

**Applications**

- Part Counting: Overall Equipment Effectiveness
- Presence Sensing: Finished Pallet
- General Access Monitoring: Restricted Area

**Device Type**

- CV = Convergent (2.4 GHz only)
- E = Emitter (2.4 GHz only)*
- R = Receiver (2.4 GHz only)*
- D = Diffuse
- F = Fiber Optic
- LP = Retroreflective

**Radio Band**

- 9 = 900 MHz
- 2 = 2.4 GHz

**Series**

- DX80N
- Q45

**Notes**

* Emitter and Receiver (E/R) function in pairs
Q45 Nodes for Predictive Maintenance

To save on installation time, Q45 1-wire serial nodes are pre-configured to work with Banner 1-wire serial sensors. The compact size, integrated lithium batteries, and a variety of compatible sensors makes remote monitoring easy.

- The Q45VT is designed to pair with the QM42VT1 vibration and temperature sensor. Vibration thresholds can be set using DIP switches.
- The Q45TH connects directly to the M12FTH4Q temperature and humidity sensor. Sample rates can be set using DIP switches.
- The Q45U is a universal 1-wire serial node that reads any Banner 1-wire serial sensor and determines an efficient power setting.

Select Your Node

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* Sensor units must be ordered separately
Q45 Switches & Push Buttons

Q45 Switches & Push Buttons are designed to accept remote dry contact, NAMUR, and discrete non-contact switch inputs to be used in many factory automation, remote monitoring and IIoT applications.

- Remote discrete models are designed to interface with isolated dry contact inputs or NAMUR inductive proximity sensors.
- Button and light models have independently controlled push button inputs and a multi-color LED indicator light.
- Remote discrete non-contact switch models use a reed switch and a magnet to sense the position of mechanical devices such as doors, levers, valves, and other actuators.

**Applications**

Remote Monitoring & Control: Door Status

Remote Monitoring: Safety Shower and Eye Wash

Error Proofing: Pick-To-Light

**Device Type Series**

RD = Remote Discrete

B = Push Button

N = Non Contact Switch**

2 = Two Push Buttons**

L = 4-Color LED

DL = Dome LED*

**Input Options Base**

9 = 900 MHz

2 = 2.4 GHz

Blank = No Input

2 = NAMUR Input**

Blank = No Option

2 = Threaded Hub

NH = No Hub

QD = M12 Euro QD**

* Only available with B model

** Only available with RD model