sure cross™
wireless network

sensing unplugged.™

Wireless Solutions

- **Cost Effective**
  Quick and simple to install where standard hard wiring is not practical. Ideal for retrofitting or expanding an existing system. Significantly reduces installation cost.

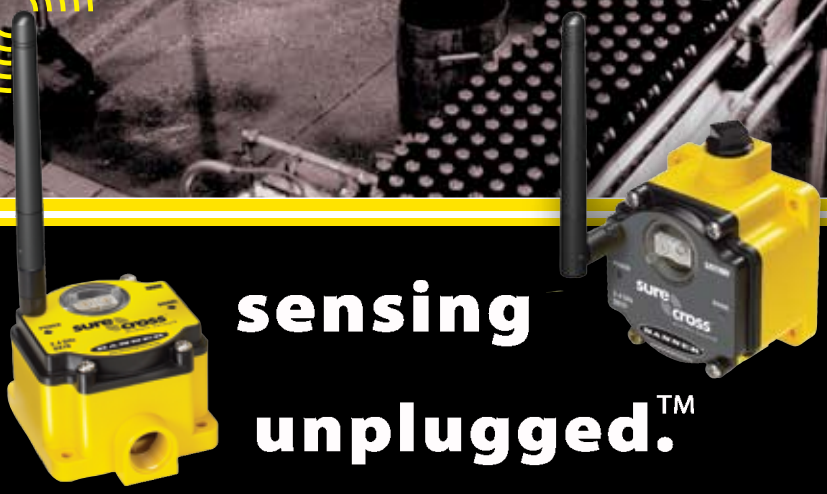
- **Easy to Use**
  The SureCross™ wireless network is designed to provide a direct wire replacement using a configured I/O. Easily accessible I/O terminal blocks allow quick installation of wires and immediate "plug & play" operation. Long range transmission provides power to cover a variety of applications. Built-in signal strength indicator gives constant feedback on the radio signal.

- **Customizable**
  Internal DIP switches allow configuration of link loss output, digital input type and link mapping. Choice of internal, external or remote antennas to optimize installation.

- **Reliable and Robust**
  The SureCross™ wireless network uses FHSS (Frequency Hopping Spread Spectrum) wireless protocol and TDMA (Time Division Multiple Access) technology to ensure secure data communication in an industrial environment.

- **Industrial and Rugged**
  IP67 housing ensures long-lasting performance in challenging environments and outdoor applications. Housing has a standard 80 x 80 mm footprint.

- **Flexible I/O and Bidirectional Communication**
  Full RX/TX communication to send and receive signals between gateway and node. Each unit has 4 digital and 2 analog I/O. Multiple SureCross™ wireless networks can operate in one location.



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BANNER®
more sensors, more solutions

sure cross™ wireless network

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UP TO 4,8 KM*

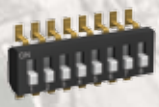
External or internal antenna

Rotary Switch

After binding the gateway to its corresponding node, the rotary switches on the gateway are used to set the network ID (NID) to a decimal value from 1 to 32. The node will only accept data from the gateway it is bound to.

LEDs

- Signal LED - Provides real-time feedback regarding RF link status and comminications activity
- Power LED - A green LED indicates the power is on.



Configuration

Use the switches on the circuit board to set:

- Link loss output
- Digital input type
- Link mapping
- Link timeout

I/O Terminal Block

Discrete: 4 In and 4 Out PNP or NPN

Analog: 2 In and 2 Out 0-20 mA

Device	Models	Frequency	Power	Antenna
Nodes	DX70N2X6S4P4M2M2	2.4 GHz ISM Band	Line 10to 30V dc	Standard
	DX70N2X6W4P4M2M2			Internal
	DX70N9X6S4P4M2M2	900 MHz ISM Band		Standard
	DX70N9X6W4P4M2M2			Internal
Gateways	DX70G2X6S4P4M2M2	2.4 GHz ISM Band	Line 10to 30V dc	Standard
	DX70G2X6W4P4M2M2			Internal
	DX70G9X6S4P4M2M2	900 MHz ISM Band		Standard
	DX70G9X6W4P4M2M2			Internal

*4,8 km range for 900MHz and 3,2 km for 2,4GHz depending on the environment

SENSORS | SAFETY | VISION | WIRELESS

Banner offers a full range of sensing solutions

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