OMNTEC®

Bright Eye Sensors BX-Series

Product Level Sensor

Part Numbers: BX-L Series

Description

OMNTEC sensors are most known for their ease of installation, reliability, cost effectiveness and their ability to be tested remotely. Bright Eye sensors (BX-series) are self diagnostic, and programmed to identify themselves and their location, providing the user with critical information.

Each sensor can recognize its unique serial number, part number and function. It accomplishes this via an internal microprocessor that enables it to distinguish itself from the other sensors on the system. This information is then relayed back to the OEL8000II controller, eliminating the need to guess where a leak condition is occurring.

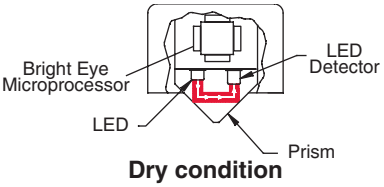
Built with four wire buss technology, up to 22 Bright Eye (BX-series) sensors can be networked along a common cable. (A total of 44 Bright Eye sensors can be used with the OEL8000II.) This eliminates the need to run separate lines for every sensor, which results in fewer conduits, and a quicker, less expensive and easier installation. In addition, systems already installed can be easily retrofitted without the need to run new cable.

A major feature of these sensors is that they can be tested from a remote location with the press of a single button, which has been third party certified.

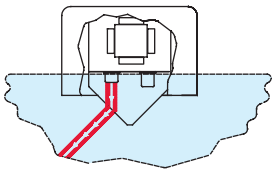
The BX-L-series sensors are designed to provide product level alarms for high, caution or low product levels.

BX-L-series sensors can be remotely tested without removal. This sensor is available with multiple alarm points.

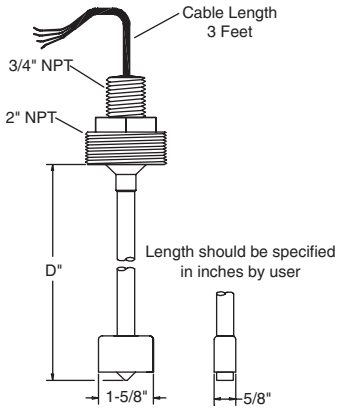
Principles of Operation



Dry condition



Wet Condition



Specifications for BX-Series Sensors

Power Consumption:	12 VDC @ 1.4 mA
Sensor Cable:	Shielded 22 AWG with drain wire (OMNTEC EC-4) Maximum length 2,000 feet
Principles of Operation:	
Normal Condition:	Normally closed beam of light
Alarm Condition:	Normally closed beam of light opens (refracts)
Water Condition (BX-PDS, BX-PDWS and BX-PDWF only):	Conductivity electrode
Response Time:	Immediate
Operating Temperature:	-15 to 140° F
***Compatible System:**	OEL8000II
Approvals:	UL listed, CUL listed, CE listed

*Note: Current published specifications are subject to change without notification. Verify specifications with manufacturer. *Please consult factory for additional compatible controllers.*

Features

- Self identifying by part number, serial number and function
- Self diagnostic
- Easily installed
- Minimal conduit needed
- Minimal programming required
- Product distinguishing or liquid only detection
- Easily tested without removal
- Corrosion resistant
- Not affected by hydrocarbon vapors or condensation
- Intrinsically safe
- Detects liquids at any angle
- No moving parts
- Modified sensors available
- Cost effective
- Third party certified
- UL listed, CUL listed, CE listed

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