



2W-BLX/2WT-BLX Addressable Smoke Detector



- ▶ Reduced wiring speeds installation time
- ▶ Emergency responders know where to go first
- ▶ Trouble alerts to a specific detector
- ▶ Built-in single zone
- ▶ Addressable module for DMP LX-Bus™ connection
- ▶ The 2WT-BLX also includes an integrated heat sensor
- ▶ Red LED blinks once every five seconds to indicate maintenance required

FEATURES

- ▶ Addressable single-point detector module
- ▶ Fixed-temperature thermal detector trips at 135° F
- ▶ Built-in drift compensation ensures reliable sensing
- ▶ LED lights speed installation and confirm status
- ▶ Reduced wiring and multiple mounting options speed installation
- ▶ State-of-the-art optical sensing chamber and advanced microprocessor
- ▶ Easy rotary switch addressing
- ▶ Proven design ensures stability and performance

SINGLE-POINT ADDRESSABLE TECHNOLOGY

A factory-mounted, addressable single-point zone expander is integrated into the base of the smoke detector. Because each detector reports individually to the panel, trouble reports are identified to a specific detector, speeding repair. No need to replace the heads on a string of detectors or individually test each detector to pinpoint the source of the problem.

In an alarm situation, facility owners and first responders instantly know the exact location of the alarm, enabling a faster response. For any installation that includes multiple rooms or areas, addressable technology offers many benefits.

SIMPLIFIED TROUBLESHOOTING

Addressable detectors provide trouble signals traceable back to a separate detector. This further simplifies troubleshooting and speeds repairs.

FIXED TEMPERATURE THERMAL DETECTOR

The 2WT-BLX features a restorable, built-in, fixed temperature thermal detector and is capable of sensing a temperature higher than 135° F. If the detector senses a higher temperature than 135°, the red LED latches on, and an alarm condition is sent to the control panel.

BUILT-IN DRIFT COMPENSATION

As detectors age and accumulate contaminants or as their environment changes, false alarms become more common. With drift compensation, the detector automatically adjusts to maintain the UL-acceptable operating range. Smoothing algorithms compensate for these changes, reducing nuisance alarms.

LED STATUS LIGHTS

Wide-angle, dual-color LEDs provide at-a-glance status indications. After power-up has completed and the detector is functioning normally, the green LED blinks once every five seconds. If the detector needs maintenance because its sensitivity has shifted outside the limits, the red LED blinks once every five seconds.

	GREEN LED	RED LED
Power-up	Blinks 10 seconds	Blinks 10 seconds
Normal (Standby)	Blinks 5 seconds	--
Out of sensitivity	--	Blinks 5 seconds
Alarm	--	Solid

COMMUNICATION VERIFICATION

The verification feature speeds installation and ensures system integrity by verifying the wiring and confirming device polling using a two-second flashing green LED on the integrated zone expander.

SIMPLIFIED WIRING

Compared to non-addressable devices, addressable detectors require much simpler wiring. This type of wiring reduces both installation time and the chance of errors.

MOUNTING OPTIONS

Multiple options provide installation flexibility. Each detector is supplied with a mounting base that can be mounted:

- ▶ a single gang box
- ▶ a 3½ - or 4-inch octagonal box
- ▶ a 4-inch square box with plaster ring
- ▶ directly to the ceiling using drywall fasteners

The bases can be pre-wired so the heads can be quickly inserted to complete the installation.

TAMPER RESISTANT

The detectors include a tamper-resistant feature that prevents removal from the mounting base without the use of a tool.

EASY ADDRESSING

Setting the address is as easy as rotating the two onboard rotary switches to positions matching the LX-Bus zone number address.

Specifications

Operating Voltage	12 VDC
Dimensions	5.3" Dia. × 2.0"
Weight	6.3 oz
Standby Current	11 mA
Alarm Current	31 mA
Maximum Ripple	30% (V) peak to peak
Operating Temperature (Ambient Room)	2W-BLX 32° F to 120° F 2WT-BLX 32° F to 100° F
Humidity Range	0 to 95% RH non-condensing
Heat Sensor	135° F (2WT-BLX Only)
Power-Up Time	45 seconds
Photoelectric Sensitivity	1 - 4%/ft.

Compatibility

XR150/XR550 Series Panels

Ordering Information

- 2W-BLX/10 Photoelectric smoke detector
- 2WT-BLX/10 Photoelectric smoke detector with fixed-temperature thermal detector

Certifications

California State Fire Marshal (CSFM)

Underwriters Laboratories (UL) Listed

UL 268 Smoke-Automatic Fire Detectors

For additional information, go to DMP.com/Compliance.

800-641-4282 | DMP.com

2500 N. Partnership Blvd, Springfield, MO 65803

Designed, engineered & manufactured in Springfield, MO using U.S. & global components

LIMITED WARRANTY: DMP warrants that the products manufactured by DMP and described herein shall be free from defects of manufacture, labeling, and packaging for a period of three (3) years from the invoice date to the original Buyer, provided that representative samples of the defective products are returned to DMP for inspection...To read the full DMP Limited Warranty, go to DMP.com/Warranty or check the DMP Price List or Catalog.