

DSC addressable photoelectric smoke detectors (FSB-210 series) incorporate a low profile design and features that help reduce false alarms and provide reliable smoke detection. Designed for use with the MAXSYS® PC4020CF commercial fire panel and PowerSeries control panels (Power832® and Power864™) via the PC5100 addressable zone expander, the detectors include automatic drift compensation, self-diagnostics, and easy-maintenance removable chambers. Precise and quick sensitivity testing is easily accomplished with the handheld test meter (FSD-100). The detectors are UL listed for commercial and residential applications.



Product Features:

- ▶ Automatic drift compensation
- ▶ Self-diagnostics
- ▶ Easy-maintenance removable smoke chamber
- ▶ Non-contact sensitivity testing with handheld test meter (FSD - 100)
- ▶ Built-in, dual-sensor heat detector (option)
- ▶ Scheduled test from control panel (MAXSYS)
- ▶ Removable terminals
- ▶ Low profile design
- ▶ Locking/Non-locking mounting plate
- ▶ UL listed for commercial and residential applications

False Alarm Reduction

DSC is committed to reducing false alarms and has integrated a number of features into its addressable photoelectric smoke detectors to provide reliable detection. One important feature is automatic drift compensation. It provides a constant level of sensitivity performance for long-term, false-alarm-free operation. As dust accumulates in the detector, it compensates to maintain the original factory-set sensitivity and thereby minimizes the potential for false alarms. If the detector reaches its limit of compensation, it will indicate a trouble condition well before the sensitivity increases to a level where false alarms will be generated.

Non-Contact Sensitivity Testing

Precise and quick sensitivity testing is easily accomplished with the non-contact handheld test meter (FSD-100). Powered by a standard 9 V alkaline battery and small enough to fit inside a shirt pocket, the test meter holds 500 readings that can be downloaded to any computer. To initiate a reading, a technician simply holds the test meter near a DSC smoke detector and activates the detector's test button.



Compatibility

DSC addressable photoelectric smoke detectors are compatible with the MAXSYS® PC4020CF commercial fire panel and PowerSeries control panels (Power832 and Power864) via the PC5100 addressable zone expander.

Specifications

MECHANICAL

Diameter 5.8" (147 mm)
Height 2.077" (52.8 mm)
Color White
Mounting Surface mount with screws
Bracket Twist on/off either locking or non locking

ELECTRICAL

Maximum Operating Voltage Range . . . Panel addressable loop voltage
Maximum Standby Current 1.6 mA
Maximum Alarm Current:
FSB-210(T) 1.8 mA

SENSITIVITY

Nominal: 3.0% +/-0.8% obscuration/ft. (UL)

HEAT SENSOR

Alarm: Fixed-temperature 135° F (57.2° C)

ENVIRONMENTAL

Operating Environment 32° to 100° F
(0° to 37.8° C)
Relative Humidity 5 to 95%

Ordering Information:

FSB-210B...2-Wire Addressable Photoelectric Smoke Detector without Heat Sensor

FSB-210BT...2-Wire Addressable Photoelectric Smoke Detector with Heat Sensor

Accessories

FSD-100...Handheld Test Meter

FSD-101...Broom Handle Adapter for FSD-100



For product information
www.dsc.com

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