

**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](http://www.dsc.com)

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