

## FCA-350 Detector Base Series



- ▶ Use for 2-wire (12 VDC or 24 VDC system) applications
- ▶ Easy installation
- ▶ Interchangeable detector heads

The FCA-350 series bases are designed specifically for use with Bosch's conventional detectors including Photoelectric smoke, Photoelectric smoke with heat, and Fixed temperature/rate-of-rise heat detectors. Each base is an electronics free 4" or 6" base featuring a plastic tamper-lock lug.

### Regulatory information

Region	Agency	Certification
US	UL	UL 521: Heat Detector for Fire Protective Signaling Systems
	UL	UL 268: Smoke Detector for Fire Alarm Systems
	CSFM	California State Fire Marshall (see our website)
	FM	FCH-350 Heat

### Installation/configuration notes

**Detectors:** Compatible with the following FCP-350 and FCH-350 Series Detector Heads:

- FCP-350-P Photoelectric Smoke Detector
- FCP-350-PTH Photoelectric Smoke Detector with Heat Sensor
- FCH-350-135 Heat Detector
- FCH-350-190 Heat Detector

### Mounting Considerations

Depending on local regulations, surface mount the bases using anchors, mollies, or wing nuts; or mount the bases directly on three inch octagonal (FCA-350-B4) four-inch square or octagonal electrical boxes or single-gang electrical boxes.

### Notice

The electrical box must be large enough to accommodate the number and size of conductors specified by the National Electrical Code or any local authorities having jurisdiction (AHJ).

### Wiring Considerations

In a 2-wire system, the maximum loop length depends on the number of detector bases on the loop, the wire size, and the control panel specifications. Refer to the control panel's installation instructions for specific wiring information.

### Technical specifications

#### Mechanical

Dimensions (H x W x D) (cm) (FCA-350-B4)	10.03 cm x 10.03 cm x 1.57 cm
Dimensions (H x W x D) (in) (FCA-350-B4)	3.95 in x 3.95 in x 0.62 in
Dimensions (H x W x D) (cm) (FCA-350-B6/B6R12/ B6R24)	15.24 cm x 15.24 cm x 2.54 cm

Dimensions (H x W x D) (in) (FCA-350-B6/B6R12/ B6R24)	6 in x 6 in x 1 in
Material	ABS plastic
Color	Ivory

### Environmental

Relative Humidity:	<95%RH @ 104°F (40°C) <80%RH @ 120°F (48°C)
Operating temperature (C)	0°C - 49°C
Operating temperature (F)	32°F - 120°F
Usage	Indoor/dry

### Electrical

<b>Current consumption (mA)</b>	FCA-350-B4: limited to 150 mA @ 15.0-33.0 V maximum
<b>Current consumption (mA)</b>	FCA-350-B6: limited to 150 mA @ 15.0-33.0 V maximum
<b>Current consumption (mA)</b>	FCA-350-B6R24: 43 mA (58 mA @ 30.0 V, maximum)
<b>Current consumption (mA)</b>	FCA-350-B6R12: 47 mA (75 mA @ 18.0 V, maximum)

### Ordering information

#### FCA-350-B4 Detector base, 4", 2-wire

Standard base for two-wire (12 VDC or 24 VDC system) applications. The base works with the FCH-350 (24V) and FCP-350 (12v/24V) smoke detectors and heat detectors.

Order number **FCA-350-B4 | F.01U.397.740**

#### FCA-350-B6 Detector base, 6", 2-wire

Standard base for two-wire (12 VDC or 24 VDC system) applications. The base works with the FCH-350 and FCP-350 smoke detectors and heat detectors.

Order number **FCA-350-B6 | F.01U.397.737**

#### FCA-350-B6R12 Detector base, 6", 4-wire, 12V

Standard base for four-wire (12 VDC system) applications. The base works with the FCH-350 and FCP-350 smoke detectors and heat detectors.

Order number **FCA-350-B6R12 | F.01U.397.739**

#### FCA-350-B6R24 Detector base, 6", 4-wire, 24V

Standard base for four-wire (24 VDC system) applications. The base works with the FCH-350 and FCP-350 smoke detectors and heat detectors.

Order number **FCA-350-B6R24 | F.01U.397.738**

### Accessories

#### FCH-350-135 Heat detector head, fixed/ROR, 135

Fixed temperature heat detector head, requires base.

Order number **FCH-350-135 | F.01U.397.733**

#### FCH-350-190 Heat detector head, fixed/ROR, 190

Fixed temperature heat detector head, requires base.

Order number **FCH-350-190 | F.01U.397.734**

#### FCP-350-P Smoke detector head, photoelectric

High quality Photoelectric Smoke Detector that can be used in all open areas where Photoelectric Smoke Detectors are required.

Order number **FCP-350-P | F.01U.397.731**

#### FCP-350-PTH Smoke detector head, photo/heat

High quality Photoelectric Smoke Detector that can be used in all open areas where Photoelectric Smoke Detectors are required.

Order number **FCP-350-PTH | F.01U.397.732**

#### PAM-4 Relay module, form C, 10A 12/24V

One set of 10.0 A, Form C contacts that can be energized across a range from 9 VDC to 40 VDC

Order number **PAM-4 | F.01U.135.043**



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