

# D250A Two-wire Detector Base (12/24 VDC)

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- ▶ 12 VDC or 24 VDC operation
- ▶ Two-wire circuit compatibility
- ▶ Can be used in circuit controlled by D291M addressable base
- ▶ Low-profile six-inch diameter base accepts interchangeable detector heads
- ▶ Easy head removal for cleaning and servicing

The D250A is a two-wire, 12 VDC or 24 VDC detector base without an alarm LED. It accepts Bosch D254 and D255 heat detector heads. Use the detector base with either of these heat detector heads in circuits where specifications call for fixed-temperature heat detectors. You can also use this detector base with the Bosch D256A Rate-of-Rise and Fixed-temperature (+135°F [+57°C]) Heat Detector and D257A Rate-of-Rise and Fixed-temperature (+190°F [+88°C]) Heat Detector.

The detector base also operates in a circuit controlled by the Bosch D291M Addressable Smoke Detector. In this circuit configuration, the D291M Addressable Detector Base controls a supervised 24 VDC circuit containing up to 19 detector bases that accept any D291M listed head. In this case, the detector base is not limited to heat detection heads.



**Notice**

For more information on using the detector base with the D291M, see the *D291M Installation Instructions*.

### Certifications and approvals

Region	Certification	
USA	UL	UROX: Smoke - Automatic Fire Detectors (ANSI\UL 268)
	CSFM	see our website

### Installation/configuration notes

**Compatible Products**

The following products are compatible with the D250A Two-wire or Four-wire Detector Base:

Category	Product ID	Product Description
Control Panels	D7022	Conventional FACP
	D7024	Conventional FACP
	D7024	Addressable FACP
	D7212	Addressable control panel
	D7212G	Addressable control panel
	D7412G	Addressable control panel
	D9112	Addressable control panel

	D9412G	Addressable control panel
	D9124	Addressable FACP
Detector Bases	D291M	Addressable multiple detector base
Detector Heads	D254A	Fixed temperature heat detector (+135°F [+57°C])
	D256A	Rate-of-Rise and fixed temperature heat detector (+135°F [+57°C])
	D257A	Rate-of-Rise and fixed temperature heat detector (+190°F [+88°C])
	D281A*	Ionization smoke detector head
	D282A*	Photoelectric smoke detector head
	D283A*	Photoelectric smoke detector head with fixed temperature (+135°F [+57°C]) heat sensor

\* When used in a circuit with a D291M multiple detector base, the D250A accepts these detector heads listed for use with the D291M.

### Mounting

The detector base fits on standard three-inch octagonal and four-inch square and octagonal back boxes.

### Wiring

Wiring connections are accessible with the base mounted to the back box.

### Ordering information

#### D250A Two-wire Detector Base (12/24 VDC)

Accepts Bosch D254 and D255 heat detector heads  
Order number **D250A**

### Parts included

Quant.	Component
1	D250A detector base
1	Hardware pack
1	Literature pack

### Technical specifications

#### Electrical

Current (operating):	Depends on detector head; refer to pertinent detector head specification
Voltage (operating):	8.0 VDC to 36.3 VDC

#### Environmental

Temperature (operating):	+32°F to +100°F (0°C to +38°C)
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#### Mechanical

Color:	Bone white
Dimensions (diameter):	6 in. (15.2 cm)

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