

# D253 Two-wire Detector Base (24 VDC)

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- ▶ 24 VDC, two-wire circuit compatibility
- ▶ Latching LED
- ▶ Low-profile six-inch diameter base accepts interchangeable detector heads
- ▶ Easy head removal for cleaning and servicing
- ▶ Standard screw terminal connections

The D253 is a two-wire 24 VDC heat detector base with a latching steady-on alarm LED. It accepts Bosch D254 and D255 heat detector heads.

Certifications and approvals		
Region	Certification	
USA	UL	UROC: Smoke - Automatic Fire Detectors (UL268 and A)
	FM	D253
	CSFM	see our website
	NYC-MEA	284-91-E, Vol. II

## Installation/configuration notes

**Compatible Products**  
The following products are compatible with the D253 Two-wire Detector Base:

Category	Product ID	Product Description
Control Panels*	D7022	Conventional FACP
	D7024	Conventional FACP
	D7024	Addressable FACP
	D7212	Addressable control panel

Detector Heads	D7212G	Addressable control panel
	D7412G	Addressable control panel
	D9112	Addressable control panel
	D9412G	Addressable control panel
	D9124	Addressable FACP
	D254	Fixed temperature heat detector (+135°F [+57°C])
	D255	Fixed temperature heat detector (+190°F [+88°C])

\* The D253 requires use of a D125B Powered Loop Interface Module and a separate UL Listed 24 VDC power supply. Use a D130 Relay Module to reset the 24 VDC detectors with a Reset Sensor command from the control panel.

**Notice**  
Bosch makes no claims either written, oral, or implied that the D253 works with any control panel other than those listed above.

**Mounting**  
The D253 base fits on standard three-inch octagonal and four-inch square and octagonal back boxes.

### Wiring

Refer to the installation instructions (P/N: 42885) for detailed wiring requirements.

### Parts included

Quant.	Component
1	D253 detector base
1	Hardware pack
1	Literature pack

### Technical specifications

#### Environmental Considerations

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

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

#### Power Requirements

Current (alarm):	38 mA
Current (operating):	0.055 mA
Voltage (operating):	15.0 VDC to 36.3 VDC

### Ordering information

#### D253 Two-wire Detector Base (24 VDC)

A two-wire 24 VDC heat detector base, with a latching steady-on alarm LED, that accepts Bosch D254 and D255 heat detector heads

Order number **D253**

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