



# D280A Two-wire Detector Base (24 VDC)



- ▶ 24 VDC, two-wire circuit compatibility
- ▶ Low profile construction
- ▶ Easy to install and service
- ▶ Molded in UL Listed white ABS plastic

Use the D280A Detector Base where the application calls for a 24 VDC, two-wire photoelectric smoke detector. When using the D280A, detector power is supplied on a single pair of wires as part of the initiating loop. The D280A also has a remote alarm LED terminal.

## Certifications and Approvals

Region	Certification	Product Description
USA	UL	UROX: Smoke - Automatic Fire Detectors (UL268 and A)
	CSFM	7300-1615: 115

## Installation/Configuration Notes

### Compatible Products

The following products are compatible with the D280A Two-Wire Detector Base:

Category	Product ID	Product Description
Control Panels	D7022	Two-zone FACP
	D7024	Conventional FACPs
	D7024-EXP	Conventional FACPs for export
Detector Heads	D281A	Ionization smoke detector head

Category	Product ID	Product Description
	D282A	Photoelectric smoke detector head
	D283A	Photoelectric smoke detector head with fixed-temperature (135°F [57°C]) heat sensor

**Note** Bosch makes no claims either written, oral, or implied that the D280A works with any control panel other than those listed above.

### Mounting

The D280A mounts on standard three-inch or four-inch octagonal back boxes. It also mounts on four-inch square electrical back boxes with an adaptor plate.

**Note** Mounting boxes installed in plenums, pressurized stairwells, or other air spaces must follow all applicable codes and the requirements of the authority having jurisdiction (AHJ).

### Wiring

Refer to the *D250A-D290 Series Installation Instructions* (P/N: 42885) for detailed wiring requirements.

### Parts Included

Quant.	Component
1	D280A detector base
1	Literature pack

### Technical Specifications

#### Environmental Considerations

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

#### Mechanical Properties

Color: Bone white

Dimensions (diameter x D): 5.9 in. x 0.375 in.  
(15.1 cm x 1 cm)

#### Power Requirements

Current (alarm): Depends on the control panel; refer to pertinent control panel installation instructions

Current (operating): 0.055 mA

Voltage (operating): 15.0 VDC to 36.3 VDC

### Ordering Information

**D280A Two-wire Detector Base (24 VDC)**      **D280A**  
24 VDC, two-wire photoelectric smoke detector

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