D278S Four-wire Addressable Detector Base (12 VDC)

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BOSCH
Invented for life

- Low-profile modular design
- Addressable application
- Data In and Data Out terminals
- Easy head removal for cleaning and servicing

Use the D278S Four-wire Addressable Detector Base with smoke and heat detector heads to provide early warning fire detection for life safety and property protection systems. The detector base is a 12 VDC base for use in systems controlled by a D7412G or D9412G 12 VDC Control Panels with a D8125 POPEX Module. The detector base has a built-in POPIT to provide individual addresses on the FACP data expansion circuit.
The detector base accepts the D285/D285TH Photoelectric Smoke Detector Heads, the D286 Ionization Smoke Detector Head, and the D603, D604, and D605 Heat Detector Heads. When used with the D285 detector heads, the detector base indicates Chamber Check trouble to the control panel through the POPIT bus. The Chamber Check trouble indication appears on the keypads as a fire trouble.

Certifications and approvals

Region	Certification	
USA	UL	UROX: Smoke - Automatic Fire Detectors (ANSI/UL 268)
	CSFM	see our website
	NYC-MEA	12-92-E, Vol. X

Installation/configuration notes

Compatible Products
The following products are compatible with the D278S Four-wire Addressable Detector Base:

Category	Product ID	Product Description
Control Panels	D7412G	Addressable control panel
	D9412G	Addressable control panel
Detector Heads	D285	Photoelectric smoke detector head
	D285TH	Photoelectric smoke detector head with fixed-temperature (+135°F [+57°C]) heat sensor
	D286	Ionization smoke detector

D603	Rate-of-Rise heat detector
D604	Fixed-temperature (+135°F [+57°C]) heat detector
D605	Fixed-temperature (+190°F [+88°C]) heat detector

Mounting
The detector base mounts on a single-gang switch box or on standard three-inch and four-inch square or octagonal back boxes. An adapter plate is packaged with the base.

Wiring
The detector base accepts any wire from 12 AWG to 24 AWG (ISO 4 mm^2 to 0.2 mm^2). The minimum wire size depends on the number of bases used and the distance from the FACP to the furthermost base. For specific wiring requirements, see the *D278S/D298S Installation Instructions*.

Parts included

Quant.	Component
1	D278S detector base
1	Adapter plate (P/N: 18851)
1	Hardware pack
1	Literature pack

Technical specifications

Electrical (Auxiliary Supply)

Current (alarm):	40 mA
Current (standby):	2.5 mA
Voltage (operating):	9.6 VDC to 13.9 VDC

Environmental

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

Mechanical

Color:	Bone white
Dimensions (diameter x D):	6.375 in. x 0.9 in. (16.2 cm x 2.3 cm)

Ordering information

D278S Four-wire Addressable Detector Base (12 VDC)
A 12 VDC base with a built-in POPIT for use in systems controlled by a D7412G or D9412G 12 VDC Control Panel with a D8125 POPEX Module
Order number **D278S**

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