

D280A Two-wire Detector Base (24 VDC)

www.boschsecurity.com



- ▶ 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 this detector base, detector power is supplied on a single pair of wires as part of the initiating loop. The detector base also has a remote alarm LED terminal.

Certifications and approvals

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

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 FACP
	D7024-EXP	Conventional FACP for export
Detector Heads	D281A	Ionization smoke detector head

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

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

Mounting
The detector base 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.

Notice
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
For detailed wiring requirements, see the *D250A-D290 Series Installation Instructions*.

Parts included

Quant.	Component
1	D280A detector base
1	Literature pack

Technical specifications

Electrical

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

Environmental

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

Mechanical

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

Ordering information

D280A Two-wire Detector Base (24 VDC)

24 VDC, two-wire photoelectric smoke detector
Order number **D280A**

Represented by:

Americas:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: +31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone: +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com