

D293 Four-wire Detector Bases

www.boschsecurity.com



BOSCH
Invented for life



- ▶ Variety of interchangeable smoke and heat detector heads
- ▶ Detector's head removes easily by twisting
- ▶ Two-piece detector head and base design allows pre-wiring the system
- ▶ Externally-powered sounder (85 dB at 10 ft [3 m])

The D293 Series includes the D293A Four-wire Detector Base with Auxiliary Form C Relay, the D293E Four-wire Power Supervision Detector Base, and the D293S Four-wire Detector Base with Sounder. Use these bases with smoke and heat detector heads to provide early fire warning for life safety and property protection systems. This base is compatible with a number of control panels and with the following Bosch Security Systems, Inc.'s' detector heads:

- D285 Photoelectric Smoke Detector Head
- D285TH Photoelectric Smoke Detector with Heat Sensor Head
- D286 Ionization Smoke Detector Head
- D603 Fixed-temperature (135°F [57°C]) and Rate-of-Rise Heat Detector
- D604 Fixed-temperature (135°F [57°C]) Heat Detector
- D605 Fixed-temperature (190°F [88°C]) Heat Detector

Certifications and approvals

Region	Certification	
USA	UL	UROX: Smoke - Automatic Fire Detectors (ANSI/UL 268), UROX7: Smoke - Automatic Fire Detectors Certified for Canada (cULus),
	CSFM	see our website
	NYC-MEA	274-93-E, Vol. VII
	MSFM	permit #2186

Installation/configuration notes

Compatible Products

The following products are compatible with the D293 Four-wire Detector Bases:

Category	Product ID	Product Description
Control Panels		Compatible with all UL Listed four-wire control panels.
Detector Heads	D285	Photoelectric smoke detector head
	D285TH	Photoelectric smoke detector head with heat sensor

	D286	Ionization smoke detector head
	D603	Fixed-temperature (135°F [57°C]) and Rate-of-Rise heat detector head
	D604	Fixed-temperature (135°F [57°C]) heat detector head
	D605	Fixed-temperature (190°F [88°C]) heat detector head
Modules	D275	End-of-line (EOL) supervision module
Remote Annunciators	DRA-5	Remote annunciator

Mounting Considerations

Depending on local regulations, the bases can be surface mounted using anchors, mollies, or wing nuts. The bases can be directly mounted on single-gang switch boxes or mounted on four-inch octagonal electrical boxes using the supplied adaptor plate.

Notice

Ensure the volume of any electrical box used accommodates the number and size of conductors as specified by the National Electrical Code (NEC) or any local regulations having jurisdiction.

EOL Supervision

Use one D293E Base for the last detector on the loop or one D275 module per detector loop. Use the EOL resistor(s) specified by the control panel manufacturer.

Parts included

Quant.	Component
1	D293A, D293E, or D293S Four-wire Detector Base
1	Adaptor plate (P/N: 18851)
1	Hardware pack
1	Literature pack

Technical specifications

Electrical (D293A)

Current (alarm):	12 VDC: 58 mA; 24 VDC: 62 mA; 30 VDC: 75 mA maximum
Current (standby):	0.12 mA maximum
Voltage (standby):	10 VDC to 30 VDC

Electrical (D293E)

Current (alarm):	12 VDC: 82 mA; 24 VDC: 86 mA; 30 VDC: 100 mA maximum
Current (standby):	24 mA at 12 VDC and 24 VDC
Voltage (standby):	10 VDC to 30 VDC

Electrical (D293S)

Alarm Current (base):	12 VDC: 48 mA; 24 VDC: 51 mA; 30 VDC: 70 mA maximum
Alarm Current (sounder):	12 VDC: 15 mA; 24 VDC: 24 mA; 30 VDC: 25 mA maximum
Voltage (base):	10 VDC to 30 VDC
Voltage (sounder):	12 VDC nominal, 10 VDC to 16 VDC; 24 VDC nominal, 18 VDC to 30 VDC

Environmental

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

Mechanical

Dimensions (diameter):	6.375 in. (16.2 cm)
------------------------	---------------------

Outputs (D293A)

Alarm:	One normally-open (NO) relay
Auxiliary:	One set of Form C contacts rated for 62.5 VA, 0.5 A at 125 VAC and 30 W, 1.0 A at 30 VDC for resistive loads

Outputs (D293E)

Alarm:	One normally-open (NO) relay
Auxiliary:	One set of normally-open (NO) contacts rated for 62.5 VA, 0.5 A at 125 VAC and 30 W, 1.0 A at 30 VDC for resistive loads
EOL:	One EOL relay rated for 10 W, 0.5 A at 100 VDC for resistive loads

Outputs (D293S)

Auxiliary:	One set of normally-open (NO) contacts rated for 10 W, 0.5 A at 60 VDC for resistive loads
Sounder	Powered by external source

Ordering information

D293A Four-wire Detector Base with Auxiliary Relay (Form C)

Four-wire detector base with an auxiliary Form C relay. Order number **D293A**

D293E Four-wire Power Supervision Detector Base

Four-wire detector base with built-in power supervision.

Order number **D293E**

D293S Four-wire Detector Base with Sounder

Four-wire detector base with a built-in, externally-powered, 85 dB at 10 ft [3 m] sounder.

Order number **D293S**

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