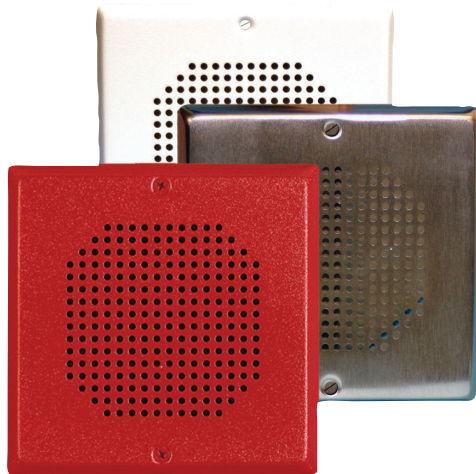


E70 Low-profile Speakers

www.boschsecurity.com



BOSCH
Invented for life



- ▶ 24 VDC, filtered or unfiltered
- ▶ 25 VRMS or 70 VRMS operation at a choice of five taps from 0.125 W to 2 W
- ▶ Cost-effective two-wire design
- ▶ Easy wiring with screw terminals
- ▶ Supervised inputs

The E70 Speakers provide high audio output with clear audibility, and are designed to meet the critical needs of the life safety industry for effective emergency voice communications and tone signaling. The high-efficiency speakers are designed for maximum output at a minimum wattage across a frequency range of 400 Hz to 4 kHz.

A speaker mounting plate with a built-in level adjustment allows for a faster and easier installation. The two-screw grill cover creates an attractive appearance.

Certifications and approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

Region	Certification	
USA	UL	UEAY: Speakers (UL464), UUKC: Signaling Appliances and Equipment for the Hearing Impaired (UL1971), UUMW: Speakers and Amplifiers for Fire Protective Signaling Systems (UL1480, UL1711, and UL2043)
	CSFM	see our website

Installation/configuration notes

Compatible Products

The following products are compatible with the E70 Speakers:

Category	Product ID	Product Description
Control Panels	D7022 ¹	Conventional FACP
	D7024 ²	Addressable FACP
	D7024	Conventional FACP
	D8024	Analog FACP
	D9124	Addressable FACP
	D10024A	Analog FACP
	FPD-7024 ²	Addressable FACP
	FPD-7024	Conventional FACP

These speakers are compatible with Wheelock SAFEPATH4 Facility Communication Systems and Bosch Voice Evacuation Systems.

¹ When used, the D7022 must be set for 24 VDC operation.

² When used with a D7039 Multiplex Expansion Module, the D7024 and FPD-7024 become addressable fire alarm control panels (FACPs).

Mounting

The low profile design of these notification appliances creates more wiring space in standard electrical back boxes. The speaker mounting plate incorporates a built-in level adjustment feature allowing for a faster and easier installation. These speakers mount on the indicated back boxes for the indicated applications:

	Conduit Applications	Surface Mounted	Flush Mounted
Four-inch square*			•
SBB Back Box	•	•	

*Requires an SER extension ring.

Use as Combination Appliance

Where combination appliances are required, the E70 Speakers can be used with the RSSP-241575W-FR (15/75 cd), RSSP-24MCW-FR (15 cd, 30 cd, 75 cd, or 110 cd), or RSSP-24MCWH-FR (135 cd or 185 cd) Retrofit Strobe Plates that are designed to meet or exceed the latest requirements of NFPA 72, ANSI 117.0 and UL 1971. The speakers and retrofit strobe plates are also compatible with the SBL2-R Retrofit Device Back Box.

Wiring

The input terminals accept wires with diameters between 18 AWG and 12 AWG (ISO 0.75 mm² and 4 mm²).

Parts included

Quant.	Component
1	Speaker
1	Mounting Plate
1	Hardware pack
1	Literature pack

Technical specifications

Electrical

Power Requirements

Voltage (input):	24 VDC nominal; 16 VDC or FWR to 33 VDC or FWR
------------------	---

Environmental

Relative Humidity:	Up to 85%, non-condensing
Temperature (Operating):	+32°F to +120°F (0° to +49°C)

Mechanical

Dimensions (H x W x D):	5.1 in. x 5.1 in. x 2.9 in. (13.0 cm x 13.0 cm x 7.4 cm)
-------------------------	---

Material:	Molded plastic
-----------	----------------

Speaker Volume at 10 ft (3 m)

0.125 (1/8) W:	77.5 dBA
0.25 (1/4) W:	80.4 dBA
0.5 (1/2) W:	83.2 dBA
1 W:	85.7 dBA
2 W:	87.8 dBA

Ordering information

E70-N 24 VDC Low-Profile Speaker (nickel)

Nickel finish, 24 VDC device with high-efficiency sound output, dual voltage capability (25 VRMS or 70 VRMS), and field-selectable taps from 1/8 W to 2 W

Order number **E70-N**

E70-R 24 VDC Low-Profile Speaker (red)

Red, 24 VDC device with high-efficiency sound output, dual voltage capability (25 VRMS or 70 VRMS), and field-selectable taps from 1/8 W to 2 W

Order number **E70-R**

E70-W 24 VDC Low-Profile Speaker (white)

White, 24 VDC device with high-efficiency sound output, dual voltage capability (25 VRMS or 70 VRMS), and field-selectable taps from 1/8 W to 2 W

Order number **E70-W**

Accessories

ISP2-R Surface Adapter (red)

13.3 cm (5.25 in.) square, 3 cm (1.1875 in.) deep

Order number **ISP2-R**

ISP2-W Surface Adapter (white)

13.3 cm (5.25 in.) square, 3 cm (1.1875 in.) deep

Order number **ISP2-W**

RP-R Retrofit Plate (red)

20.3 cm (8 in.) high, 14.9 cm (5.875 in.) wide.

Not Available.

Order number **RP-R**

SBB-R Surface-mount Back Box (red)

14 cm (5.5 in.) x 14.2 cm (5.6 in.) x 9.1 cm (3.6 in.)

Order number **SBB-R**

SBB-W Surface-mount Back Box (white)

14 cm (5.5 in.) x 14.2 cm (5.6 in.) x 9.1 cm (3.6 in.)

Order number **SBB-W**

SER-R Square Semi-flush Extension Ring (red)

12.7 cm (5 in.) square by 4 cm (1.5625 in.) deep

Order number **SER-R**

SER-W Square Semi-flush Extension Ring (white)

12.7 cm (5 in.) square by 4 cm (1.5625 in.) deep
Order number **SER-W**

SFP-R Semi-flush Plate (red)

15.2 cm (6 in.) square by 0.8 cm (0.3125 in.) thick
Order number **SFP-R**

SSB-4 Ceiling Support Bridge

60.3 cm (23.75 in.) long by 16.5 cm (6.5 in.) wide
Order number **SSB-4**

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