BOSCH

Invented for life

ET70WP Series Weatherproof Speaker Strobes

▸ **Wall-mount and ceiling-mount models**

▸ **Weatherproof from -31°F to +150°F (-35°C to +66°C)**

▸ **25 VRMS or 70 VRMS operation at a choice of seven taps from 0.125 W to 8 W**

▸ **Cost-effective two-wire design with easy-to-wire screw terminals**

▸ **Supervised inputs**

▸ **Low average current draw**

▸ **Compatible with SM and DSM Synchronization Modules**

▸ **UL Listed for indoor use**

▸ **Meets or exceeds NFPA and ANSI standards**

The ET70WP Series Weatherproof Speaker Strobes 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, tone signaling, and visible signaling. The strobe is rated for 75 cd light intensity on axis at -31°F (-35°C).

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.

The high-efficiency speaker is designed for maximum output at a minimum wattage across a frequency range of 400 Hz to 4 kHz. The speaker has seven power taps from 0.125 W to 8 W.

When used with the SM (single) or DSM (dual) Synchronization Modules, the strobe produces a synchronized flash for compliance with ADA guidelines concerning photosensitive epilepsy. All strobe input is compatible with standard reverse polarity type supervision of circuit wiring by a fire alarm control panel (FACP).

Note   These products are not suitable for hearing-impaired applications.

Certifications and Approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

Region	Certification	
USA	UL	All models: UEAY: Speakers (UL464), UUMW: Speakers and Amplifiers for Fire Protective Signaling Systems (UL1480, UL1711, and UL2043)
		2475W model: UUKC: Signaling Appliances and Equipment for the Hearing Impaired (UL1971)
	CSFM	2475W model: 7125-0785: 146
	NYC/MEA	151-92-E, Vol. 30
	ADA	Complies with Americans with Disabilities Act
	ANSI	Complies with American National Standards Institute ANSI 117.1
	NFPA	Complies with National Fire Protection Association NFPA 72
	OSHA	Complies with Occupational Safety and Health Administration OSHA 29 Part 1910.165

Installation/Configuration Notes

Compatible Products

The following products are compatible with the ET70WP Series Weatherproof Speaker Strobes:

Category	Product ID	Product Description
Control Panels	D7022[1]	Conventional FACP
	D7024[2]	Addressable FACP
	D7024	Conventional FACP
	D8024[1]	Analog FACP
	D9124[1]	Addressable FACP
	D10024A[1]	Analog FACP
Modules	SM-12/24-R	Synchronization module (red)
	DSM-12/24-R	Dual synchronization module (red)

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

[1] For synchronization, use the SM or DSM module with these control panels. Set the synchronization module for 24 V operation. When used, set the D7022 for 24 VDC operation.

[2] When used with a D7039 Multiplex Expansion Module, the D7024 becomes an addressable fire alarm control panel (FACP).

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 speaker strobes wall mount on the indicated back boxes for the indicated applications:

	Conduit Applications	Surface Mounted	Flush Mounted
IOB Back Box	•	•	

Outdoor or Severe Environment Applications

For an outdoor or a severe environment (NEMA 3R) application, mount the speaker strobe with an IOB Indoor or Outdoor Back Box on a flat wall or ceiling so the entire rear surface of the back box is covered. The drain holes in the back box must point toward the ground. The knockouts on the rear surface of the back box must remain intact.

The knockout hole on top of the back box is sized for a half-inch conduit and matching connector. Use a watertight conduit fitting.

Wiring

Note Do not use the strobe unit in coded or pulsed signaling circuits.

The input terminals accept wires with diameters between 18 AWG (1.2 mm) and 12 AWG (2.3 mm).

Parts Included

Quant.	Component
1	Weatherproof Speaker Strobe
1	Mounting plate
1	Hardware pack
1	Literature pack

Technical Specifications

Environmental Considerations

Relative Humidity:	Up to 95%, non-condensing
Temperature (Operating):	-31°F to +150°F (-35°C to +66°C)

Mechanical Properties

Candela Rating (on axis):	75 cd at -31°F (-35°C) 180 cd at +77°F (+25°C)
Dimensions (H x W x D):	5.1 in. x 5.1 in. x 5.2 in. (13.0 cm x 13.0 cm x 13.3 cm)
Material:	Molded plastic enclosure incorporating a Xenon flashtube and Lexan lens.

Power Requirements

Strobe Current at 75 cd (RMS maximum)

VDC:	138 mA
VFWR:	222 mA

Voltage (input)

Nominal:	24 VDC
Range:	16 VDC or FWR to 33 VDC or FWR

Speaker Volume at 10 ft (3 m)

0.125 (1/8) W:	77 dBA
0.25 (1/4) W:	80 dBA
0.5 (1/2) W:	83 dBA
1 W:	86 dBA
2 W:	88 dBA
4 W:	91 dBA
8 W:	93 dBA

Trademarks

Trademark names are used throughout this document. In most cases, these designations are claimed as trademarks or registered trademarks in one or more countries by their respective owners. Rather than placing a trademark symbol in every occurrence of a trademark name, Bosch Security Systems, Inc. uses the names only in an editorial fashion and to the benefit of the trademark owner with no intention of infringing the trademark.

Lexan is a registered trademark of General Electric Corporation, USA, in the United States and other countries.

Ordering Information

ET70WP-2475W-FR Wall-mount Weatherproof Speaker Strobe (red)
Red, wall-mount, 24 VDC weatherproof device providing high audio output with clear audibility, dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 8 W, and strobe rated for light intensity on axis of 75 cd at -31°F (-35°C) and 180 cd at +77°F (+25°C)

ET70WP-2475W-FR

ET70WP-2475C-FR Ceiling-mount Weatherproof Speaker Strobe (red)
Red, ceiling-mount, 24 VDC weatherproof device providing high audio output with clear audibility, dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 8 W, and strobe rated for light intensity on axis of 75 cd at -31°F (-35°C) and 180 cd at +77°F (+25°C)

ET70WP-2475C-FR

ET70WP-2475C-FW Ceiling-mount Weatherproof Speaker Strobe (white)
White, ceiling-mount, 24 VDC weatherproof device providing high audio output with clear audibility, dual voltage capability (25 VRMS or 70 VRMS), field-selectable taps from 1/8 W to 8 W, and strobe rated for light intensity on axis of 75 cd at -31°F (-35°C) and 180 cd at +77°F (+25°C)

ET70WP-2475C-FW

Accessories

IOB-R Indoor or Outdoor Back Box (red)
13.3 cm (5.25 in.) square, 6.7 cm (2.625 in.) deep

IOB-R