BOSCH

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ASWP Series Weatherproof Horn Strobes

- ▸ **24 VDC, filtered or unfiltered**
- ▸ **Wall or ceiling mount models**
- ▸ **Selectable continuous horn or temporal (Code 3) tones each with three selectable volume settings**
- ▸ **Synchronize with SM and DSM modules**
- ▸ **Cost-efficient two-wire operation with low profile design**
- ▸ **Suitable for outdoor use when mounted on a WPBB back box**

The Wheelock ASWP Series consists of 24 V, square horn strobes for use with a WPBB-R Weatherproof Back Box in outdoor and extreme environment applications. The series includes wall and ceiling mount models. The strobe is listed as 75 cd on axis at -31°F (-35°C). Choose between continuous horn or temporal pattern (Code 3) tone when constant voltage from the fire alarm control panel (FACP) is applied. Each tone has three field-selectable volume levels.

Synchronize these horn strobes with the SM (single) or DSM (dual) modules or a compatible control panel. The audible response can be silenced while maintaining strobe activation, a requirement in some jurisdictions.

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

NYC/MEA	151-93-E, Vol. 26
CBFP	City of Chicago Bureau of Fire Protection
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 ASWP Weatherproof Horn Strobe:

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

Certifications and Approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

Region	Certification	
USA	UL	ULSZ: Audible Signal Appliances (UL464), UUKC: Signaling Appliances and Equipment for the Hearing Impaired (UL1971)
	CSFM	2475W model only: 7125-0785: 131

Modules	SM-12/24-R	Synchronization module (red)
	DSM-12/24-R	Dual synchronization module (red)

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

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

Mounting Considerations

Outdoor or Severe Environment Applications

For an outdoor application or a severe environment (NEMA 3R) application, mount the horn strobe and a WPBB-R Weatherproof 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. A proper watertight conduit fitting must be used.

Mount these horn strobes on the indicated back box for the indicated applications:

	Conduit Applications	Surface Mounted	Flush Mounted
WPBB-R	•	•	

All models have an attractive cover plate for a clean, finished appearance.

Wiring

Note Do not use these units 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	Horn strobe
1	Cover 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

Dimensions (H x W x D):	4-13/16 in. x 4-13/16 in. x 2-1/2 in. (12.2 cm x 12.2 cm x 6.4 cm)
Material:	Molded plastic enclosure incorporating a Xenon flash-tube and Lexan lens.
Candela Ratings (on axis):	75 cd at -31°F (-35°C) 180 cd at +77°F (+25°C)

Power Requirements

Current (maximum RMS)

High dBA	168 mA VDC; 235 mA FWR
Medium dBA	155 mA VDC; 225 mA FWR
Low dBA	150 mA VDC; 220 mA FWR

Voltage Ranges

24 V nominal:	16.0 to 33.0 VDC or FWR

Sound Output Ratings (reverberant dBA at 10 ft [3 m]) at 24 VDC

Continuous Horn

High Volume Setting:	91 dBA
Medium Volume Setting:	88 dBA
Low Volume Setting:	83 dBA

Temporal (Code 3) Horn

High Volume Setting:	87 dBA
Medium Volume Setting:	84 dBA
Low Volume Setting:	79 dBA

Trademarks

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

Ordering Information

ASWP-2475W-FR Weatherproof Wall-mount Horn Strobe (red)
Red, 24 V, wall-mount device for use with a WPBB-R Weatherproof Back Box in outdoor and extreme environment applications

ASWP-2475W-FR

ASWP-2475C-FR Weatherproof Ceiling-mount Horn Strobe (red)
Red, 24 V, ceiling-mount device for use with a WPBB-R Weatherproof Back Box in outdoor and extreme environment applications

ASWP-2475C-FR

ASWP-2475C-FW Weatherproof Ceiling-mount Horn Strobe (white)
White, 24 V, ceiling-mount device for use with a WPBB-R Weatherproof Back Box in outdoor and extreme environment applications

ASWP-2475C-FW

Accessories

WPBB-R Weatherproof Back Box
Used to surface mount the ASWP Series Weatherproof Horn-strobes for outdoor or severe environment applications

WPBB-R