

SS-P Two-wire Indoor Horn Strobes

www.boschsecurity.com



BOSCH

Invented for life



- ▶ Plug-in design with tamper-resistant construction
- ▶ Field-selectable standard candela (15 cd, 15/75 cd, 30 cd, 75 cd, 95 cd, 110 cd, or 115 cd) settings or high candela settings (135 cd, 150 cd, 177 cd, or 185 cd)
- ▶ Horn rated at 88 dbA or greater at 16 V
- ▶ Rotary switch selection for horn tone and one of three volumes
- ▶ Shorting spring on mounting plate for continuity check before installation

The SS-P System Sensor SpectrAlert Advance notification appliances simplify installations with features such as plug-in designs, instant feedback messages to ensure correct installation of individual devices, and field-selectable candela settings. While there are products specifically designed for use on the ceiling or the wall, these products are listed to be used in either application, and the same mounting plate is used for wall- and ceiling-mount units. SpectrAlert products can be used in either DC or full-wave rectified (FWR) systems (12 V or 24 V). If required, the SSMDL or SSMDLW module can be used to provide synchronization.



Notice

Full-wave Rectified (FWR) voltage is a non-regulated, time-varying power source that is used on some power supply and panel outputs.



Notice

SpectrAlert products set at 15 cd and 15/75 cd automatically work on either 12 V or 24 V power supplies. The products are not listed for 12 V operating voltages when set to any other candela settings.

Functions

Horn

The horn has three volume options and an option to switch between a temporal Code 3 pattern and a non-temporal (continuous) pattern. These options are set by a multiple position switch.

Strobe

When wired as a primary-signaling notification appliance, the strobe complies with the Americans with Disabilities Act (ADA) requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light consists of a xenon flash tube and associated lens and reflector system.

For 24 V applications, the total number of strobes on a single NAC must not exceed 40, with a maximum loop resistance of 120 Ω. For 12 V applications, the total number of strobes must not exceed 12, with a maximum loop resistance of 30 Ω.

Certifications and approvals

System Sensor holds these Listings and Approvals:

Region	Certification	
USA	UL	ULSZ: Audible Signal Appliances (UL464)
	FM	SS-P Family
	CSFM	see our website

Installation/configuration notes

Mounting Considerations

These horn strobes mount on a standard 4-inch square back box, a 4-inch octagon back box, a single-gang back box, or a double-gang back box.

Wiring Considerations

The input terminals on the universal mounting plate accept solid wires between 12 AWG (2.3 mm) to 18 AWG (1.2 mm).

Parts included

Quant.	Component
1	Horn strobe
1	Universal mounting plate (MP120K)
1	Hardware pack
1	Literature pack

Technical specifications

Electrical

Current Draw, UL maximum at 8 V to 17.5 V

Standard-candela Models only

15 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	137 mA	136 mA RMS
Medium dB Setting:	132 mA	129 mA RMS
Low dB Setting:	132 mA	129 mA RMS

15 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	141 mA	142 mA RMS
Medium dB Setting:	133 mA	134 mA RMS
Low dB Setting:	131 mA	132 mA RMS

15/75 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	147 mA	155 mA RMS
Medium dB Setting:	144 mA	152 mA RMS
Low dB Setting:	143 mA	151 mA RMS

15/75 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	152 mA	161 mA RMS
Medium dB Setting:	145 mA	155 mA RMS
Low dB Setting:	144 mA	154 mA RMS

Current Draw, UL maximum at 16 V to 33 V

Standard-candela Models

15 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	79 mA	88 mA RMS
Medium dB Setting:	69 mA	78 mA RMS
Low dB Setting:	66 mA	76 mA RMS

15 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	91 mA	103 mA RMS
Medium dB Setting:	75 mA	85 mA RMS
Low dB Setting:	68 mA	80 mA RMS

15/75 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	90 mA	97 mA RMS
Medium dB Setting:	80 mA	88 mA RMS
Low dB Setting:	77 mA	86 mA RMS

15/75 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	100 mA	112 mA RMS
Medium dB Setting:	85 mA	95 mA RMS
Low dB Setting:	79 mA	90 mA RMS

30 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	107 mA	112 mA RMS
Medium dB Setting:	97 mA	103 mA RMS
Low dB Setting:	93 mA	101 mA RMS

30 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	116 mA	126 mA RMS
Medium dB Setting:	102 mA	110 mA RMS
Low dB Setting:	96 mA	105 mA RMS

75 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	176 mA	168 mA RMS
Medium dB Setting:	157 mA	160 mA RMS
Low dB Setting:	154 mA	160 mA RMS

75 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	176 mA	181 mA RMS
Medium dB Setting:	163 mA	166 mA RMS
Low dB Setting:	156 mA	161 mA RMS

95 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	194 mA	190 mA RMS
Medium dB Setting:	182 mA	184 mA RMS
Low dB Setting:	179 mA	184 mA RMS

95 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	201 mA	203 mA RMS
Medium dB Setting:	187 mA	189 mA RMS
Low dB Setting:	182 mA	184 mA RMS

110 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	212 mA	210 mA RMS
Medium dB Setting:	201 mA	202 mA RMS
Low dB Setting:	198 mA	194 mA RMS

110 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	221 mA	221 mA RMS
Medium dB Setting:	207 mA	208 mA RMS
Low dB Setting:	201 mA	202 mA RMS

115 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	218 mA	218 mA RMS
Medium dB Setting:	210 mA	206 mA RMS

Low dB Setting:	207 mA	201 mA RMS
-----------------	--------	------------

115 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	229 mA	229 mA RMS
Medium dB Setting:	216 mA	216 mA RMS
Low dB Setting:	210 mA	211 mA RMS

Current Draw, UL maximum at 16 V to 33 V

High-candela Models

135 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	245 mA	215 mA RMS
Medium dB Setting:	235 mA	209 mA RMS
Low dB Setting:	232 mA	207 mA RMS

135 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	255 mA	233 mA RMS
Medium dB Setting:	242 mA	219 mA RMS
Low dB Setting:	238 mA	214 mA RMS

150 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	259 mA	231 mA RMS
Medium dB Setting:	253 mA	224 mA RMS
Low dB Setting:	251 mA	221 mA RMS

150 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	270 mA	248 mA RMS
Medium dB Setting:	259 mA	232 mA RMS
Low dB Setting:	254 mA	229 mA RMS

177 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	290 mA	258 mA RMS
Medium dB Setting:	288 mA	250 mA RMS
Low dB Setting:	282 mA	248 mA RMS

177 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	303 mA	275 mA RMS
Medium dB Setting:	293 mA	262 mA RMS
Low dB Setting:	291 mA	256 mA RMS

185 cd - Temporal Code 3 Pattern

	DC	FWR
High dB Setting:	297 mA	265 mA RMS
Medium dB Setting:	297 mA	258 mA RMS
Low dB Setting:	292 mA	256 mA RMS

185 cd – Non-temporal (continuous) Pattern

	DC	FWR
High dB Setting:	309 mA	281 mA RMS
Medium dB Setting:	299 mA	267 mA RMS
Low dB Setting:	295 mA	262 mA RMS

Voltage

Nominal:	Regulated 12 VDC/FWR or Regulated 24 VDC/FWR
Operating Range:	12V nominal: 8 V to 17.5 V or 24 V nominal: 16 V to 33 V

Environmental

Relative Humidity:	10% to 93%, non-condensing
Temperature (operating):	+32°F to +120°F (0°C to +49°C)

Mechanical**Dimensions**

• Ceiling-mount (Diameter x Height):	6.8 in × 2.5 in (173 mm × 64 mm)
• Wall-mount (Height x Width x Depth):	5.6 in × 4.7 in × 2.5 in (142 mm × 119 mm × 64 mm)
Candela Selections:	15 cd ¹ , 15/75 cd ¹ , 30 cd ² , 75 cd ² , 95 cd ² , 110 cd ² , and 115 cd ²

¹ When set at these settings, the devices automatically work on both 12 V and 24 V power supplies. The 15/75 cd selection is listed at 15 cd but provides 75 cd on axis.

² The strobe is not listed for 12 V operating voltages when set to these selections. When using a 12 V control panel, this device yields required light output only in the 15 cd and 15/75 cd settings.

Horn Audibility (minimum) for DC or FWR**Temporal Code 3 Pattern**

	8 V to 17.5 V	16 V to 33 V
High dB Setting:	78 dBA	84 dBA
Medium dB Setting:	74 dBA	80 dBA
Low dB Setting:	71 dBA	76 dBA

Non-temporal (continuous) Pattern

	8 V to 17.5 V	16 V to 33 V
--	---------------	--------------

High dB Setting:	82 dBA	88 dBA
Medium dB Setting:	78 dBA	85 dBA
Low dB Setting:	75 dBA	81 dBA

Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information**SS-P2R Wall-mount, Standard-candela Horn Strobe (red)**

Red, wall-mount device with field-selectable strobe intensities of 15 cd, 15/75 cd, 30 cd, 75 cd, 95 cd, 110 cd, or 115 cd and rotary switch selection for horn tone and one of three volumes

Order number **SS-P2R**

SS-P2W Wall-mount, Standard-candela Horn Strobe (white)

White, wall-mount device with field-selectable strobe intensities of 15 cd, 15/75 cd, 30 cd, 75 cd, 95 cd, 110 cd, or 115 cd and rotary switch selection for horn tone and one of three volumes

Order number **SS-P2W**

SS-PC2R Ceiling-mount, Standard-candela Horn Strobe (red)

Red, ceiling-mount device with field-selectable strobe intensities of 15 cd, 15/75 cd, 30 cd, 75 cd, 95 cd, 110 cd, or 115 cd and rotary switch selection for horn tone and one of three volumes

Order number **SS-PC2R**

SS-PC2W Ceiling-mount, Standard-candela Horn Strobe (white)

White, ceiling-mount device with field-selectable strobe intensities of 15 cd, 15/75 cd, 30 cd, 75 cd, 95 cd, 110 cd, or 115 cd and rotary switch selection for horn tone and one of three volumes

Order number **SS-PC2W**

SS-PC2RH Ceiling-mount, High-candela Horn Strobe (red)

Red, ceiling-mount device with field-selectable strobe intensities of 135 cd, 150 cd, 177 cd, or 185 cd and rotary switch selection for horn tone and one of three volumes

Order number **SS-PC2RH**

SS-PC2WH Ceiling-mount, High-candela Horn Strobe (white)

White, ceiling-mount device with field-selectable strobe intensities of 135 cd, 150 cd, 177 cd, or 185 cd and rotary switch selection for horn tone and one of three volumes

Order number **SS-PC2WH**

Accessories**SS-BBS-2 Wall Back Box Skirt (red)**

Red back box skirt.

Not Available.

Order number **SS-BBS-2**

SS-BBSW-2 Wall Back Box Skirt (white)

White back box skirt

Order number **SS-BBSW-2**

SS-BBSC-2 Ceiling Back Box Skirt (red)

Red back box skirt.

Not Available.

Order number **SS-BBSC-2**

SS-BBSCW-2 Ceiling Back Box Skirt (white)

White back box skirt.

Not Available.

Order number **SS-BBSCW-2**

SSMDL Synchronization Module (red)

Red, 24VDC device that can connect to two Style Y (Class B) circuits or one Style Z (Class A) circuit and synchronize System Sensor SpectrAlert horns, strobes, and horn strobes.

Not Available.

Order number **SSMDL**

SSMDLW Synchronization Module (white)

White, 24VDC device that can connect to two Style Y (Class B) circuits or one Style Z (Class A) circuit and synchronize System Sensor SpectrAlert horns, strobes, and horn strobes.

Not Available.

Order number **SSMDLW**

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