

Wheelock Series RSSP Strobe Plate



K-75-016

Effective: April 2016

FEATURES

- Approvals include: UL 1971, California State Fire Marshal (CSFM), Factory Mutual (FM), Chicago (BFP) and CAN/ULC-S5206-02 for Visual Signaling Appliances
- Cost effective retrofit
- Meets OSHA 29 Part 1910.165
- Four Candela settings per device: 15, 30, 75, and 110 cd
- Synchronize with Kidde Fire Systems' families of AEGIS™ and ARIES™ Control Units or Series DSM Sync Module
- Zero inrush above peak
- Convenient wall mounting to standard backboxes
- Fast installation with IN/OUT screw terminals using #12 to #18 AWG wires
- "Fire" and "Agent" label options
- Red and white color options

DESCRIPTION

Eaton's Wheelock Series RSSP Multi-Candela Strobe Plates offer a cost-effective way to retrofit strobe appliances to bells, horns, multitones or speakers and easily mount to standard 4-in. backboxes for flush mounting or to the SBL2 backbox for surface mounting.

All strobes use a Xenon flashtube enclosed in a rugged Lexan® lens to provide maximum reliability for effective visible signaling.

All models may be synchronized when used in conjunction with the Kidde Fire Systems' families of AEGIS™ and ARIES™ Control Units or Series DSM Sync Module. Synchronized strobes can eliminate possible restrictions on the number of strobes in the field of view. The synchronized strobes offer an easy way to comply with ADA recommendations concerning photosensitive epilepsy as well as meeting the requirements of NFPA 72.



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GENERAL NOTES

- Strobes are designed to flash at 1 flash per second minimum over the Regulated Voltage Range. Note that NFPA-72 specifies a flash rate of 1 to 2 flashes per second and ADA Guidelines specify a flash rate of 1 to 3 flashes per second.
- All candela ratings represent minimum effective Strobe intensity based on UL 1971.
- Series RSSP Strobe products are listed under UL 1971 for indoor use with a temperature range of 32°F to 120°F (0°C to 49 C) and maximum humidity of 93% (± 2%).
- "Regulated Voltage Range" is the newest terminology used by UL to identify the voltage range. Prior to this change, UL used the terminology "Listed Voltage Range".

SPECIFICATIONS

Table 1: Series RSSP Current Requirements

Part Number	Average RMS Current (Amps), UL Max*			
	15 cd	30 cd	75 cd	110 cd
RSSP-24MCW-FR	0.060	0.092	0.165	0.220
RSSP-24MCW-AR	0.060	0.092	0.165	0.220
RSSP-24MCW-FW	0.060	0.092	0.165	0.220
RSSP-24MCW-AW	0.060	0.092	0.165	0.220

*RMS current ratings are per UL average RMS method. UL max current rating is the maximum RMS current within the listed voltage range (16-33v for 24v units). For strobes the UL max current is usually at the minimum listed voltage (16v for 24v units). For audible units the max current is usually at the maximum listed voltage (33v for 24v units). For unfiltered FWR ratings, see installation instructions. The above values are the same for ULC applications.

INSTALLATION NOTES



Failure to comply with the installation instructions or general information sheets could result in improper installation, application, and/or operation of these products in an emergency situation, which could result in property damage and serious injury or death.

- Contact Kidde for the current "Installation Instructions" on these products. These materials contain important information that should be read prior to specifying or installing these products, including:
 - Total current required by all appliances connected to system secondary power sources.
 - Fuse ratings on notification appliance circuits to handle peak currents from all appliances on those circuits.
 - Composite flash rate from multiple strobes within a person's field of view.
 - Adding, replacing or changing appliances or changing candela settings will effect current draw. Recalculate current draw to insure that the total average current and total peak required by all appliances do not exceed the rated capacity of the power sources or fuses.
 - The voltage applied to these products must be within their "regulated voltage range".
 - Installation of 110 candela strobe products in sleeping areas.
 - Installation in office areas and other specification and installation issues.
- Use strobes only on circuits with continuously applied operating voltage. Do not use strobes on coded or interrupted circuits in which the applied voltage is cycled on and off as the strobes may not flash.
- Conductor size (AWG), length and ampacity should be taken into consideration prior to design and Installation of these products, particularly in retrofit installations.
- Notification Appliances must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with their installation instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ).

WIRING DIAGRAMS

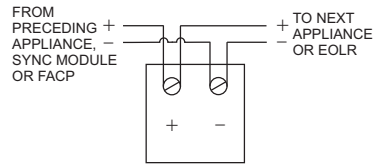


Figure 1. Series RSSP Appliance

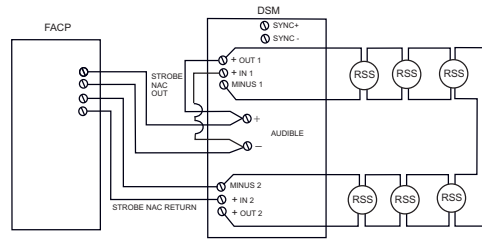


Figure 2. Series RSSP Appliances Synchronized w/DSM Module Single Class "A" NAC Circuit

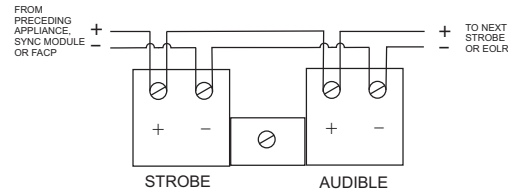


Figure 3. Strobe/Plate Assembly Audible & Visible Appliance Operate in Unison

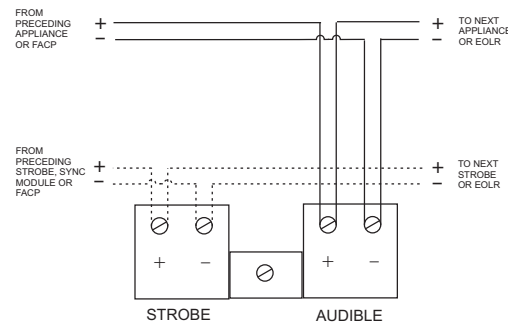


Figure 4. Strobe/Plate Assembly Audible & Visible Appliance Operate Independently

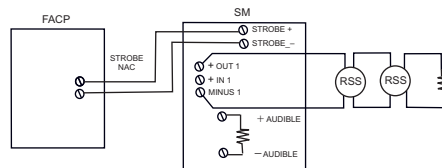


Figure 5. Series RSSP Appliances Synchronized w/SM Module Single Class "B" NAC Circuit

ORDERING INFORMATION

Table 2: Series RSSP Ordering Information

Part/Model No.	Input Voltage	Rated Candela	Strobe Label	Color
RSSP-24MCW-FR	24 Vdc	15/30/75/110	FIRE	Red
RSSP-24MCW-AR	24 Vdc	15/30/75/110	AGENT	Red
RSSP-24MCW-FW	24 Vdc	15/30/75/110	FIRE	White
RSSP-24MCW-AW	24 Vdc	15/30/75/110	AGENT	White

Table 3: Compatible Devices for RSSP Plates

Product	Series
Multitone Appliances	ATM, MT
Horns	AH, NH, HS
Motor Bells	MB-G6/G10
Speakers	ET-1010/1080, E70, ET70
Chimes	CH70

MOUNTING OPTIONS

The Series RSSP Strobe Plates wall mount to either a standard 4-inch square backbox for flush mounting, or the SBL2 backbox for surface mounting.

Note: For complete installation options, refer to the Wheelock Notification Appliance Mounting Accessories datasheet K-75-008.

DIMENSIONS

10.76 in. (H) x 5.86 in. (W) x 2.70 in. (D)

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