



wheelock

Helping People Take ActionSM

SERIES RSSR STROBES WITH RED LENS

Description:

Wheelock's patented Series RSSR Strobes with Red Lens have low current draw with outstanding performance, reliability and cost-effectiveness. The Series RSSR Strobes are UL Listed under Standard 1638 for Emergency signaling. All strobes use a Xenon flashtube enclosed in a rugged Lexan® red lens dependable visual signaling. Strobes may be synchronized when used with the Series SM or DSM Sync Module(s) or Wheelock's POWERPATH™ Power Supplies with Wheelock's Patented Sync Protocol.

Wheelock's Series RSSR Strobes employ an integral, Strobe Mounting Plate that makes it easy to mount to a variety of backboxes. The strobes can be mounted to single-gang, double-gang, 4" square, 100mm European backboxes or the SHBB surface backbox. An attractive cover plate is provided for a clean, finished appearance on all models.

Applications:

Suppression Notification
Process Notification
Emergency Notification



RSSR with
Optional Lettering



RSSR with
No Lettering

Features:

- Approvals Include: UL 1638 (Indoor)
- Low current draw
- Available with 75 or 110cd wall or ceiling mount
- 24 VDC with 16-33 volt operating range
- Synchronize with Wheelock SM, DSM Sync Modules or Wheelock's POWERPATH™ Power Supplies
- Patented Strobe Mounting Plate for single gang, double gang, 4" square 100mm European backboxes
- Available in Red or White
- Can be Special Ordered with virtually any lettering (call Customer Service)

NOTE: All CAUTIONS and WARNINGS are identified by the symbol . All warnings are printed in bold capital letters.

▲ WARNING: PLEASE READ THESE SPECIFICATIONS AND ASSOCIATED INSTALLATION INSTRUCTIONS CAREFULLY BEFORE USING, SPECIFYING OR APPLYING THIS PRODUCT. FAILURE TO COMPLY WITH ANY OF THESE INSTRUCTIONS, CAUTIONS OR WARNINGS COULD RESULT IN IMPROPER APPLICATION, INSTALLATION AND/OR OPERATION OF THESE PRODUCTS IN AN EMERGENCY SITUATION, WHICH COULD RESULT IN PROPERTY DAMAGE, AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.

General Notes:

- Strobes are designed to flash at 1 flash per second minimum over the Regulated Voltage Range of 16.0 - 33.0 VDC. Note that NFPA-72 (1999) 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.
- Series RSSR Strobe products are listed under UL 1638 (for Emergency Signaling) for indoor use with a temperature range of 32°F to 120°F (0°C to 49°C) and maximum humidity of 85% RH.
- **“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 and Ordering Information

MODEL	ORDER CODE	Wall or Ceiling	Plate Color	Lettering	STROBE CANDELA	INPUT VOLTAGE	RATED AVERAGE RMS CURRENT @ 24 VDC	UL MAX* RMS CURRENT	MOUNTING OPTIONS
RSSR-2475W-NR	8411	wall/ceiling	red	no lettering	75	24 VDC	0.200	0.315	B, D, E, F, G, H, J, N, O, R, X
RSSR-2475C-NW	3032	wall/ceiling	white	no lettering	75	24 VDC	0.200	0.315	B, D, E, F, G, H, J, N, O, R, X
RSSR-24110C-NW	3111	wall/ceiling	white	no lettering	110	24 VDC	0.270	0.420	B, D, E, F, G, H, J, N, O, R, X
RSSR-2475W-AAR	8180	wall	red	FIRE ALARM lettering	75	24 VDC	0.200	0.315	B, D, E, F, G, H, J, N, O, R, X
RSSR-2475W-AAW	8196	wall	white	FIRE ALARM lettering	75	24 VDC	0.200	0.315	B, D, E, F, G, H, J, N, O, R, X
RSSR-2475C-AAW	8179	ceiling	white	FIRE ALARM lettering	75	24 VDC	0.200	0.315	B, D, E, F, G, H, J, N, O, R, X
RSSR-24110W-AAR	8224	wall	red	FIRE ALARM lettering	110	24 VDC	0.270	0.420	B, D, E, F, G, H, J, N, O, R, X
RSSR-24110W-AAW	9393	wall	white	FIRE ALARM lettering	110	24 VDC	0.270	0.420	B, D, E, F, G, H, J, N, O, R, X
RSSR-24110C-AAW	8225	ceiling	white	FIRE ALARM lettering	110	24 VDC	0.270	0.420	B, D, E, F, G, H, J, N, O, R, X

* 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 audibles the max current is usually at the maximum listed voltage (33v for 24v units). For unfiltered FWR ratings, see installation instructions.

SYNC MODULES/POWER SUPPLY				
Model Number	Order Code	Input Voltage (VDC)	Average Current * (AMPS) @ 24 VDC	Mounting Options**
SM-12/24-R#	6369	24	.025	W
DSM-12/24-R##	6374	24	.038	W
PS-12/24-8MP###	3046	120/230 VAC	-	-
PS-12/24-8CP###	3047	120/230 VAC	-	-

SM Sync Module is rated for 3.0 amperes @ 24 VDC;

DSM Sync Module is rated for 3.0 amperes per circuit. The maximum number of interconnected DSM Modules is twenty (20). Refer to Data Sheet S3000 or Installation Instructions (P83123 for SM and P83177 for DSM).

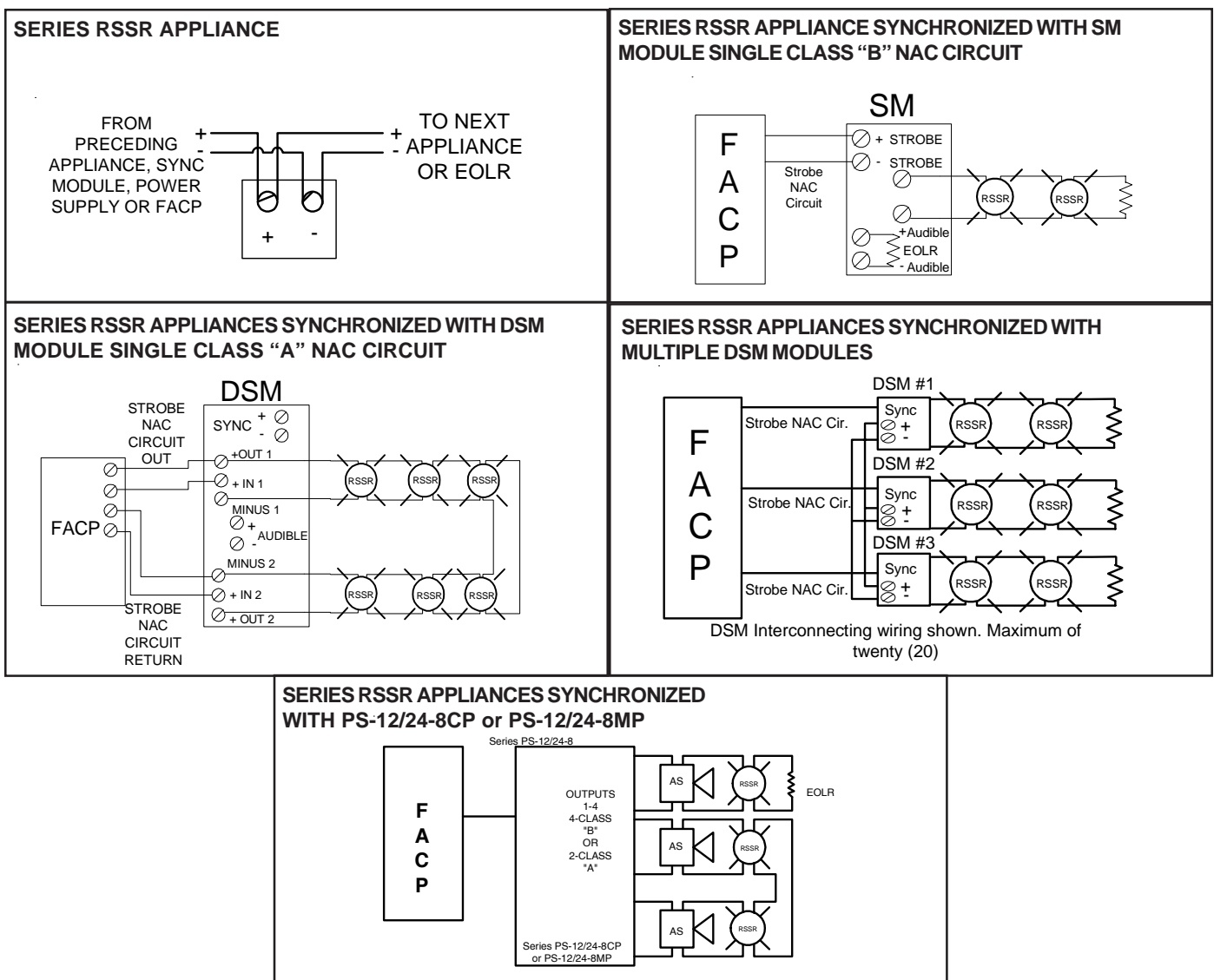
Refer to Data Sheet S9000 or Installation Instructions P84515 for PS-12/24-8CP or P84333 for PS-12/24-8MP Power Supplies.

**Refer to Data Sheet S7000 for Mounting Options.

⚠ WARNING: CONTACT WHELOCK FOR THE CURRENT “INSTALLATION INSTRUCTIONS” SERIES RSSR (P83884) “GENERAL INFORMATION” SHEET (P82380) ON THESE PRODUCTS. THESE DOCUMENTS UNDERGO PERIODIC CHANGES. IT IS IMPORTANT THAT YOU HAVE CURRENT INFORMATION 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 COULD 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”.
- 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.
- 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 TO YOU AND/OR OTHERS.
- CONDUCTOR SIZE (AWG), LENGTH AND AMPACITY SHOULD BE TAKEN INTO CONSIDERATION PRIOR TO DESIGN AND INSTALLATION OF THESE PRODUCTS, PARTICULARLY IN RETROFIT INSTALLATIONS.

Wiring Diagrams



For detail using SM or DSM Sync Module refer to Data Sheet S3000 or Installation Instructions (P83123 for SM and P83177 for DSM). For wiring information on the PS-12/24-8CP and PS-12/24-8MP Power Supplies refer to Installation Instructions P84515 and P84333.

Wheelock products 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).

Architects and Engineers Specifications

The visual notification appliances shall be Wheelock Series RSSR Strobe Appliances with Red Lens, or approved equals. The strobes shall be UL 1638 approved for indoor use only. All strobes shall be certified to meet FCC Part 15 Class B. The strobe appliances shall produce a flash rate of one (1) per second minimum over the Regulated Voltage range of 16 to 33 VDC for 24-volt models. All inputs shall be polarized for compatibility with standard reverse polarity supervision of circuit wiring by a Fire Alarm Control Panel (FACP).

All visual appliances shall incorporate a Xenon flashtube enclosed in a rugged Lexan® red lens. The Series RSSR Strobes with Red Lens shall be of a low current design. Series RSSR Strobe Appliances with Red Lens shall incorporate circuitry for synchronized strobe flash and shall be designed for compatibility with Wheelock's Series SM, DSM Sync Module(s) or Wheelock's PS-12/24-8MP and PS-12/24-8CP Power Supplies with Wheelock's Patented Sync Protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync module fails to operate (i.e., contacts remain closed), the strobes shall revert to a non-synchronized flash rate.

The visual appliance shall be designed for indoor surface or flush mounting. Series RSSR with Red Lens models shall employ a patented Strobe Mounting Plate that shall allow mounting to a single-gang, double-gang, 4 inch square, 100mm European type backboxes, or the SHBB Surface Backbox. If required, an NATP (Notification Appliance Trim Plate) shall be provided. An attaching cover plate shall be provided to give the appliance an attractive appearance. The aesthetic appearance shall not have any mounting holes or screw heads visible when the installation is completed.

Due to continuous development of our products, specifications and offering are subject to change without notice in accordance with Wheelock, Inc. standard terms and conditions.

**WE ENCOURAGE AND SUPPORT NICET CERTIFICATION
MADE IN THE USA
3 YEAR WARRANTY**

NATIONAL SALES OFFICE

800-631-2148

Canada 800-397-5777

E-Mail: Info@wheelockinc.com

<http://www.wheelockinc.com>



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