



# S-24WR

## SELECTABLE CANDELA STROBE



P/N: 98393

### Features

- 24VDC units have field selectable candela options of 15, 30, 60, 75, & 110
- Super-Slide® Bracket - Ease of Supervision Testing
- Checkmate® - Instant Voltage Verification
- Synchronize strobe and/or horn with AVSM Control Module
- Prewire entire system, install mounting bracket, then install signals
- Documented lower installation and operating costs
- Input terminals accept 12 to 18 AWG
- Tamperproof re-entrant style grill
- Surface mount with the AVBB (Surface Mount Back Box) or mounts to standard single gang or double gang box or double workbox
- Silence audible while visual appliance will remain flashing (for use in accepted jurisdictions)

### Dimensions

- 5" (12.7 cm) height x 4.5" (11.43 cm) wide x 2.5" (6.35 cm) deep

### Operating temperature

- 32°F to 120°F (0°C to 49°C). The S-24WR is not listed for outdoor use. Use models S-24WR-WP (P/N 98395) or SLP-24WR-WP (P/N 98396) for outdoor use (Refer to DS1282 for more information.)

The S-24WR is a low profile strobe that offers dependable visual alarms and the absolute lowest current available.

The S-24WR 24VDC offers tamperproof field selectable candela options of 15, 30, 60, 75, and 110 candela.

The S-24WR has a minimal operating current and has a minimum flash rate of 1Hz regardless of input voltage.

This Series is shipped with a standard 4" metal mounting plate which incorporates the popular Super-Slide® feature that allows the installer to easily test for supervision. The product also features a locking mechanism which secures the product to the bracket without any screws showing.

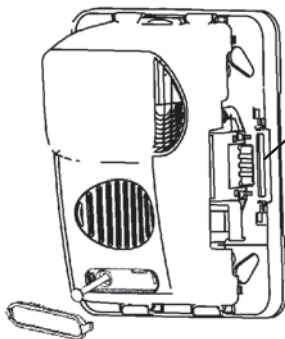
The S-24WR also features the patented Checkmate® - Instant Voltage Verification feature which allows the installer to check the voltage drop draw and match it to the blueprint.

The S-24WR appliance is ANSI/UL 464 and ANSI/UL 1971, listed for use with fire protective systems.



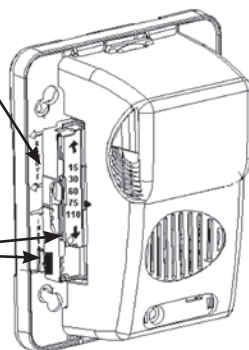
### Super-Slide<sup>®</sup> Mounting Bracket

Allows the installer to pre-wire the system, test for system supervision, remove the signal head until occupancy, switch out signals without changing mounting brackets and has locking edge connector for snap-in place installation.



Candela selection slider switch. Depress center and slide switch to desire brightness level.

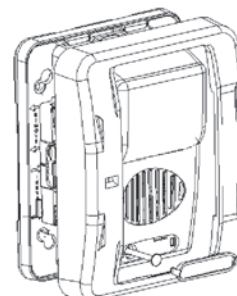
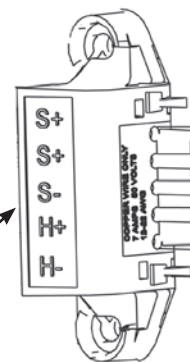
Break off pin and insert into hole at the bottom of the selector to lock candela setting. Signal must be removed from bracket and pin pushed forward from backside out of hole to change candela.



### Checkmate<sup>®</sup> Instant Voltage Verification

It is often necessary to confirm the voltage drop along a line of devices. The access holes are provided in the back of the terminal block to allow the voltage to be measured directly without removing the device. Typically this would be done at the end of the line to confirm design criteria. Most measurements will be taken using the S+ and S- locations although access is provided to other locations.

NOTE: Care should be taken to not short the test probes.



To remove bezel, grip both sides of bezel and pull in a downward and outward motion.

Candela	24 VDC (16-33 Volts)	
	24 VDC	UL Max <sup>1</sup>
15 cd	30 mA	42 mA
30 cd	35 mA	58 mA
60 cd	66 mA	97 mA
75 cd	80 mA	116 mA
110 cd	103 mA	161 mA

#### NOTES:

- For nominal and peak current across ANSI/UL regulated voltage range for filtered DC power and unfiltered (FWR [Full Wave Rectified]) power, see installation manual.
- Janus Fire Systems does not recommend using a coded or pulsing signaling circuit with any of our strobe products.



## Engineering Specifications

The visible signal shall be S-24WR or approved equal and shall be listed by Underwriters Laboratories, Inc. per ANSI/UL 1971 and/or ANSI/UL 464.

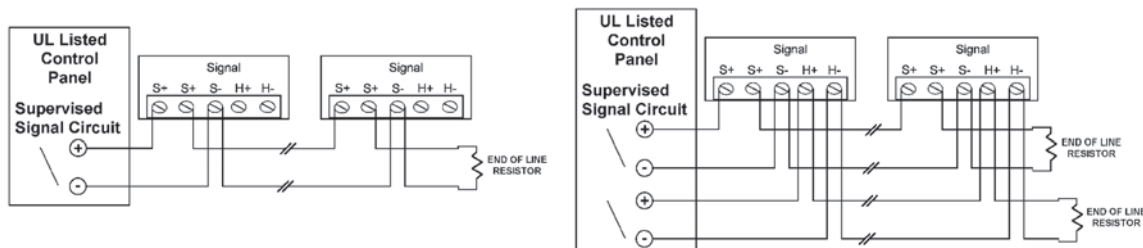
Unit shall be capable of being installed so that any unauthorized attempt to change the candela setting will result in a trouble signal at the fire alarm control panel.

The visible signaling appliance shall also maintain a minimum flash rate of 1Hz or up to 2Hz regardless of power input voltage. The strobe appliance shall have an operating current of 42mA or less at 24VDC for the 15Cd strobe circuit.

The appliance shall be polarized to allow for electrical supervision of the system wiring. The unit shall be provided with a mounting bracket with terminals and barriers for input/output wiring and be able to mount to a single gang or double gang box or double workbox without the use of an adapter plate. The unit shall have an input voltage range of 16-33 volts with either direct current or full wave rectified power for 24VDC models.

The appliance shall be capable of testing supervision without disconnecting wires, verify voltage without removing unit and be capable of mounting to a surface back box.

## Conventional Wiring Diagrams for Emergency Notification Evacuation Series



### NOTES:

- All strobes are designed to flash as specified with continuous applied voltage. Strobes should not be used on coded or pulsing signaling circuits. However, use of the AVSM-R control module (P/N 98377) or Gentex synchronization protocol is permitted to synchronize the strobe, horn and/or mute the horn.
- FOR SYNCHRONIZATION WIRING INFORMATION, REFERENCE AVSM-R CONTROL MODULE DATA SHEET (DS1284) AND/OR AVSM CONTROL MODULE MANUAL FOR SYNCHRONIZATION MODULE WIRING DIAGRAMS.



## Ordering Information

Model Number	Description	P/N
S-24WR	Selectable Candela Strobe (red)	98393
AVBB-R	Surface Mount Backbox, Indoor (red)	98378
HSNG-AGENT-R	Bezel "AGENT" (red)	98376
HSNG-ALERT-R	Bezel "ALERT" (red)	98375

*Note: Approvals/Listings maintained by and manufactured by Potter Electric Signal Company.*

The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, except as expressly stated in the seller's sales contract or sales acknowledgment form. Every attempt is made to keep our product information up-to-date and accurate. All specific applications cannot be covered, nor can all requirements be anticipated. All specifications are subject to change without notice.



1102 Rupcich Drive  
Millennium Park  
Crown Point, IN 46307  
TEL: (219) 663-1600 FAX: (219) 663-4562  
e-mail: [info@janusfiresystems.com](mailto:info@janusfiresystems.com)  
[www.janusfiresystems.com](http://www.janusfiresystems.com)