

# STWC, STR - UL ceiling and wall mounted synchronised strobes



The ceiling mounted, STWC and wall mounted STR horn strobes are designed to exceed your expectations and offer the most polished, feature rich and cost effective solution.

Both the STWC and the STR are compatible with the Eaton UL Listed range of intelligent addressable fire systems.

Architects and engineers can now specify the industries sleekest looking fire notification appliance, while being afforded all the features and benefits that provide the industry's lowest total cost of ownership.

The combination of 12V dc and 24V dc in one unit provides the capability to use a single unit for different installation requirements

These units use a universal, common mounting base making them ideal for retrofit jobs, limited space environments and pre-existing wire configurations.

They come complete with a contact cover for protection against dirt, dust, paint and damage to the contacts. This contact cover also acts as a shunting device to allow pre-wire testing for common wiring issues.

## Features and benefits

- Wall or ceiling mounting options
- Common mounting base
- Contact cover
- Industry's highest strobe candela options
- Field selectable tone, dBA and candela settings
- In/out wiring termination accepting two #12-18 AWG wires at each terminal
- Quick and simple to install
- Up to 48% savings in current draw (over similar products)
- Voltage test points for quick troubleshooting and easy spot checking
- Contact cover provides protection from dirt, dust, paint and accidental damage, it also allows for pre-wire testing and troubleshooting

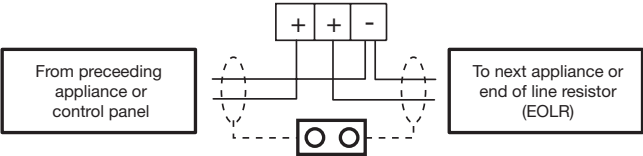
Specifier’s guide

3.4 Accessories

Technical specification

Code	STR / STWC
Description	Horn strobes, wall mounted / ceiling mounted
Standards	UL Standard 1971
Operation	
12/24V dc	15/1575/30/75/95/110/135/185cd
Environmental	
Operating temperature	0°C to 49°C
Humidity (non condens-ing)	0 to 93 %RH
Compatibility	

Standard connection



**WARNING:**  
Do NOT use high voltage testers if ANY equipment is connected to the system.  
Screen (Earth) must be continuous along entire length of cable  
Wiring method shall be in accordance with CSA C22.1, Canadian Electrical Code, Part 1, Safety Standard for Electrical Installations, Section 32.

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- All strobe appliances have in-out wiring terminals that accept two #12 to #18 American Wire Gauge (AWG) wires at each screw terminal. Strip leads 3/8 inches and connect to screw terminals.
  - Break all in-out wire runs on supervised circuits to ensure integrity of circuit supervision. The polarity shown in the wiring diagrams is for the operation of the appliances. The polarity is reversed by the control panel during supervision.

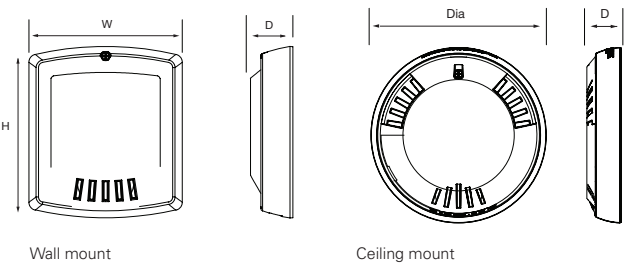
Current draw ratings

UL max current\*  
Ratings per UL  
1971  
and Anechoic at  
24V dc

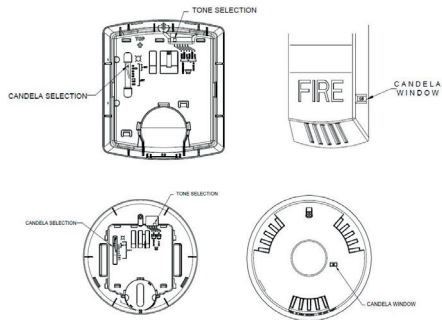
	24V dc												12V dc	
Mode regulated Voltage range	15	15/75	30	60	75	95	110	115	135	150	177	185	15	15/75
STR 8.0V dc to 33.0V dc	0.057	0.070	0.085		0.135	0.163	0.182		0.205			0.253	0.110	0.140
STWC 8.0V dc to 33.0V dc	0.061		0.085	0.103	0.135	0.163		0.182		0.205	0.253		0.110	

\* UL max current rating is the maximum RMS current within the listed voltage range (16-33V dc for 24V dc units). For strobes the UL max current is usually at the minimum listed voltage (16V dc for 24V dc units). For audibles the max current is usually at the maximum listed voltage (33V dc for 24V dc units). For unfiltered ratings, see installation instructions.

Dimensions



Horn unit details



Horns, strobes and horn strobes

Eaton’s Multi-Candela Strobes can provide a synchronized strobe appliance when used in conjunction with our UL listed Fire Alarm Control Panels. The Strobe Appliances are UL Listed under Standard 1971 (Signaling Devices for the Hearing Impaired) for indoor Fire Protection Service. They are listed for indoor use only. Eaton’s Horn Appliances provide a selectable Continuous or Code 3 Horn tone when connected directly to the FACP. They can also provide a synchronized Code 3 Horn tone when connected in conjunction with an FACP that incorporates the Wheelock patented sync protocol, Wheelock DSM sync modules, Wheelock power supplies, or SAFEPATH family of products. The Horn Appliances can be field set for High (HI), Medium (MED), or Low (LO) dBA sound output. The Horn Appliances are UL Listed under Standard 464 for Audible Signal Appliances. They are listed for indoor use only. All models are designed for use with either filtered DC (VDC) or unfiltered Full-Wave-Rectified (VRMS) input voltage. All inputs are polarized for compatibility with standard reverse polarity supervision of circuit wiring by a FACP. The ST Strobe, HS Horn/Strobe, and the HN Horn are for 12V or 24V operation. Strobe devices for 12V are only approved by UL to be set at 15cd, and 15-75cd, and only to be powered by DC not FWR.

Catalogue numbers

Description	Code
Synchronised strobe, wall mount	STR
Synchronised strobe, ceiling mount	STWC