

# SH24W-75110

## SELECT-A-STROBE/HORN COMBINATION



- Meets or exceeds NFPA/ANSI Standards and ADA Accessibility Guidelines
- UL Listed for wall mounting
- Screw terminal capacity AWG #12
- Universal mounting plate included
- Polarized strobes with wide operating voltage range using filtered DC or unfiltered FWR input voltage
- Horn field selectable tones:
  - 3000 Hz interrupted or electro-mechanical
  - Temporal or Non-temporal
  - High or low dBA output
- Mounts to 4" square, single gang, double gang, or octagonal back box
- Synchronization requires Sync Module (SMD10-3A)
- Available in red or white housing



The SH24W series features a unique candela intensity field selector switch for alternating the candela output 75cd to 110cd. The horn provides two different field selectable tones, and a high/low output setting that can be achieved with the use of mini-jumpers located on the back of the unit. These appliances are polarized for connecting to supervised fire alarm circuits. The strobe is designed with a xenon flash tube and provides a candela intensity field selector switch for maximum performance. The SH24W-75110 can be synchronized by using the SMD10-3A Sync Module to comply with NFPA recommendations concerning photosensitive epilepsy when installing two or more visual appliances within the field of view. The strobe signals are listed for indoor use, wall mount, under UL 1971 Standard.

Amseco's Select-A-Horn/Strobe Series is designed to comply with the Americans with Disabilities Act (ADA) and meet UL Standard 1971 requirements for emergency signaling devices for the hearing impaired.

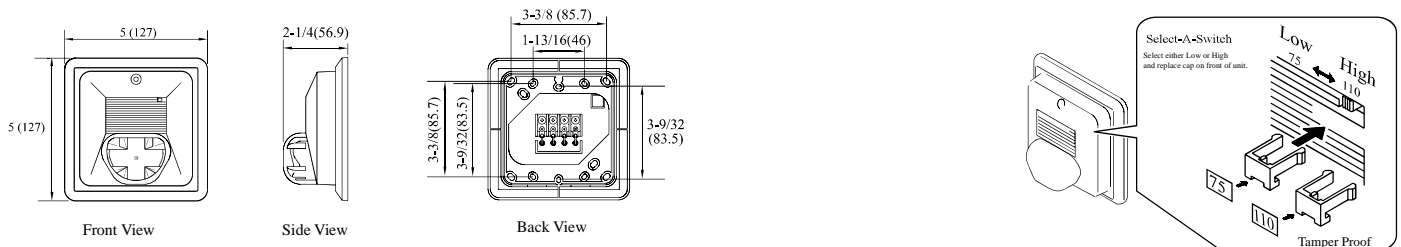
### Ordering Information

Model Number	Stock Number	Housing Color	Input Voltage	Operating Voltage Range	Selectable Strobe Output (cd)	Horn Sound Output	Wiring Type	Mounting Type	Sync Module	Operating Temperature Range
SH24W-75110R	4560009	Red	Regulated 24V DC/ FWR	16-33 VDC 16-33 VFWR	75 or 110	Selectable	Terminals	Wall Mount	SMD10-3A	32°F - 120°F (0°C - 49°C)
SH24W-75110W	4560010	White								

### Engineering Specifications

The audible and visual alarm indicating appliances shall be amseco model SH24W-75110 or equivalent device. The strobe shall be listed under UL 1971 Standard for signaling devices for the hearing impaired and shall be approved for fire protective service. The candela output shall be field selectable, having a dual setting of 75cd or 110cd output. The horn shall provide two different field selectable, temporal, or steady tones, and a high/low field selectable sound output setting. The signaling strobe shall operate on 24V DC from a non-coded, regulated, DC supply or full-wave rectified, unfiltered supply. The horn may operate on 24V DC coded system. The strobe shall be designed to produce one signal flash per second with continuously applied minimum voltage. The strobe/horn shall have a universal back mounting plate, capable of wall mounting to a back box. When strobe synchronization is required, the strobe/horn shall be compatible with the Amseco SMD10-3A (daisy chain) or other source of Amseco sync protocol. Audible and visual signaling devices shall be installed in accordance with current NFPA guidelines.

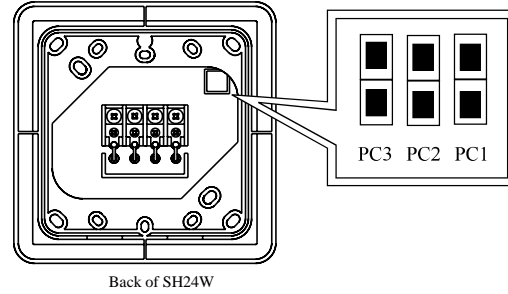
### Dimensions: inches (mm)



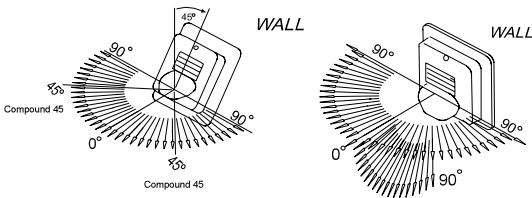
### UL Required Minimum Light Output

Degrees	Horizontal		Vertical	
	75cd	110cd	75cd	110cd
0	75.00	110.00	75.00	110.00
5-25	67.50	99.00	67.50	99.00
30	56.25	82.50	67.50	99.00
35	56.25	82.50	48.75	71.50
40	56.25	82.50	34.50	50.60
45	56.25	82.50	25.50	37.40
50	41.25	60.50	20.25	29.70
55	33.75	49.50	16.50	24.20
60	30.00	44.00	13.50	19.80
65	26.25	38.50	12.00	17.60
70	26.25	38.50	11.25	16.50
75	22.50	33.00	9.75	14.30
80	22.50	33.00	9.00	13.20
85-90	18.75	27.50	9.00	13.20
Compound 45	18.00	26.40	-	-

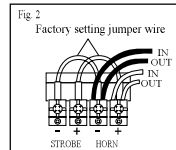
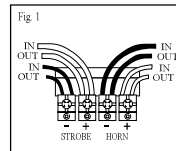
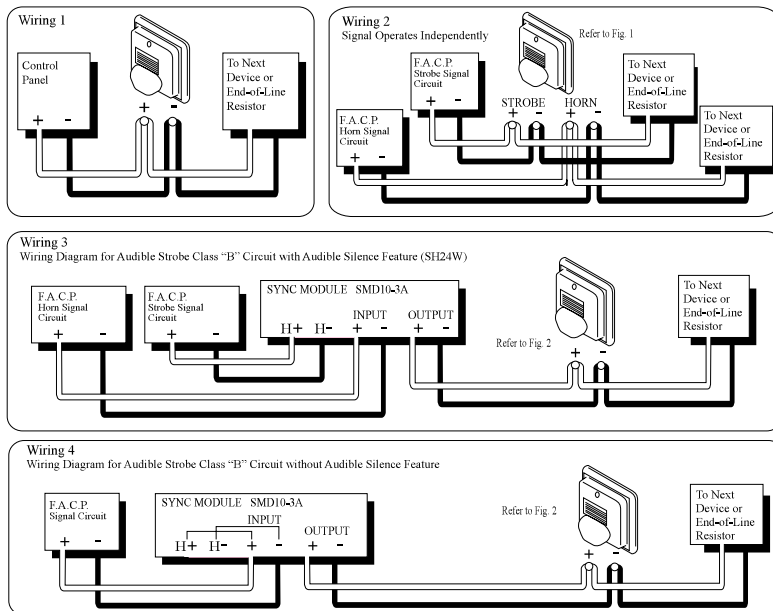
### Specifications



Tone Selection	PC3 Pattern	PC2 Tone	PC1 Volume
Jumper	Non-Temporal	Electro-Mechanical	High
	Temporal	3000Hz	Low



### Wiring Diagram



# SH24W-75110

## SELECT-A-STROBE/HORN COMBINATION

**Current Draw Table**

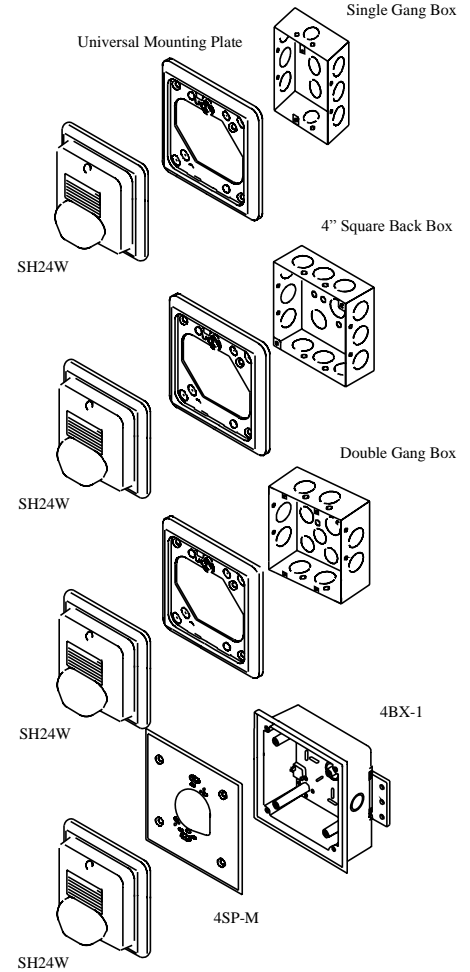
			PC3: Pattern PC2: Tone PC1: Volume			Maximum RMS Operating Current (mA)		Minimum Sound Output (dBA at 10ft per UL464)	
			PC3	PC2	PC1	Regulated 24V DC (Typical)	Regulated 24V FWR (Typical)	Regulated 24V DC	
Horn & Strobe 75cd	Non-Temporal	Electro Mechanical	HIGH	1	1	1	161 (130)	206 (186)	83
		3000 Hz	LOW	1	1	0	158 (111)	203 (161)	74
		Electro Mechanical	HIGH	1	0	1	167 (130)	214 (186)	84
	Temporal	3000 Hz	LOW	1	0	0	155 (111)	200 (161)	74
		Electro Mechanical	HIGH	0	1	1	161 (130)	206 (186)	79
			LOW	0	1	0	158 (111)	203 (161)	69
3000 Hz	HIGH	0	0	1	167 (130)	214 (186)	80		
LOW	0	0	0	155 (111)	200 (161)	70			
Horn & Strobe 110cd	Non-Temporal	Electro Mechanical	HIGH	1	1	1	213 (162)	271 (226)	83
			LOW	1	1	0	210 (113)	268 (201)	74
		3000 Hz	HIGH	1	0	1	219 (162)	279 (226)	84
	Temporal	Electro Mechanical	LOW	1	0	0	207 (113)	265 (201)	74
			HIGH	0	1	1	213 (162)	271 (226)	79
		3000 Hz	HIGH	0	0	1	219 (162)	279 (226)	80
LOW	0	0	0	207 (113)	265 (201)	70			
Horn Only	Non-Temporal	Electro Mechanical	HIGH	1	1	1	57	91	83
			LOW	1	1	0	42	44	74
		3000 Hz	HIGH	1	0	1	70	68	84
	Temporal	Electro Mechanical	LOW	1	0	0	36	38	74
			HIGH	0	1	1	57	91	79
		3000 Hz	HIGH	0	0	1	70	68	80
LOW	0	0	0	36	38	70			

Strobe Light Only	Max. RMS Operating Current (mA)	
	Regulated 24V DC (Typical)	Regulated 24V FWR (Typical)
75cd	143 (95)	198 (141)
110cd	198 (127)	266 (181)

Under ULC 525/526	ULC Current @ 24V DC (mA)	
	Low Volume	High Volume
75cd	111	130
110cd	138	157

Sound Output Dispersion ULC		Horizontal dB	Vertical dB
DEGREES	+90	-6	-3
	+60	-2	-2
	+30	-1	-1
	0	0	0
	-30	-1	-3
	-60	-2	-5
	-90	-6	-6

**Installation Options**



**WARNING**

Strobes must be used only on circuits with continuously operating voltage. DO NOT use strobe on coded or interrupted circuits in which the applied voltage is interrupted ON and OFF as the strobe may fail to flash. The applied voltage must be within its rated input voltage range. Fuse ratings on signaling circuits must handle peak currents from all devices connected to those circuits.