

FW29X1 SERIES

HORN STROBE

DS_5094_1



HORN STROBE

General

The FW2961R, FW2961W Horn Strobe, FW2971R, FW2971W Horn, and FW2981R, FW2981W Strobe are a family of visual and audible signal appliances with light sources generated from white LED, listed according to UL 1971, UL 1638, UL 464, ULC - S525, ULC - S526.

Addressable, conventional, and independent modes are programmable. Weather-proof base seal and back box are offered.



Features

- Conventional addressable programmable with FW2411 programmer
- Low power consumption and high-performance LED light source
- Six levels of light outputs
- Seven levels of sound outputs
- 6 optional tones
- Automatic synchronization under addressable mode

Electronic and mechanical spec.

Operating Temperature	-10° C to 55° C (14° F to 131° F)
Operating Humidity	0 to 95% RH Non-condensing
Horn Pattern	Temporal 3, Temporal 4, steady, 20 bpm, 60 bpm, 120 bpm
Strobe Pattern	1 flash per second
Wire Size	12 to 18 AWG
Location	Indoor wall/ceiling
Product Color	Red: FW2961R, FW2971R, FW2981R White: FW2961W, FW2971W, FW2981W
Compatible FACP	FW105, FW106, FW106S, FW131, FW2105, FW2107
Compatible Base	FW900W/FW901W/FW900R/FW901R

Specification

Electronic and mechanical spec.

Operating Voltage	16 to 33 VDC (regulated 24VDC)		
Effective Light (cd)	177, 140, 110, 75, 30, 15		
Directional Characteristics	Horizontal Axis	Angle	OSPL (dBA)
		0° (ref)	0 (ref)
		± 56°	-3
		± 60°	-6
		± 90°	-4.9
	Vertical Axis	Angle	OSPL (dBA)
		0° (ref)	0 (ref)
		± 45°	-3
		± 61°	-6
		± 90°	-6.9
Outer diameter 13.7cm, height 7.0cm	FW2961W/FW2961R/FW2981W/FW2981R, with FW900R or FW900W base.		
Outer diameter 16cm, height 7.0cm	FW2961W/FW2961R/FW2981W/FW2981R, with FW901R or FW901W base.		
Outer diameter 13.7cm, height 5.8cm	FW2971W/FW2971R, with FW900R or FW900W base.		
Outer diameter 16cm, height 5.8cm	FW2971W/FW2971R, with FW901R or FW901W base.		
Outer diameter 16.6cm	MA-BWA-M base seal for weather-proof, only fit FW901W or FW901R bases.		
11.2cm x 11.2cm	model W88 weather-proof back box		

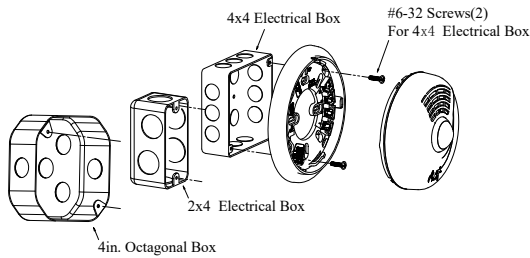
Sound Output-FW2961R, FW2961W

FW2961	OSPL (dBA) at 3 metres (10 ft)					
	UL 464 Reverberant			ULC-S525 Anechoic		
	16Vd _c	24Vd _c	33Vd _c	16Vd _c	24Vd _c	33Vd _c
Volume						
A (Highest)	84	87	88	89	92	93
B	82	86	86	88	90	90
C	82	83	83	86	88	88
D	80	80	80	85	85	85
E	77	77	77	81	81	82
F	71	71	71	76	76	76
G (Lowest)	67	67	67	71	71	71

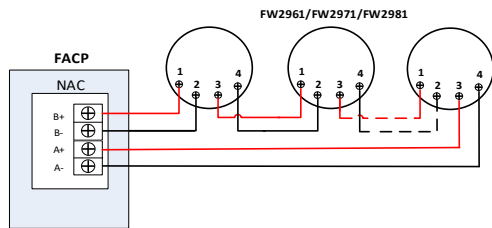
Sound Output-FW2971R, FW2971W

FW2971	OSPL (dBA) at 3 metres (10 ft)					
	UL 464 Reverberant			ULC-S525 Anechoic		
	16Vd _c	24Vd _c	33Vd _c	16Vd _c	24Vd _c	33Vd _c
Volume						
A (Highest)	88	89	89	92	93	93
B	85	86	86	90	91	91
C	83	83	83	88	88	88
D	80	80	80	85	85	85
E	76	77	77	82	82	82
F	72	72	72	77	77	77
G (Lowest)	67	67	67	72	72	72

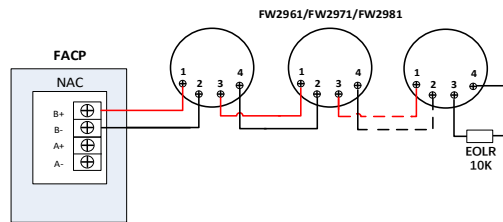
Installation and wiring



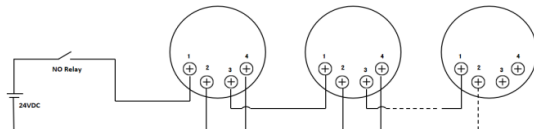
The product fits 4x4 back box, 2x4 back box and 4-inch. Octagonal box.



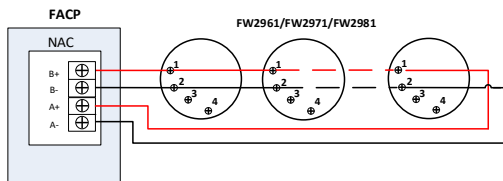
(a) Conventional – Class A with MA panel



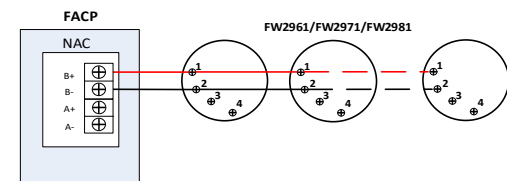
(b) Conventional – Class B with MA panel



(c) Conventional – Class B with external power supply under Independent Mode



(d) Addressable – Class A with MA panel



(e) Addressable – Class B with MA panel

Standards

UL 1971: Standard for Signaling Devices for the Deaf and Hard of Hearing

UL 1638: Visible Signaling Devices for Fire Alarm and Signaling Systems

UL 464: Audible Signaling Devices for Fire Alarm and Signaling Systems

ULC - S525: Audible Signaling Devices for Fire Alarm and Signaling Systems

ULC - S526: Standard for Visible Signaling Devices for Fire Alarm and Signaling Systems

Agency listings and approvals

UL, ULC

Compatibility

Addressable and conventional mode: FW2105, FW2107, FW106, FW105

Independent mode: External 24VDC power supply

Installation bases: FW900R, FW901R, FW900W, FW901W

Base weather-proof seal: MA-BWA-M

Weather-proof back box: WBB

Ordering information

Model	Ordering Code	Description	Listing	UOM	COO	MOQ	MPQ
FW2961W	FW2961W	HORN STROBE, WHITE, NEED TO ORDER BASE	UL/ULC	ea.	China	1	1
FW2971W	FW2971W	HORN, WHITE, NEED TO ORDER BASE	UL/ULC	ea.	China	1	1
FW2981W	FW2981W	STROBE, WHITE, NEED TO ORDER BASE	UL/ULC	ea.	China	1	1
FW2961R	FW2961R	HORN STROBE, RED, NEED TO ORDER BASE	UL/ULC	ea.	China	1	1
FW2971R	FW2971R	HORN, RED, NEED TO ORDER BASE	UL/ULC	ea.	China	1	1
FW2981R	FW2981R	STROBE, RED, NEED TO ORDER BASE	UL/ULC	ea.	China	1	1
FW2981R	FW2981R-FIRE	STROBE, RED, "FIRE" PRINTING ON SURFACE, INDEPENDENT MODE AND LOWEST LIGHT INTENSITY SETTING AS DEFAULT, NEED TO ORDER BASE	UL/ULC	ea.	China	1	1
FW900W	FW900W	INSTALLATION BASE, WHITE	UL/ULC	ea.	China	1	1
FW900R	FW900R	INSTALLATION BASE, RED	UL/ULC	ea.	China	1	1
FW901W	FW901W	INSTALLATION BASE, WHITE, WITH OUTER FLANGE	UL/ULC	ea.	China	1	1
FW901R	FW901R	INSTALLATION BASE, RED, WITH OUTER FLANGE	UL/ULC	ea.	China	1	1
MA-BWA-M	MA-BWA-M	BASE SEAL FOR FW901W OR FW901R, IVORY COLOR		ea.	China	5	5
WBB	WBB	WEATHER-PROOF BACK BOX, RED, SHOULD INSTALL WITH FW901W/R BASE AND MA-BWA-M SEAL	UL	ea.	China	1	1
FW2411	FW2411	MAPLE ARMOR HANDHELD PROGRAMMER	UL	ea.	China	1	1