



## Horn & Horn/Strobe

FW962/ FW982



### DESCRIPTION

The FW962GR/W Horn Strobes and FW982GR/W Strobes are a family of multi-candela visual and audible signal appliances with light sources generated from white LED, listed according to UL 1971, UL 1638, UL 464, ULC-S525 and ULC-S526 for indoor use. The LED light source offers superior performance, including low power consumption and long operating life. Six levels of light output are selectable. Figure 1 shows relative light outputs in horizontal and vertical dispersion from strobes mounted on walls/ceilings. The strobe appliances produce a flash rate of one flash per second over the Regulated Voltage Range. The temporal tone generated by the horn portion is designed as per ANSI and NFPA72 for standard emergency evacuation signaling requirement. The appliance has the feature that can synchronize multiple horn and/or strobes in a complete fire alarm system.

### ATTENTION

Products must be installed in accordance with the National Fire Alarm Code, NFPA 72, CAN / ULC-S524 and / or National Electrical Code, depending on the country of the installation. Check information on equipment used in the system from other manufacturers for instructions and restrictions. The detector should never be installed in the following places: where there is a lot of exhaust gas, kitchens, near fireplaces, boilers, etc. Smoke detectors should not be used with detector guards unless the suit has been evaluated and approved for this case.

### NOTE

Do not paint this unit.

Any material extrapolated from this document or Maple Armor's instructions or other materials describing the product for promotional or advertising purposes, or for any other purpose, including the description of the application, the use, installation and testing of the product is the sole responsibility of the user. Maple Armor assumes no responsibility for the use. In no event shall Maple Armor's liability exceed the purchase price of the product.

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# INSTALLATION

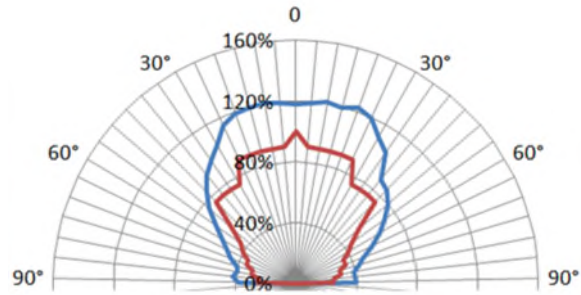
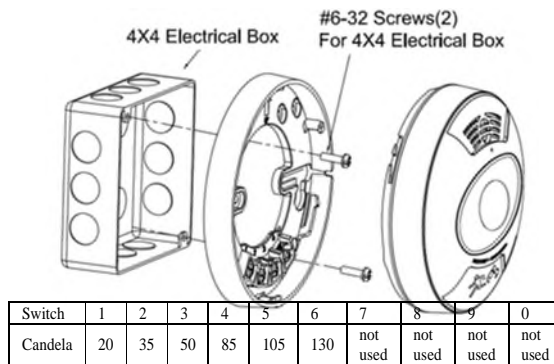
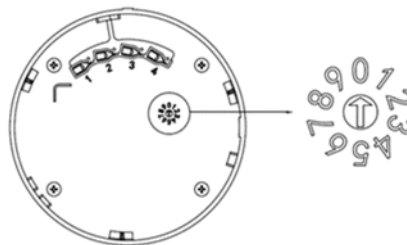


Figure 1 Horizontal and Vertical Light Outputs

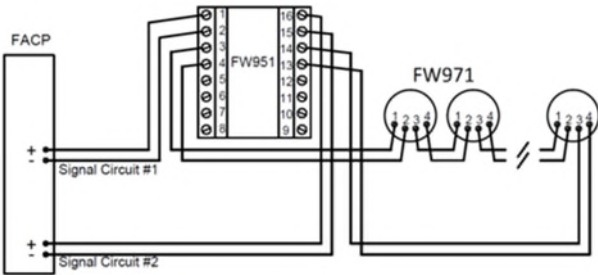
1. Mount the FW900/FW901 base onto a 4x4 electrical box, see Figure 1.



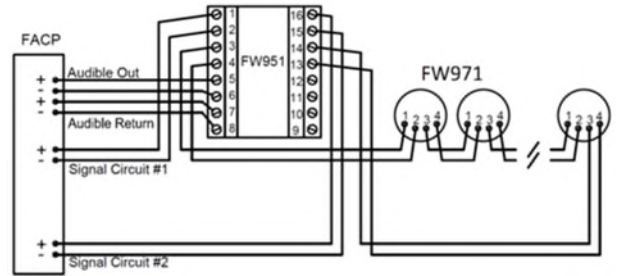
2. Set the strobe signal level to the desired setting



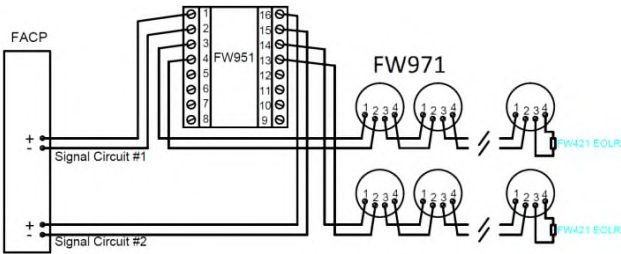
Sélectionnez	1	2	3	4	5	6	7	8	9	0
Candela	20	35	50	85	105	130	Non utilisé	Non utilisé	Non utilisé	Non utilisé



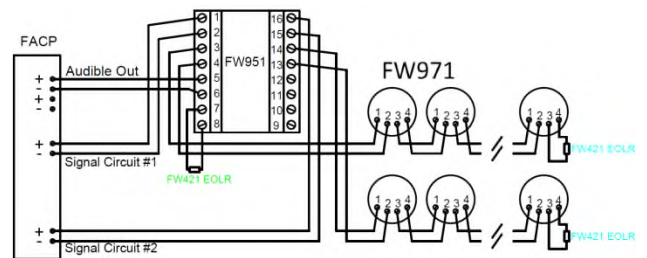
Class A Circuit without Audible Silence Feature



Class A with Audible Silence Feature



Class B without Audible Silence Feature



Class B with Audible Silence Feature

SPECIFICATION

<b>Operating Voltage</b>	16 to 33 VDC/FWR						
<b>RMS Operating Current @16 Vdc (mA)</b>		130 cd	105 cd	85 cd	50 cd	35 cd	20 cd
	FW962GR FW962G W	164	126	85	55	47	30
	FW982GR FW982G W	156	119	80	49	43	28
<b>RMS Operating Current @16Vfwr (mA)</b>		130 cd	105 cd	85 cd	50 cd	35 cd	20 cd
	FW962GR FW962G W	187	158	10 2	66	58	38
	FW982GR FW982G W	154	150	97	61	53	35
<b>Sound Level (dBA)</b>	Voltage	16V dc/fwr		24V dc/fwr	33V dc/fwr		
	UL Reverbera nt	77		81	85		
	ULC Anechoic	85		88	91		
<b>Directional Characteristics</b>	Horizontal Axis	Angle	OSPL (dBA)				
		0° (ref)	0 (ref)				
		± 44°	-3				
		± 54°	-6				
		± 90°	-10.5				
	Vertical Axis	Angle	OSPL (dBA)				
		0° (ref)	0 (ref)				
		± 52°	-3				
		± 55°	-6				
		± 90°	-12				
<b>Effective Light (cd)</b>	130, 105, 85, 50, 35, 20 (See Figure 3 for candela selection)						
<b>Operating Temperature</b>	0° C to 49° C (32° F to 120° F)						
<b>Operating Humidity</b>	0 to 93% RH						
<b>Horn Pattern</b>	Temporal 3						
<b>Strobe Pattern</b>	1 flash per second						
<b>Wire Size</b>	12 to 18 AWG						
<b>Location</b>	Indoor wall/ceiling						
<b>Compatible Model</b>	FW951 Sync Module, FW106 / FW106C FACP						

## CATALOGUE NUMBER TO ORDER



Horn/Strobe red

FW962R



Horn/Strobe white

FW971GW



Strobe red



Strobe white

Model	Description
FW962R	Horn/ strobe multi candelas Red
FW962W	Horn /strobe multi candelas White
FW982R	Strobe multi candelas red
FW982W	Strobe multi candelas White
FW900R	Red mounting base
FW900W	White mounting base
STI-1210D	surface protector for horn/strobe
STI-1210E	flush horn/strobe protector