



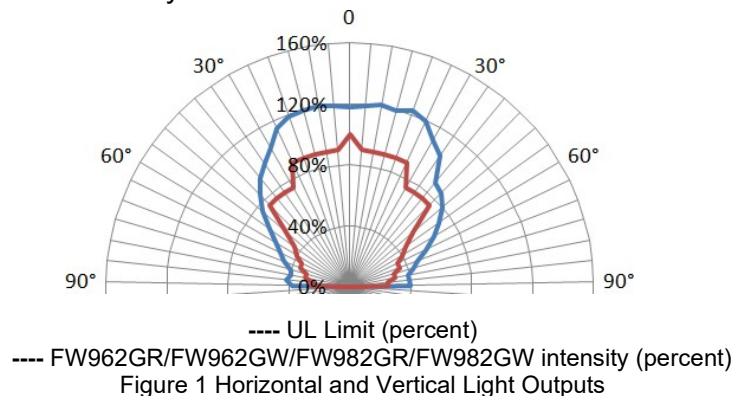
## Multi Candela Horn/Strobe & Strobe & Horn FW962GR/FW962GW, FW982GR/ FW982GW, FW971GR/FW971GW

### 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 a white LED, listed according to UL 1971, UL 1638, UL 464, ULC-S525, and ULC-S526 for indoor use and FM. 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.

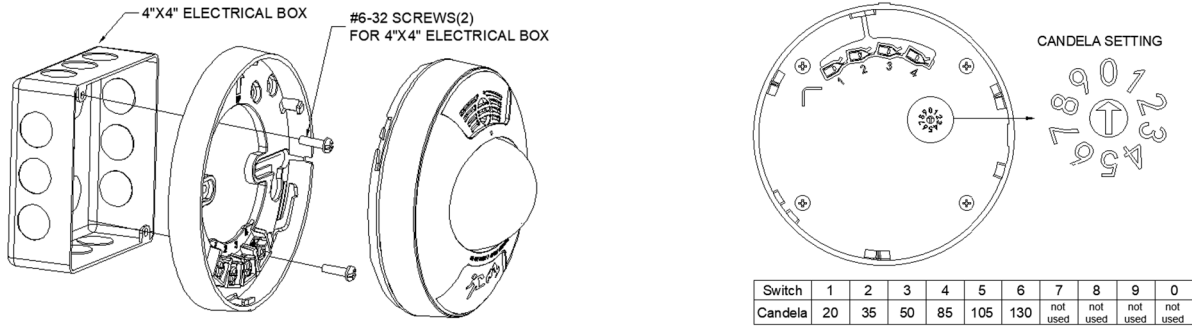
The strobe appliances produce a flash rate of one flash per second over the Regulated Voltage Range. The temporal tone generated by the horn portion is designed as per ANSI and NFPA72 for standard emergency evacuation signaling requirements. The appliance has the feature that can synchronize multiple horns and/or strobes in a complete fire alarm system.

The FW971GR/W Horns are audible signal appliances listed according to UL 464 and ULC-S525 for indoor use. The temporal tone generated by the horn portion is designed as per ANSI and NFPA72 for standard emergency evacuation signaling requirements. The horn has a feature that can synchronize multiple horns in a complete fire alarm system.

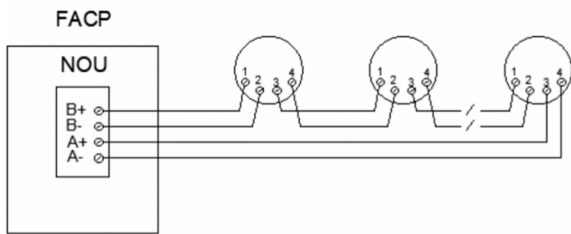
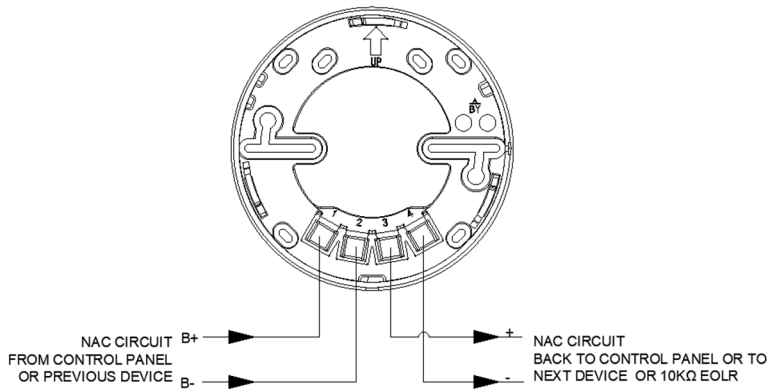


## INSTALLATION AND WIRING

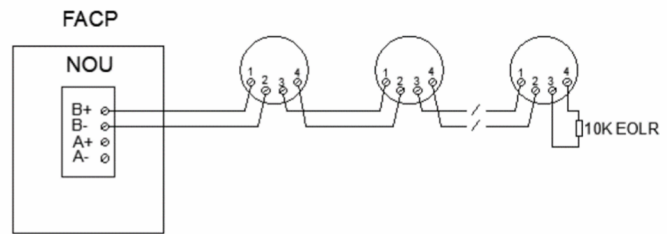
Mount the FW900/FW901 base onto 2"X4" electrical box, 4"X4" electrical box or octagon electrical box. Set the light intensity using the rotary switch at the back of the device.



Notification appliances base FW900/FW901 can be used with 12 AWG to 18 AWG.



(a) Class A Circuit



(b) Class B Circuit

### ATTENTION

The product must be used within its published specifications and properly installed, operated, and maintained, following these instructions. Users are solely responsible for determining whether a product is suitable for the user's purposes or achieves the intended results. Read the instructions carefully before using this product. Failure to comply with any of the instructions cautions, and warnings could result in improper application, installation, and/or operation of these products in an emergency.

## SPECIFICATIONS

FW962G/FW982G							
Operating Voltage	16 to 33 VDC/FWR						
RMS Operating Current @16Vdc (mA)		130 cd	105 cd	85 cd	50 cd	35 cd	20 cd
	FW962GR	164	126	85	55	47	30
	FW962GW						
	FW982GR	156	119	80	49	43	28
	FW982GW						
RMS Operating Current @16Vfwr (mA)		130 cd	105 cd	85 cd	50 cd	35 cd	20 cd
	FW962GR	187	158	102	66	58	38
	FW962GW						
	FW982GR	154	150	97	61	53	35
	FW982GW						
Sound Level (dBA)	Voltage	16V dc/fwr		24V dc/fwr		33V dc/fwr	
	UL Reverberant	77		81		85	
	ULC Anechoic	85		88		91	
Effective Light (cd)	130, 105, 85, 50, 35, 20 (see figure 3 for candela selection)						
Operating Temperature	0° C to 49° C (32° F to 120° F)						
Operating Humidity	0 to 93% RH						
Horn Pattern	Temporal 3						
Strobe Pattern	1 flash per second						
Wire Size	12 to 18 AWG						
Location	Indoor wall/ceiling						
Compatible Model	FW951 Sync Module, FW105/FW106/ FW106C FACP						

FW971G				
Operating Voltage	Regulated 16 to 33 VDC/FWR			
RMS Operating Current	DC	35		
	FWR	47		
Sound Level (dBA)	Voltage	16V dc/fwr	24V dc/fwr	33V dc/fwr
	UL Reverberant	77	81	85
	ULC Anechoic	85	88	91
Directional Characteristics	Horizontal Axis	Angle	OSPL (dBA)	
		0° (ref)	0 (ref)	
		± 44°	-3	
		± 54°	-6	
	Vertical Axis	Angle	OSPL (dBA)	
		0° (ref)	0 (ref)	
± 52°		-3		
± 55°		-6		
Operating Temperature	0° C to 49° C (32° F to 120° F)			
Operating Humidity	0 to 93% RH			
Horn Pattern	Temporal 3			
Strobe Pattern	1 flash per second			
Wire Size	12 to 18 AWG			
Location	Indoor wall/ceiling			
Compatible Model	FW951 Sync Module, FW105/FW106/ FW106C FACP			

## CATALOG NUMBER TO ORDER

Model	Description
FW962GW	Multi-Candela Horn/Strobe, White
FW962GR	Multi-Candela Horn/Strobe, Red
FW971GW	Horn, White
FW971GR	Horn, Red
FW982GW	Multi-Candela Strobe, White
FW982GR	Multi-Candela Strobe, Red
FW900W	Notification Appliance base 5.51 in. (140mm), White
FW900R	Notification Appliance base 5.51 in. (140mm), Red
FW901W	Notification Appliance base 6.10 in. (155mm), White
FW901R	Notification Appliance base 6.10 in. (155mm), Red