

DESCRIPTION

The IQ671HS Horn Strobes is 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

The product must be used within its published specifications and properly installed, operated, and maintained, in accordance with 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 situation. This could result in property damage and serious personal injury or death.

NOTE

Do not paint this unit. Any material extrapolated from this document or Fireguard's instructions or other materials describing the product for promotional or advertising purposes, or any other purpose, including the description of the application, the use, installation, and testing of the product is the sole responsibility of the user. Fireguard assumes no responsibility for the use. In no event shall Fireguard's liability exceed the purchase price of the product.



INSTALLATION

1. Mount the IQ673HB/IQ673HB1 base onto a 4x4 electrical box, see Figure 2.

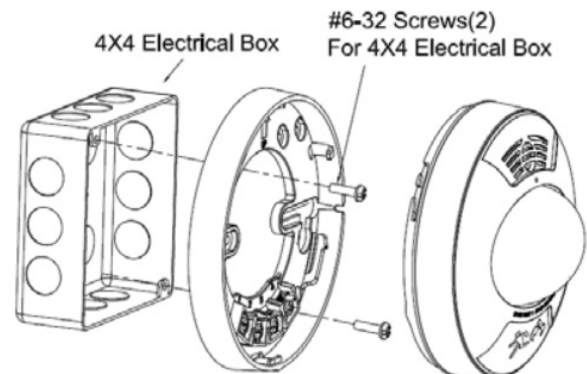


Figure 2 Base Installation

2. Set the strobe signal level to the desired setting. See Figure 3.

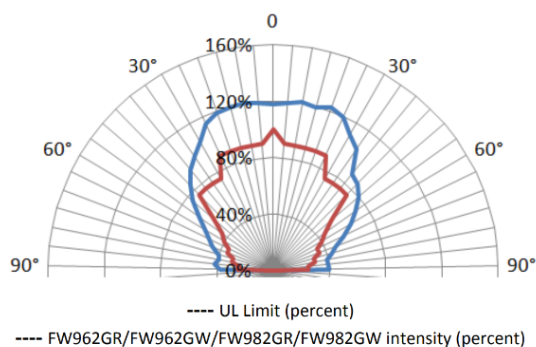
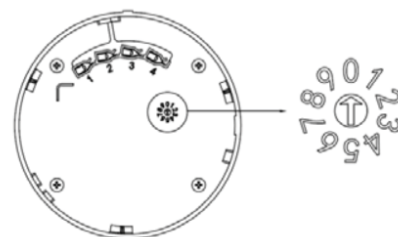


Figure 1 Horizontal and Vertical Light Outputs



Switch	1	2	3	4	5	6	7	8	9	0
Candela	20	35	50	85	105	130	not used	not used	not used	not used

Figure 3 Candela Selector

3. Connect the wires. See Figure 4 and Figure 5.

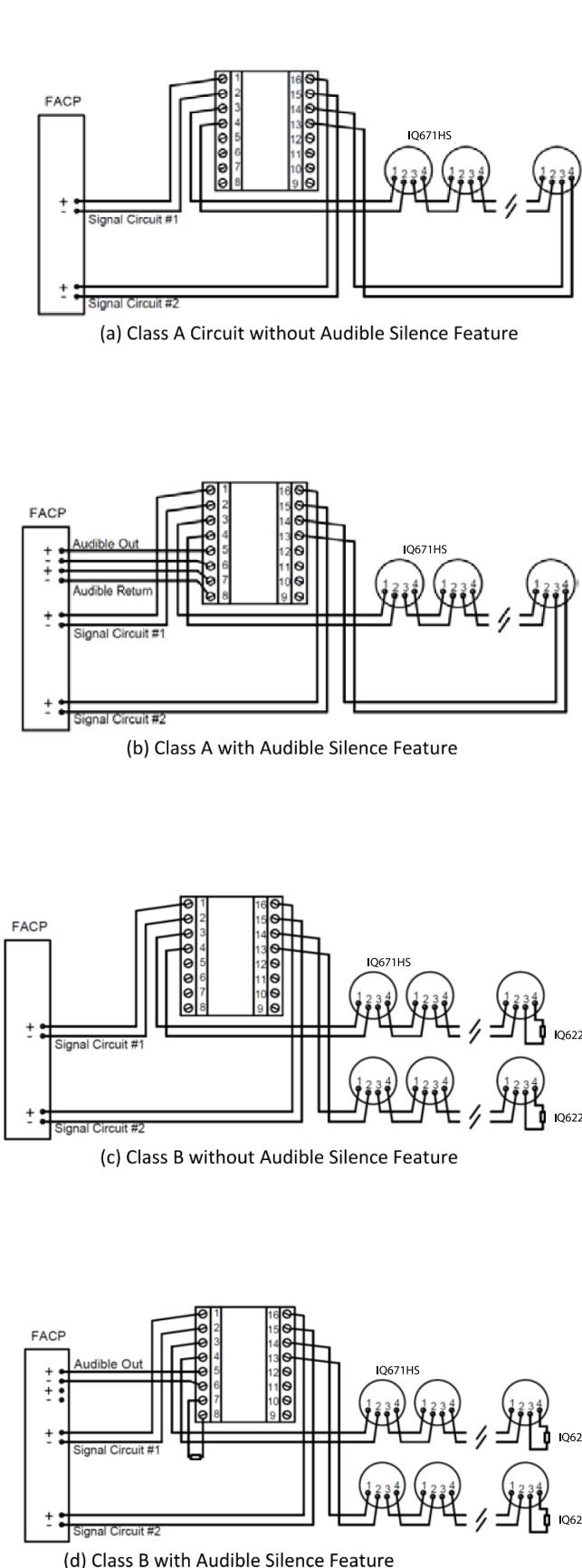


Figure 4 Wiring Diagram

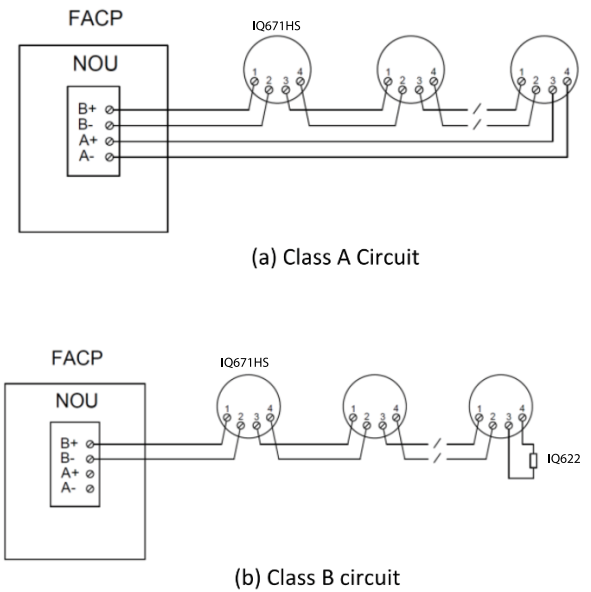


Figure 5 Wiring Diagram with IQ600

MAINTENANCE

Scheduled inspection and operational test should be carried as per requirement set out by Local Authority Having Jurisdiction. Return the device for reparation if it fails to alarm during testing. Do not disassemble the detector without permission

SPECIFICATION

Operating Voltage	16 to 33 VDC/FWR						
RMS Operating Current @16 Vdc (mA)		130 cd	105 cd	85 cd	50 cd	35 cd	20 cd
	IQ671HS	164	126	85	55	47	30
RMS Operating Current @16Vfwr (mA)		130 cd	105 cd	85 cd	50 cd	35 cd	20 cd
	IQ671HS	187	158	102	66	58	38
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				
		±90°	-10.5				
	Vertical Axis	Angle	OSPL (dBA)				
		0°(ref)	0°(ref)				
		±50°	-3				
		±55°	-6				
		±90°	-12				
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						