



Description

The Weatherproof Low Profile Speaker Strobe, ET70WP-2475W-FR Series appliance has an extended temperature range of -31°F to 150°F (-35°C to 66°C) that will satisfy virtually all outdoor and severe environment applications. The Weatherproof Speaker Strobe is designed for maximum performance, reliability, and cost effectiveness while meeting or exceeding the latest requirements of NFPA72 (National Fire Alarm Code), UL Standard 1638 (Standard for Visual Signaling Appliances), and UL Standard 1480 (Standard for Speaker Appliances).

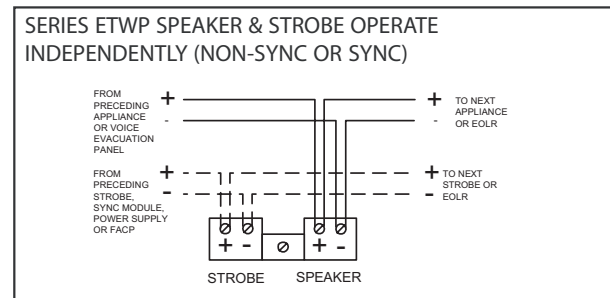
The strobe has a 75 candela intensity on axis at -31°F (-35°C) and 180cd at 77°F (25°C) with low current draw. For outdoor applications the ET70WP-2475W-FR must be wall mounted to a Weatherproof Back Box (IOB). The speakers are designed for multiple power requirements with high dBA output at each power tap. The low profile model offers a choice of field selectable taps, 1/8W to 8W for either 25.0 VRMS or 70.0 VRMS audio systems.

The low profile design incorporates a high efficiency speaker for maximum output at minimum power across a frequency range of 400 Hz to 4000 Hz and features a sealed back construction for extra protection and improved audibility. The low profile speaker strobes can provide non-synchronized operation when directly connected to the Fire Alarm Control Panel. The strobes use a Xenon flashtube with solid state circuitry enclosed in a rugged Lexan lens to provide maximum visibility and reliability for effective visible signaling.

Features

- Approvals include: UL Standard 1638, UL Standard 1480, California State Fire Marshal (CSFM), and New York City (MEA) Pending: Factory Mutual (FM) and Chicago (BFP)
- Designed to meet or exceed NFPA/UFC/ANSI 117.1/OSHA Part 29, 1910.165, and ADA requirements.
- UL Standard 1638 and UL Standard 464 listed with extended temperature range of -31°F to 150°F (-35°C to 66°C)
- 24 VDC with new UL “Regulated” Voltage Range: of 16-33 VDC using filtered DC or unfiltered FWR voltage
- IN and OUT wiring termination that accepts two #12-18 AWG wires at each terminal
- Inputs are polarized for compatibility with industry standard reverse polarity supervision

Wiring



Engineering Specifications

The Weatherproof Low Profile Speaker Strobe shall be ET70WP-2475W-FR Series or approved equal. The ET70WP-2475W-FR Series shall meet and be listed for UL Standard 1638 (Standard for Visual Signaling Appliances) for Indoor/Outdoor use, Fire Protective Service and UL Standard 1480 (Standard for Speaker Appliances). The strobe portion of the ET70WP-2475W shall produce a flash rate of 30-62 flashes per minute over the Regulated Voltage Range of 16 to 33 VDC and shall incorporate a Xenon flashtube enclosed in a rugged Lexan lens to provide maximum visibility and reliability for effective visible signaling. The strobe shall be rated 180cd @ 77°F (25°C) and 75cd at -31°F (-35°C) and shall operate over an extended temperature range at -31°F to 150°F (-35°C to 66°C) and be listed for maximum humidity at 95% RH. For outdoor applications the ET70WP-2475W-FR shall be wall mounted to a weatherproof backbox (IOB). The speakers shall be designed for multiple power requirements with a high dBA output at each power tap. The low profile model shall offer a choice of field selectable taps, 1/8W to 8W for either 25.0 VRMS or 70.0 VRMS audio systems. The low profile design shall incorporate a high efficiency speaker for maximum output at minimum power across a frequency range of 400Hz to 4000Hz and features a sealed back construction for extra protection and improved audibility.

UL Listed Model and Rating - Speaker

Model	Voltage (VRMS)	Reverberant dBA @ 10 ft (UL 1480) Rated Watts								Anechoic dBA @ 10 ft. @ 1 kHz Rated Watts					
		1/8	1/4	1/2	1	2	4	8	1/8	1/4	1/2	1	2	4	8
ET-70WP-2475W-FR	25/70	77	80	83	86	88	91	93	78	81	84	87	90	92	95

UL Listed Model and Candela Strobe Rating

Voltage	*Rated Average Current	Rated Strobe Candela (cd)	
		@ 77°F (25°C)	@ -31°F (-35°C)
16.0 VDC	0.150	180cd	75cd
24.0 VDC	0.102		
33.0 VDC	0.085		

*Average current per actual production testing. For rated average peak and inrush current across the UL listed voltage range for both filtered DC and unfiltered VRMS, see Installation Instructions.

Ordering Information

Model	Non-Sync	Strobe cd @ -31°F (-35°C)	Strobe cd @ 77°F (25°C)	dBA	Input Voltage
Speaker/Strobe					
ET-70WP-2475W-FR	Yes	75cd	*180cd	77-93	24
Backboxes					
IOB-R	ET70WP-2475W-FR	N/A	N/A	N/A	N/A

*Per UL 1638 @ 78°F (75cd @ -31°F)
N/A = Not applicable

NOT TO BE USED FOR INSTALLATION PURPOSES.



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