



Eluxa Outdoor LED Notification Appliances

Certificate Number: **FM25US0167**

Company

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United States of America

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Detection, Fire Alarm and Signaling Equipment | Notification Appliances | **Notification Appliances**

Eluxa Outdoor LED Notification Appliances

Description of Equipment:

Models	Eluxa Outdoor Series: Horn Model: EL3RHN-(X)(Y), EL4XHN-(X)(Y), ELWPHN-(X)(Y); Multitone Horn Model: EL3RMT-(X)(Y), EL4XMT-(X)(Y), ELWPMT-(X)(Y); Strobe Models with Clear Lens: EL3RST-(X)(Y), EL4XST-(X)(Y), ELWPST-(X)(Y); Strobe Models with Amber Lens: EL3RSTA-(X)(Y), EL4XSTA-(X)(Y), ELWPSTA-(X)(Y) (Emergency Warning); Strobe Models with Blue, Green, Red Lens: EL3RSTB-(X)(Y), EL4XSTB-(X)(Y), ELWPSTB-(X)(Y), EL3RSTG-(X)(Y), EL4XSTG-(X)(Y), ELWPSTG-(X)(Y), EL3RSTR-(X)(Y), EL4XSTR-(X)(Y), ELWPSTR-(X)(Y) (Private Mode); Horn Strobe Model with Clear Lens: EL3RHS-(X)(Y), EL4XHS-(X)(Y), ELWPHS-(X)(Y); Horn Strobe Model with Amber Lens: EL3RHSA-(X)(Y), EL4XHSA-(X)(Y), ELWPHSA-(X)(Y) (Emergency Warning); Multitone Horn Strobe Models with Clear Lens: EL3RMTST-(X)(Y), EL4XMTST-(X)(Y), ELWPMTST-(X)(Y); Multitone Horn Strobe Models with Amber Lens: EL3RMTSTA-(X)(Y), EL4XMTSTA-(X)(Y), ELWPMTSTA-(X)(Y) (Emergency Warning); Multitone Horn Strobe Models with Blue, Green, Red Lens: EL3RMTSTB-(X)(Y), EL4XMTSTB-(X)(Y), ELWPMTSTB-(X)(Y), EL3RMTSTG-(X)(Y), EL4XMTSTG-(X)(Y), ELWPMTSTG-(X)(Y), EL3RMTSTR-(X)(Y), EL4XMTSTR-(X)(Y), ELWPMTSTR-(X)(Y) (Private Mode); Speaker Model: EL3RSPK-(X)(Y), EL4XSPK-(X)(Y), ELWPSPK-(X)(Y); Speaker Strobe Models with Clear Lens: EL3RSPST-(X)(Y), EL4XSPST-(X)(Y), ELWPSPST-(X)(Y); Speaker Strobe Models with Amber Lens: EL3RSPSTA-(X)(Y), EL4XSPSTA-(X)(Y), ELWPSPSTA-(X)(Y) (Emergency Warning); Speaker Strobe Models with Blue, Green, Red Lens: EL3RSPSTB-(X)(Y), EL4XSPSTB-(X)(Y), ELWPSPSTB-(X)(Y), EL3RSPSTG-(X)(Y), EL4XSPSTG-(X)(Y), ELWPSPSTG-(X)(Y), EL3RSPSTR-(X)(Y), EL4XSPSTR-(X)(Y), ELWPSPSTR-(X)(Y) (Private Mode); Note: All models are intended for indoor/outdoor use and wall or ceiling installation. All models may include suffixes that represent product color and lettering. (X)= SUFFIX FOR PRODUCT LETTERING (Blank = FIRE, N = No lettering, A = AGENT, AL = ALERT)
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	(Y)= SUFFIX INDICATES PRODUCT COLOR (R=RED, W=WHITE)
Compatibility	FM Approved Fire Alarm Control Panels/Emergency Notification Systems
Operating Temperature	-40°C to 66°C (-40°F to 150°F)
Humidity Range	Up to 95% RH
Operating Voltage range	DC or FWR, 24V Regulated, 16 to 33V, All models; 8 to 17.5VDC or FWR, Horn Models only; 8 to 17.5VDC/VRMS or 16 to 33VDC/VRMS Multi-Tone Models Only (Selectable via Jumper Plug); 25 or 70.7V, Speakers only
Current draw	Horn: 12V: 34mA to 54mA (DC); 75mA to 102mA (FWR); 24V: 38mA to 52mA (DC); 75mA to 102mA (FWR); Horn/Strobe: 45mA to 230mA (DC); 76mA to 339mA (FWR); Multitone Horn: 12V: 20mA to 200mA (DC); 23mA to 183mA (FWR); 24V: 24mA to 135mA (DC); 28mA to 110mA (FWR); Multitone Horn Strobe: (strobe+horn) 50mA to 341mA (DC); 62mA to 418mA (FWR); 24mA to 135mA (DC); 34mA to 110mA (FWR); Strobe: 26mA to 206mA (DC); 34mA to 308mA (FWR); Speaker Strobe: 26mA to 206mA (DC); 34mA to 308mA (FWR);
Frequency range	500Hz to 3.8kHz standard horns/Multitone; 400 Hz to 4kHz speakers

Tone settings	Horns: Continuous, Code 3 and Code3/Code 4; Multitone: Horn, Bell, March Time, T3 Horn, T3 Tone, Slow Whoop, Siren and HI/LO.
Minimum Sound Pressure	Horns: (24V) 88dBA at 10ft, (12V) 74dBA at 10ft; Multitone Horn: (24V) 75dBA at 10ft, (12V) 65dBA at 10ft; Speakers: 76dBA
Strobe Flash rate	1 flash per second
Synchronization	External with DSM-12/24, PS-8, INC-PS10 or similar Approved Sync Module or Power Supply
Candela Output settings	Strobe (Clear): 15, 30, 75, 110, 150, 185cd; Strobe (Amber): 15, 30, 75, 95, 150, 177cd; Strobe (Blue): 15, 30, 75, 95, 135, 150cd; Strobe (Green): 15, 30, 60, 75, 115, 125cd; Strobe (Red): 10, 20, 40, 50, 75, 80cd; All settings are field selectable
Installation Type	Indoor/Outdoor, Flush-mounted or Surface-mounted
Input terminal Wire Gauge	12 to 18 AWG (2.5 mm ²)

Enclosure Grill/Cover and PCB Cover	Constructed of PC plastic material type Makrolon 6487+(z)(f1), manufactured by Covestro Deutschland AG. Flame rated 94V-0, minimum thickness 1.5 mm (0.06 in.). Enclosure is Red or white in color. PCB Cover is Black in color.
Housing	Constructed of PC plastic material type Makrolon 6557+(z)(f1), manufactured by Covestro Deutschland AG. Flame rated 94V-0, minimum thickness 3.0 mm (0.12 in.). Housing is Clear in color.
Lens	Constructed of PC plastic material Type Lexan 943A(f1), manufactured by Sabic Japan LLC, flame rated 94V-0, minimum thickness 3.0 mm. Lens colors are White (or Clear), Amber, Blue, Green and Red.
Surface Box and Plug	Constructed of PC plastic material Type Makrolon 6487+(z)(f1), manufactured by Covestro Deutschland AG. Flame rated 94V-0, minimum thickness 1.5 mm (0.06 in.). Red or white in color.
Surface Box Mounting Tabs	Constructed of material type "Cyclac" FR15U(f2), manufactured by SABIC INNOVATIVE PLASTICS. Alternate material – R/C (QMFZ2.E67171), type AF345(f1), manufactured by LG CHEM LTD.
Surface Box Option	EL4XBB - Surface Backbox
Mounting Plate	Constructed of PC plastic material Type Makrolon 6487+(z)(f1), manufactured by Covestro Deutschland AG. Flame rated 94V-0, minimum thickness 1.5 mm (0.06 in.). Red or white in color.
Mounting Plate options	EL3RMP - Mounting Plate
Replacement Grill and Letter Plate Insert	Constructed of PC plastic material, Type Makrolon 6487+(z)(f1), manufactured by Covestro Deutschland AG. Flame rated 94V-0, minimum thickness 1.5 mm (0.06 in.). Red or white in color.

FM Approvals

Replacement options	Grill	ELWPGSP - Speaker Grill, for use with models EL3RSPK, EL4XSPK, ELWPSPK
		ELWPGSPST - Speaker Strobe Grill, for use with models EL3RSPST, EL4XSPST, ELWPSPST
		ELWPGST – Strobe Grill, for use with models EL3RST, EL4XST, ELWPST

Details

Category	Notification Appliances
Class of Work	3150 - Audible Signal Appliances
Certification Type	FM Approved
Listing Country	United States of America
Certificate Number	FM25US0167