

SpectrAlert™ Red Lens Series Strobes and Horn/Strobes



Models Available

Strobe*

S2475RL
S2475RLW
S2475RLZ
S2475RLZW
S2475RLFIRE

Horn/Strobe*

P2475RL
P2475RLW
P2475RLZ
P2475RLZW

P2475RLZW



P2475RLZ



P2475RL



S2475RLZW



* Only models with a Z or ZW suffix have Chinese printing on the lens.

Product Overview

Strobes and horn/strobes operate at 24 volts

Red lens provided on strobes and horn/strobe models

UL Listed per UL1638

Multi-lingual FIRE labeling options

Field-selectable horn tones

Strobe and horn / strobe take up no room in the back box

Sync-Circuit module available for synchronizing strobes and horns

25mm lettering on S2475RLFIRE model

System Sensor's SpectrAlert Red Lens series strobes and horn/strobes provide many of the same benefits as the original SpectrAlert design, but with additional features, specifically designed for unique Asian and Pacific Rim applications.

Features. The SpectrAlert Red Lens series strobes and horn/strobes are designed to meet unique Asian and Pacific Rim applications. Among the models offered include 15 and 75 candela strobes and horn/strobes printed with "FIRE". Models with a Z or ZW suffix also have "FIRE ALARM" printed in Chinese on the lens.

Application Flexibility. SpectrAlert products provide a number of features to accommodate a wide variety of applications. SpectrAlert horns and horn/strobes offer field-selectable horn tones, including the choice of 3000 Hz interrupted or electromechanical, temporal 3 or non-temporal 3, and high or low dBA output.

Sync · Circuit. SpectrAlert strobes and horns are easily synchronized with the MDL and MDLW Sync · Circuit modules. These modules synchronize strobes at 1 Hz and horns at temporal 3, and are capable of silencing the horns on horn/strobe models over a single pair of wires.



General

Specifications

Input Terminals

12 to 18 AWG

Indoor Operating Temperature

32° to 120°
F (0° to 49° C)

Mounting

4"x4"x1-1/2" or
2"x4" 1-7/8" standard
back boxes

Dimensions

Strobe or Horn/Strobe with universal plate

5" x 5-5/8" x 2-15/16"

Strobe or Horn/Strobe with small footprint plate

3-3/8" 5-5/8" x 2-5/16"

Horn with universal plate

5" x 5-5/8" x 1-5/16"

Horn without mounting plate

3-3/8" x 5-5/8" x 2-5/16"

Operating Specifications

Operating Voltage

24 VDC and FWR
unfiltered

Horns and synchronization modules only

12/24 VDC and FWR
unfiltered

Operating Voltage

Range (24 V)

20 to 30 V

Operating Voltage Range (with sync module)

21-30 V

SpectrAlert Red Lens Strobe Only Current Draw

Current (mA)	Model	20V DC	20V FWR	24V DC	24V FWR	30V DC	30V FWR
Averag	S2475RL/S2475RLW	169	220	140	191	115	174
	S2475RLFIRE						
Peak	S2475RLZ/S2475RLZW	169	220	140	191	115	174
	S2475RL/S2475RLW	460	560	450	570	420	620
	S2475RLFIRE						
	S2475RLZ/S2475RLZW	460	560	450	570	420	620
In Rush	S2475RL/S2475RLW	190	230	220	290	290	370
	S2475RLFIRE						
	S2475RLZ/S2475RLZW	190	230	220	290	290	370

SpectrAlert Red Lens Horn/Strobe Only Current Draw

Horn/Strobe Model	Vol	Tone	20V DC	20V FWR	24V DC	24V FWR	30V DC	30V FWR
P2475RL/P2475RLW Electromechanical Tone	High	Temp	188	241	165	209	144	200
		Non	186	238	163	211	145	202
	Low	Temp	180	232	153	204	132	189
		Non	181	232	154	204	132	190
P2475RL/P2475RLW 3000Hz Interrupted Tone	High	Temp	193	246	168	214	152	207
		Non	188	242	167	217	150	210
	Low	Temp	183	234	157	206	136	193
		Non	182	232	156	205	137	195
P2475RLZ P2475RLZW Electromechanical Tone	High	Temp	188	241	165	209	144	200
		Non	186	238	163	211	145	202
	Low	Temp	180	232	153	204	132	189
		Non	181	232	154	204	132	190
P2475RLZ/ P2475RLZW 3000Hz Tone	High	Temp	193	246	168	214	152	207
		Non	188	242	167	217	150	210
	Low	Temp	183	234	157	206	136	193
		Non	182	232	156	205	137	195

Sound Output (dBA)

	Vol	Tone	UL Reverberent Room @ Volts DC			Anechoic Room peak @ 10 ft./Volts DC		
			20	24	30	20	24	30
Electromechanical Tone	High	Temp	82	82	82	100	101	102
		Non	85	88	88	100	101	102
	Low	Temp	75	75	79	94	96	98
		Non	79	82	85	94	96	98
3000Hz Interrupted Tone	High	Temp	82	85	85	100	101	102
		Non	88	88	88	100	101	102
	Low	Temp	75	79	79	94	96	98
		Non	82	82	85	94	96	98

Ordering Information

	White Model	Red Model	Voltage	Candela	Avg.mA@ Nom. VDC	Avg.mA@ Nom. FWR
Strobes	S2475RLW	S2475RL	24	75	140	191
	S2475RLZW	S2475RLZ	24	75	140	191
		S2475RLFIRE	24	75	140	191
Horn/Strobes	P2475RL	P2475RL	24	75	165	209
	P2475RLZW	P2475RLZ	24	75	165	209

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