

# Specifications

# LEL-W

Input Voltage	Options	AC/DC12V				AC/DC24V					
	Rated Voltage	AC/DC12V (50-60 Hz)				AC/DC24V (50-60 Hz)					
	Operating Voltage	Rated Voltage + or - 10%									
Operating temperature Range		-10°C ~ +55°C									
Relative Humidity		Less than 90%									
Flashing Cycle ("FB" styles only)		60 + or - 12 flashes per minute									
Alarm Sound Level ("FB" styles only)	AC/DC12V	Max: More than 80 + or - 4dB (at 1m)				Min: Less than 70 + or - 4dB (at 1m)					
	AC/DC24V and AC120V	Max: More than 85 + or - 4dB (at 1m)				Min: Less than 70 + or - 4dB (at 1m)					
Alarm Sound Description ("FB" styles only)		Intermittent, single-tone; Alarm 1: fast beep, Alarm 2: slow beep									
Mounting Location Options		Indoor use only									
Mounting Direction Options		Upright only									
Protection Rating		IP-54									
Vibration		19.6m/s <sup>2</sup> (30Hz) (2 hours each: front-back, right-left, up-down)									
Insulation Resistance		More than 1 Megohm between terminals and chassis at DC500V									
Withstand Voltage (AC/DC12V and AC/DC24V)		AC500V applied between terminals and chassis for 1 minute without breaking insulation									
Dielectric Voltage (AC120V)		AC1000V applied between terminals and chassis for 1 minute without breaking insulation									
Luminous Intensity (mcd = millicandela)	Red	Amber	Green	Blue	Clear						
	180mcd	400mcd	1000mcd	350mcd	850mcd						
Applicable Standards	CE	EN60958-1: 1993									
	UL	UL Component Recognition per UL-508 (File No. E215660)									
	RoHS	RoHS Directive 2005/95/EC									
Power Consumption		Red	Amber	Green	Blue	Clear	Steady	Inrush	Steady	Inrush	
AC/DC12V	Current (mA @ 24V)	50	50	40	44	40	40	250	40	250	
	Watts	0.7	0.7	0.6	0.6	0.6	1.0	-----	1.0	-----	
AC/DC24V	Current (mA @ 24V)	25	25	20	22	20	40	250	40	250	
	Watts	0.7	0.7	0.6	0.6	0.6	1.0	-----	1.0	-----	
Contact Capacity (I <sub>s</sub> = current capacity; V <sub>s</sub> = withstand voltage; V <sub>c</sub> = dielectric breakdown voltage; I <sub>L</sub> = leakage current)											
AC/DC12V	Contact Capacity		Transistor Capacity (NPN and PNP)								
	LED Light Module	I <sub>s</sub> >= 100mA; V <sub>s</sub> >= AC30V					I <sub>c</sub> >= 100mA; V <sub>c</sub> >= 35V				
	Alarm	I <sub>s</sub> >= 200mA; V <sub>s</sub> >= AC50V					I <sub>c</sub> >= 300mA; V <sub>c</sub> >= 35V				
	Power Supply	I <sub>s</sub> >= 500mA; V <sub>s</sub> >= AC30V									
AC/DC24V	Contact Capacity		Transistor Capacity (NPN and PNP)								
	LED Light Module	I <sub>s</sub> >= 50mA; V <sub>s</sub> >= AC50V					I <sub>c</sub> >= 100mA; V <sub>c</sub> >= 35V				
	Alarm	I <sub>s</sub> >= 200mA; V <sub>s</sub> >= AC50V					I <sub>c</sub> >= 300mA; V <sub>c</sub> >= 35V				
	Power Supply	I <sub>s</sub> >= 500mA; V <sub>s</sub> >= AC50V									
Leakage Current		I <sub>L</sub> = 1mA or less									
Fuse (not included)		1A (250V)									