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SPECIFICATIONS

[4.0 10][e 1	•		
[1.General Specifica		Signal Tower		
Product Name Model		LR6-302WCNW LR6-02WCNW LR6-02WM	INW LR4-02WCNW	
Rated Voltage		24V DC		
Operating Volta		Rated Voltage ±10%		
Rated Current	Typ.	LED Unit: 40mA		
Consumption	Max.	LED Unit : 45mA		
Rated Power	Тур.	LED Unit : 1W		
Consumption	Max.	LED Unit: 1.3W		
Operating Ambien	Temperature	-20°C to +50 °C		
Operating Ambie	nt Humidity	Less than 90 % (No condensation	on)	
Storage Ambient	Temperature	-30°C to +60 °C		
Storage Ambier	nt Humidity	Less than 90 % (No condensati	on)	
Mounting Lo		Indoor		
Mounting D		Upright		
Protection		IP65(IEC 60529) / NEMA TYPE 4	X,13	
	vironmental	Upright		
	Condition	•		
Insulation Re	sistance	· · · · · · · · · · · · · · · · · · ·		
Withstand \	Withstand Voltage 500V AC applied for 1min between live part and non-current carrying metallic		rrent carrying metallic part	
	without breaking insulation			
I -		LR6-302WCNW : 0.35kg		
Mass (Tolerance ±10%)		LR6-02WCNW : 0.17kg		
,		LR6-02WMNW: 0.21kg LR4-02WCNW: 0.09kg		
Compatible Unit	LED Unit Model	LR6-E-R,Y,G,B,C,RZ,YZ,GZ,BZ,MZ	LR4-E-R,Y,G,B,C,RZ,YZ,GZ,BZ	
(Optional)	Buzzer Unit Model	LRO-E-R, 1, G, B, C, RZ, 1Z, GZ, BZ, MZ LR6-BW	LR4-BW	
(Optional)	Buzzer Offit Woder	UL 508, CSA-C22.2 No. 14	LIV 4 -DVV	
		RoHS Directive (EN IEC 63000))	
Conformity S	andards	EMC Directive (EN 61000-6-4, EN 610		
		FCC Part 15 SubpartB Class A	,	
		KC (KN 61000-6-4, KN 61000-6-		
		UL Recognized Component (File No.E		
		Due to the characteristics of the LED elements, a variation	T	
	tone and brightness of every product may occur			
Conforms to the CE Requirements				
		Conforms to the UKCA Requirement	ents	
Remar	ks			
1				

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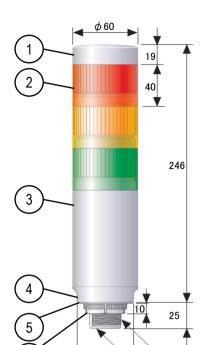
[2.Model Number Configuration] Rated Model Mounting/Wiring Flashing/Buzzer Body Color LED Unit Color Tiers Voltage 3 02 Assembly Model LR6 RYG WC Ν W Unit Model(Body Unit) LR6 02 WC Ν W Ν Unit Model(Body Unit) LR6 02 WM W LR4 02 WC N Unit Model(Body Unit) W LED Color R Red Y Amber W Off-white G Green LR6 Ф60 LR4 Ф40 From top to bottom N No Flashing / Buzzer 02 24VDC Direct Mount/M12 Connector WC 3 3Tiers (Mounting with M30 Nut) Direct Mount/M12 Connector (Mounting with 3 Hexagon Bolts)

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[mm]

[3.Outer Dimensions]

■ LR6-302WCNW-RYG



Number	Name	Material	UL Flammability
1	Head Cover	PC	V-2
2	LED Unit	PC	V-2
3	Body	PC	V-2
4	Direct Mount Bracket	PC	V-2
5	Waterproof Packing (t =1)	Silicone Rubber	-
6	M30 Nut	PC	V-2

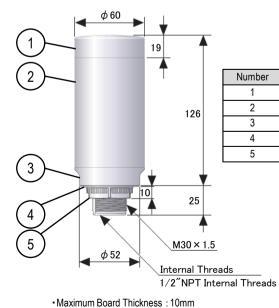
 $\label{eq:linear_state} 1/2\text{``NPT Internal Threads}$ • Maximum Board Thickness : 10mm

 ϕ 52

 $M30 \times 1.5$

Internal Threads

■ LR6-02WCNW

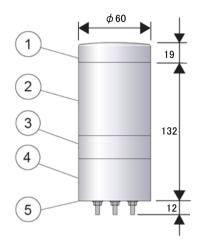


Number	Name	Material	UL Flammability
1	Head Cover	PC	V-2
2	Body	PC	V-2
3	Direct Mount Bracket	PC	V-2
4	Waterproof Packing (t =1)	Silicone Rubber	-
5	M30 Nut	PC	V-2

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■ LR6-02WMNW [mm]

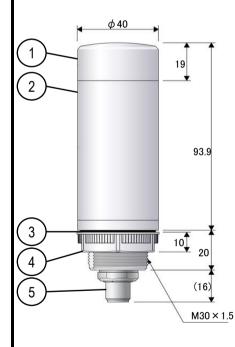


• Maximum Board Thickness: 8mm

Number	Name	Material	UL Flammability
1	Head Cover	PC	V-2
2	Body	PC	V-2
3	M12 Bracket	PC	V-2
4	Direct Mount Bracket	PC	V-2
5	Waterproof Packing	Sillcone Rubber	=



■ LR4-02WCNW



Number	Name	Material	UL Flammability
1	Head Cover	PC	V-2
2	Body	PC	V-2
3	Waterproof Packing (t =1)	Silicone Rubber	-
4	M30 Nut	PC	V-2
5	M12 Connector	Brass	-

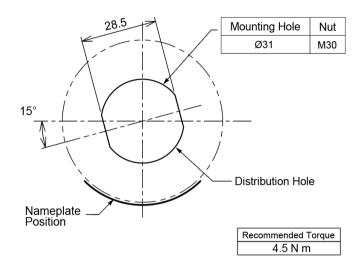
- Maximum Board Thickness: 8mm

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[4.Mounting Dimensional Drawing]

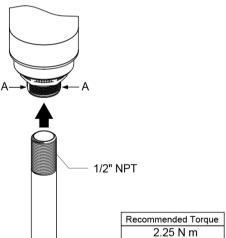
■ WC Mounting Dimensional Drawing(M30×1.5 Installation)

[mm]

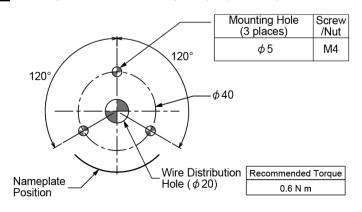


■ LR6 - WC Installation Figure(1/2 NPT Installation Figure)

While holding part 'A', install the 1/2" NPT. Failure to comply may result in damage.



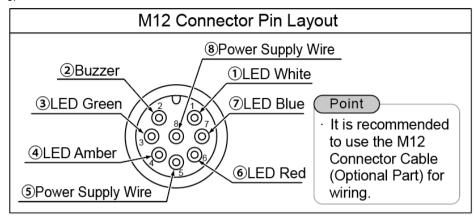
■ WM Mounting Dimensional Drawing (Only for LR6)



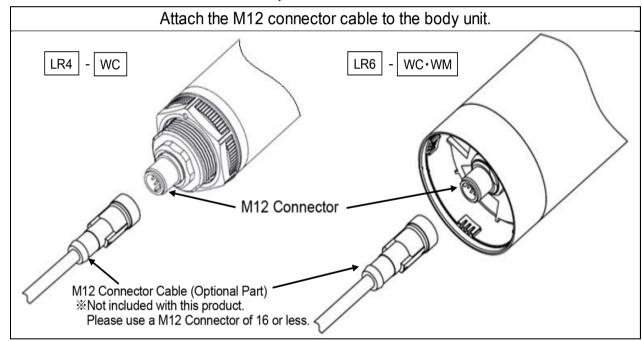
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[5.Wiring Diagram]

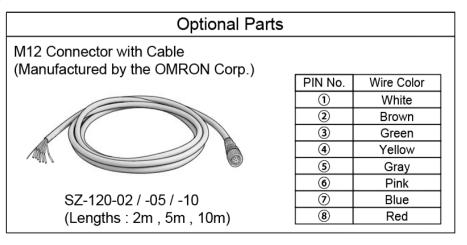
5.1 M12 Connector Pin Layout 8-pin male(plug)



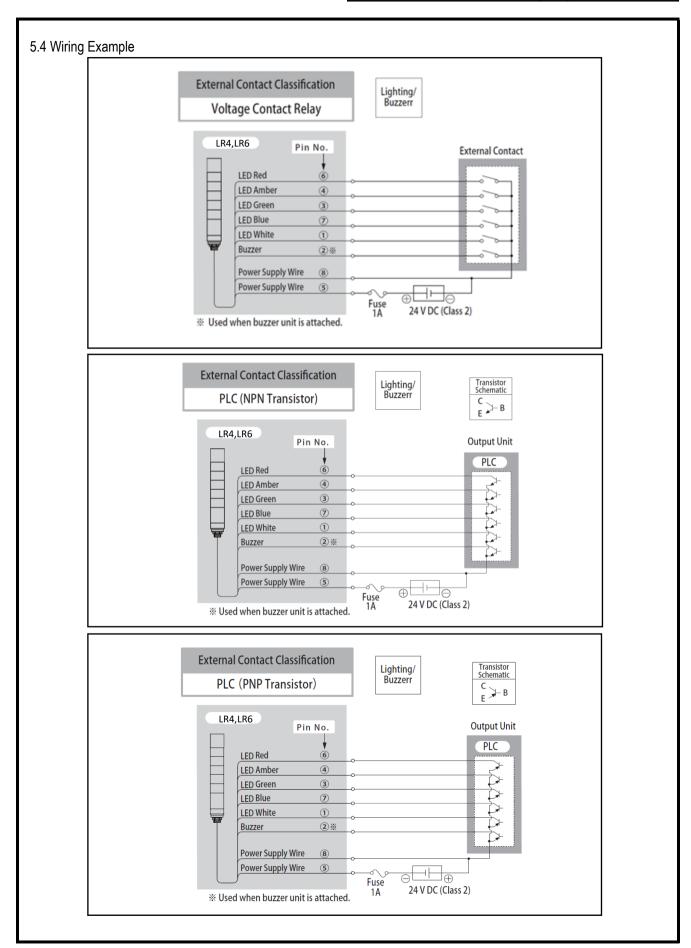
5.2 Attach the M12 connector with cable to the body unit.



5.3 Optional Parts



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5.5 External Contact Capacity

I_S: Current Capacity V_S: Withstand Voltage I_L: Leakage Current

ig. Carrott Capacity vg. Wallacita Voltago il. Lourago Carrott					
Rated Load Voltage		24V DC			
LED Unit	Signal Wire Current (Max.) / Voltage	45mA / Power Supply Voltage			
(1 Tier)	Recommended Contact Capacity	ls≧100mA Vs≥35V DC			
Buzzer	Signal Wire Current (Max.) / Voltage	250mA / Power Supply Voltage			
Duzzei	Recommended Contact Capacity	ls≧300mAVs≧35VDC			
Power	Current Consumption (Max.)	250mA(※1)			
Supply	Signal Wire Current (Max.) / Voltage	ls≧500mAVs≧35VDC			
Inrush	Signal Wire	LED	None	Buzzer	None (※2)
Current	Power Supply Wire	None (※3)			
Leakage Current		I _L ≦0.1mA			

- ※1 - Measured with five LED tiers and buzzer operating.
- ※2· · · Not exceeding Maximum Signal Wire Current Ratings
- ※3 - Signal wire current (Max.) not exceeding the sum total.

■ Recommended Fuse

Fuse Rated Current	250 V / 1A (5x20mm Fast-Acting Glass Body Cartridge Fuse)
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