



Specification

Power Supply		100-240 VAC 50/60Hz			
		24 VAC/VDC $\pm 15\%$			
Power Consumption		4 VA			
Color of LED Unit		Red, Yellow, Green, Blue			
Flashing Rate	Rotation pattern	175 ± 10 Flashes Per Minute			
	Flashing pattern	55 ± 10 Flashes Per Minute			
	Strobe pattern	Double 75 ± 10 Flashes Per Minute			
Mounting Location		Indoors and Outdoors In the case of use as UL standard model, this product can be used only indoors. (Do not use it outdoors.)			
Mounting Direction	Indoors	Upright, Inverted and Sideways			
	Outdoors	Upright only			
Protection Rating	Indoors	Environmental Condition IP 55 : with rubber mount			
	Outdoors	IP 23			
Luminous Intensity	Luminous color	Red	Yellow	Green	Blue
	Type	10cd or more	15cd or more	15cd or more	3cd or more
Buzzer		90 dB Max (at 1M.)			
Lamp Life		100,000 Hr.			
Communication	Protocol	MODBUS RTU			
	Baud Rate	4800, 9600, 19200, 38400			
	Parity	None			
	Stop Bit	1			
	Data Bit	8			
	Maximum Support Node	1-15			
Ambient Operation	Temperature	-10°C to 60°C			
	Humidity	85% RH Non-Condensing			
Ambient Storage	Temperature	-20°C to 80°C			
	Humidity	85% RH Non-Condensing			
Material	Tower	ABS-V0			
Size (mm.)		105 x 168			
Weight (kg.)		450			

Description

- Rotation Warning Light: TLW-01 / TLW-02 is a rotating warning signal light.
- Available for both AC and DC power systems.
- Provides high brightness and long service life with high-power LED.
- Three flashing patterns: Rotation pattern, Flashing pattern, and Strobe pattern.
- Built-in buzzer with three alert modes, maximum sound level 90 dB (at 1 meter).
- Push/Pull connection, compatible with NPN/PNP and open collector.
- RS-485 Modbus RTU protocol communication.
- Anti-corrosion material, protection rating IP55 (upright installation), IP23 (inverted installation).
- 360° visibility.

Operation

TLW-01 / TLW-02 is a rotating warning signal light. It can be installed in both upright and inverted positions and is suitable for indoor applications. For outdoor installation, only the upright mounting position is supported. TLW-01 / TLW-02 operates with three flashing patterns:

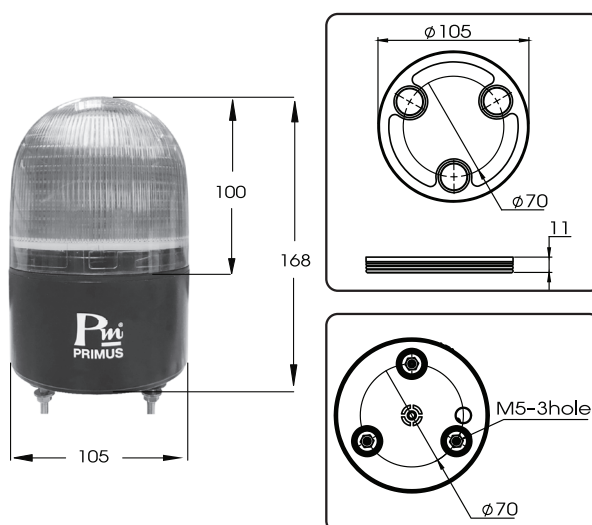
Rotation Pattern (continuous rotation at 175 ± 10 flashes per minute)

Flashing Pattern (flashing at 55 ± 10 flashes per minute)

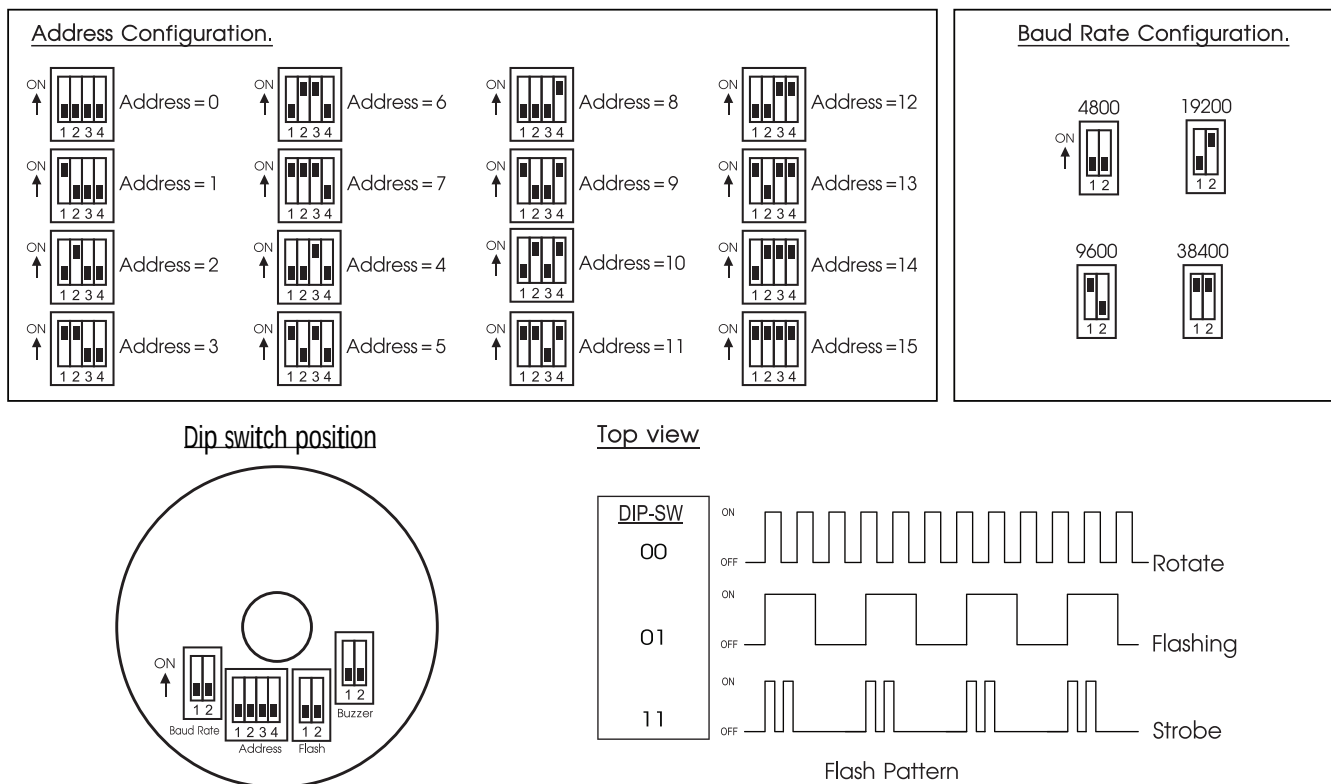
Strobe Pattern (rotation with double flash at 75 ± 10 flashes per minute)

In addition, a buzzer provides audible alerts in three modes with a maximum sound level of 90 dB (at 1 meter) for situations where operators are far from the machine. Alert data can also be transmitted to a computer via the RS-485 Modbus RTU protocol.

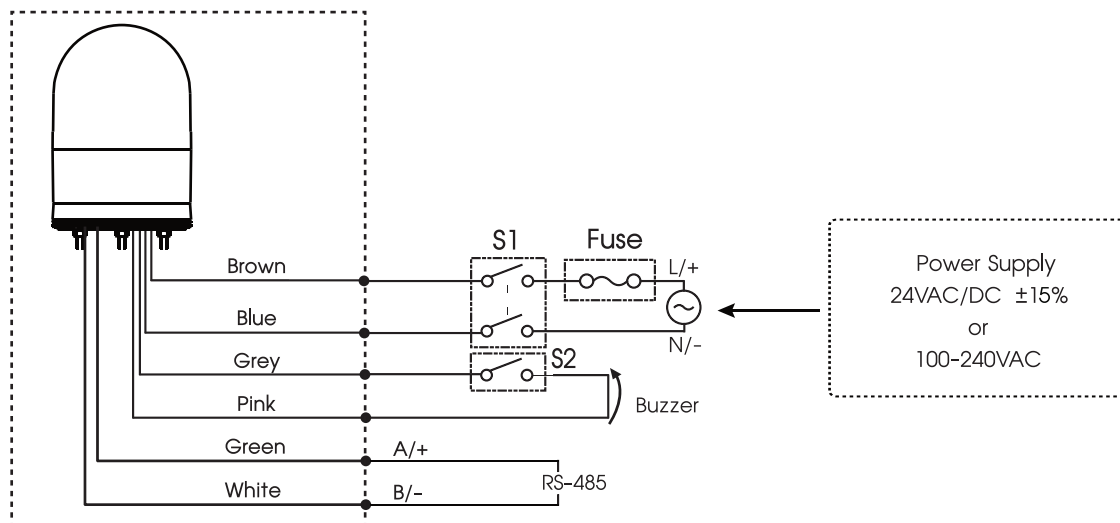
Dimension



Buzzle and Flash pattern



Wiring Diagram



Ordering Code

Power Supply		Color		Buzzer		Communication	
01	24VAC/DC $\pm 15\%$	R	Red	None	None Buzzer	None	None
02	100-240VAC	Y	Yellow	B	Buzzer 90 dB	M	RS-485
		G	Green				
		B	Blue				