

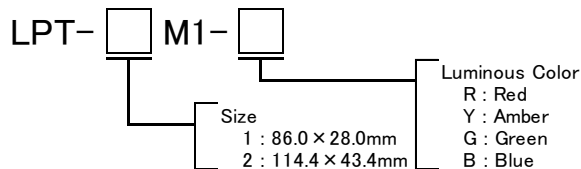
SPECIFICATIONS

[1. General Specifications]

Product Name			Warning Light										
Model			LPT-1M1-□ (□ : R, Y, G, B)				LPT-2M1-□ (□ : R, Y, G, B)						
Rated Voltage			12 - 24V DC										
Operating Voltage Range			9.5 - 30V DC										
Rated Current Consumption	Luminous Color		Red (R)	Amber (Y)	Green (G)	Blue (B)	Red (R)	Amber (Y)	Green (G)	Blue (B)			
	Max.	12V DC	0.30A		0.60A		0.50A		1.10A		1.30A	1.20A	
		24V DC	0.15A		0.30A		0.25A		0.55A		0.65A		0.60A
Rated Power		Max.	3.6W		7.2W		6.0W		13.2W		15.6W		14.4W
Operating Ambient Temperature			-30 °C ~ +75 °C										
Storage Ambient Temperature			-30 °C ~ +75 °C										
Mounting Location			Indoor / Outdoor *1										
Mounting Direction			All Directions										
Protection Rating			IP68(IEC 60529) (IPX8: 1 m underwater for 1 hour)/ NEMA TYPE 4X,13										
Environmental Condition			All Directions (excluding end of the cable)										
Vibration Resistance			90m/s²										
Luminous Intensity *2	Luminous Color		Red (R)	Amber (Y)	Green (G)	Blue (B)	Red (R)	Amber (Y)	Green (G)	Blue (B)			
			500cd or more	550cd or more	850cd or more	300cd or more	1,650cd or more	1,800cd or more	2,800cd or more	1,000cd or more			
Flash pattern (4 types) *3			Triple flash, Extreme Warning flash, Continuous, or Blinking (for details, refer to “4.1. Flash pattern”. Factory default status: Triple flash)										
Flashing Rate (Typ.)			Triple / Extreme warning : 400 flashes per minute Blinking : 67 flashes per minute										
Dimmer Function			Yes										
Daisy-Chained	Number of units		Maximum 20 units (The LPT-1M1-□ and LPT-2M1-□ can be used together.)										
	Synchronize Wire between each unit (Maximum)		3m *4										
	Flash group		Group A / Group B (for details, refer to “4.2. Flash group”. Factory default status: Group A)										
	Multiple-unit operation		Synchronized / Alternating										
Setting	Items		Flash pattern , Flash group										
	Method		Each flash setting can be switched by applying voltage to the lead wire. (for details, refer to “Instruction manual”.) When changing from factory settings, specify the flash settings before wiring the equipment. Also, while in operation, do not change flash patterns or flash group settings.										
Mass			72 g or less				130 g or less						
Outer Dimensions			Refer to the Outer Dimension Drawing										
Remarks			*1 Install on a flat, sturdy surface. Be sure that the product is securely mounted when used where vibration is present. *2 Due to the characteristics of the LED elements, there may be a slight variation in color tone and brightness between units. *3 Flash Pattern (Triple flash / Blinking) meets SAE J595 Class 3. *4 If the product interval is 3m or more, up to 4 synchronize wire can be extended to 20m each.										

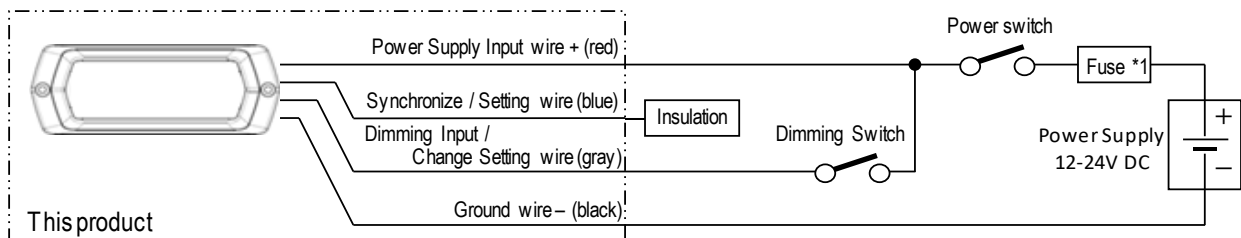
Conformity Standards	EMC Directive (EN61000-6-4,EN61000-6-2) *5 KC (KN61000-6-4,KN61000-6-2) FCC Part15 SubpartB Class A RoHS Directive (EN IEC 63000)
Remarks	*5 EMC meets level ECE R10.05. • If the equipment used with this product requires power insulation, use an insulated • If you use this product in an environment where a momentary power failure occurs, the flash may go out in time with the momentary power failure. Use this product in an environment where momentary power failure does not occur. • Conforms to the CE Requirements • Conforms to the UKCA Requirements

[2. Model Number Configuration]

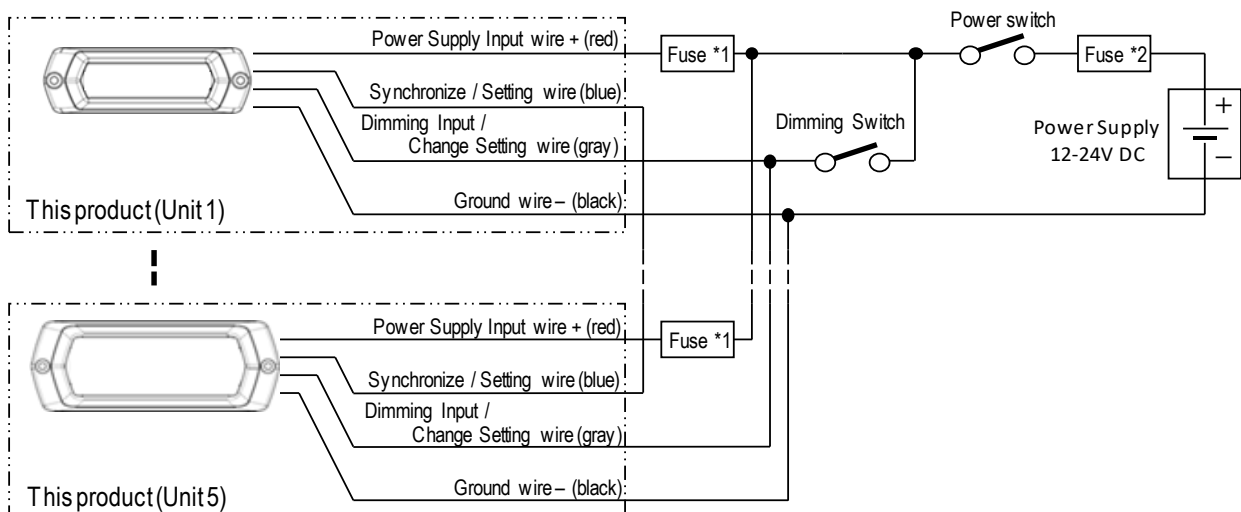


[3. Wiring Diagram]

3.1. When using 1 unit



3.2. When using multiple units (2 or more, 5 or less) in a synchronous operation



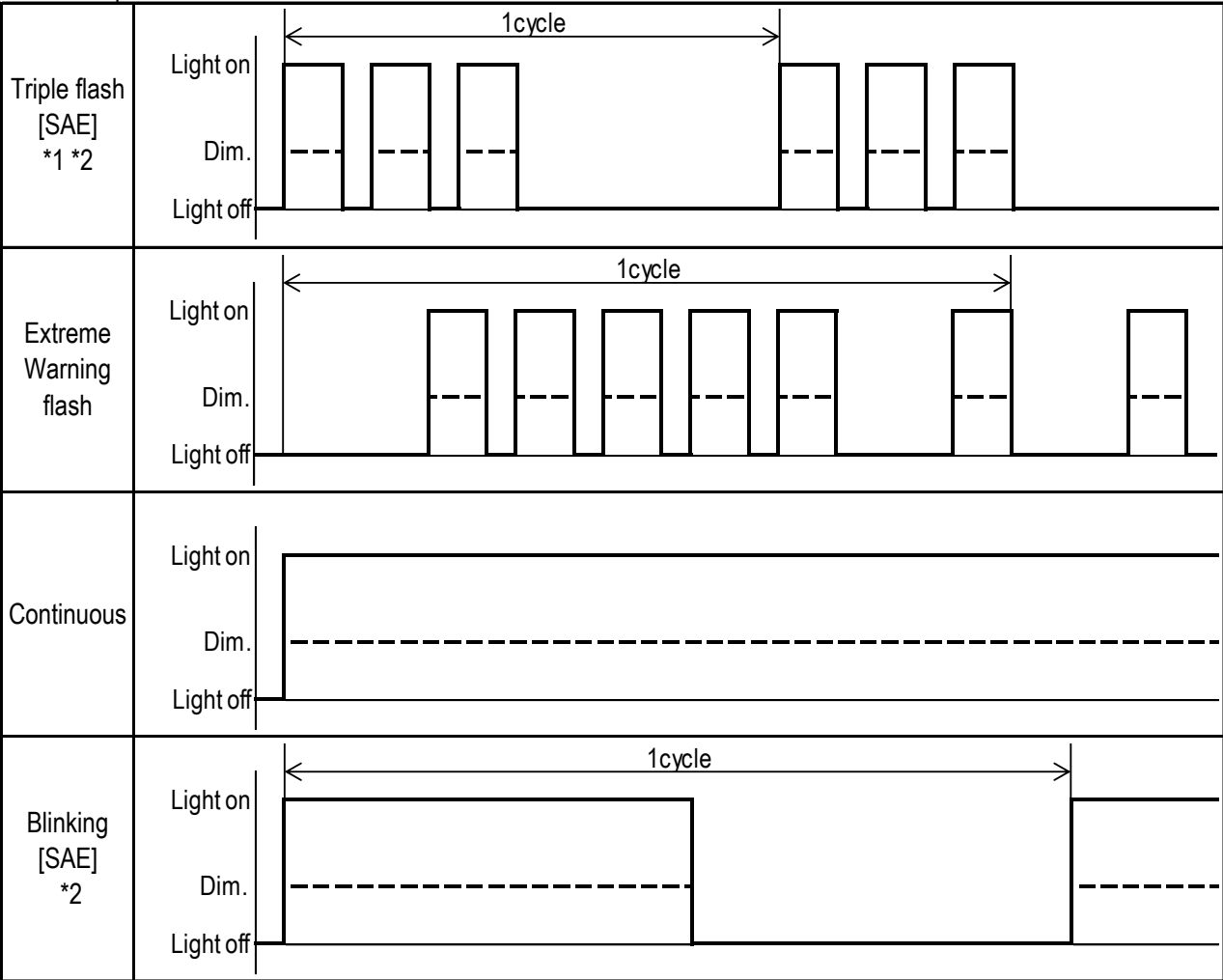
3.3. When using multiple units (6 or more, 20 or less) in a synchronous operation

- Distribute the power system into multiple system.
- You can connect up to 5 units per system. For 20 units, 4 systems are required.

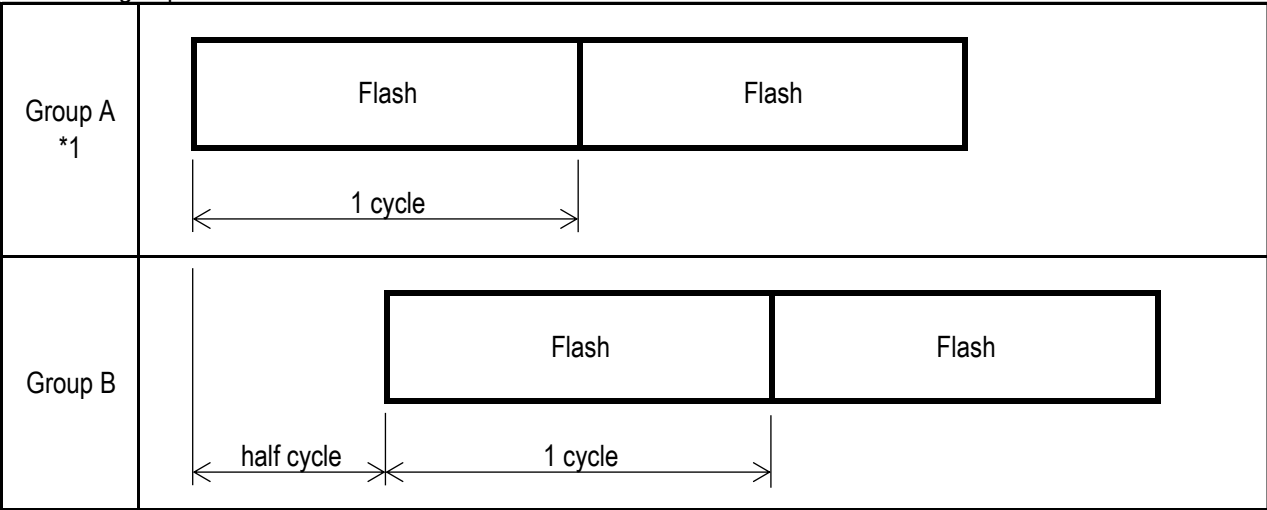
Remarks	*1*2 : Wiring protection (Normal Blow).Please use if necessary.			
	*1	LPT-1M1-□ : 1.0A LPT-2M1-□ : 2.0A	*2	Consider the total current consumption of the equipment in use.

[4. Flash Specifications]

4.1. Flash pattern



4.2. Flash group *3



Remarks

*1: Factory default status
*2: Meets level SAE J595 Class3.
*3:Excluding Continuous.

