

SPECIFICATIONS

[1.General Specifications]

Product Name			Multi-function Beacons				
Model			SF10-M1□□□-□		SF10-M2□□□-□		
Rated Voltage			12-24V DC		100-240V AC (50/60Hz)		
Operating Voltage Range			10-30V DC		90-250V AC		
Rated Current Consumption	Max.	No Buzzer	12V DC	24V DC	100V AC	240V AC	
		With Buzzer	0.62A	0.32A	0.19A	0.08A	
			0.64A	0.34A	0.20A		
Rated Power Consumption	Max.	No Buzzer	7.4W	7.7W	8.5W		
		With Buzzer	7.7W	8.2W	8.8W		
Operating Ambient Temperature			-20℃ to +50℃				
Operating Ambient Humidity			Less than 90 % (No condensation)				
Storage Ambient Temperature			-30℃ to +60℃				
Storage Ambient Humidity			Less than 90 % (No condensation)				
Mounting Location			Indoor/Outdoor				
Mounting Direction			Indoor : Upright, Inverted & Sideways Outdoor : Upright				
Protection Rating			SF10-M□JN	IP23			
				IP65(when used with SZW-103 Rubber Gasket attachment)			
			SF10-M□KT□	IP66/NEMA TYPE 4X,13			
Environmental Condition			Upright				
Insulation Resistance			More than 1MΩ at 500V DC between live part and non-current carrying metallic part		More than 3MΩ at 500V DC between live part and non-current carrying metallic part		
Withstand Voltage			500V AC applied for 1min between live part and non-current carrying metallic part without breaking insulation		4,000V AC applied for 1min between live part and non-current carrying metallic part without breaking insulation		
Mass (Typ.)			SF10-M1JN	0.40kg	SF10-M2JN	0.43kg	
			SF10-M1KTN	0.39kg	SF10-M2KTN	0.42kg	
			SF10-M1KTB	0.40kg	SF10-M2KTB	0.43kg	
Sound Pressure Level (Typ.)			88dB				
Environmental Condition			Measured at 1m from the front of the Buzzer Opening				
Rotation Flashing Rate(Typ.)			180 rpm[High Speed], 120 rpm[Middle Speed], 60 rpm[Low Speed]				
Flashing Rate(Typ.)			Single-flash(60 flashes per minute), Double-flash(90 flashes per minute)				
			Triple-flash(120 flashes per minute), Pulse pattern(20 flashes per minute)				
Conformity Standards			UL	UL508, CSA-C22.2 No.14 (UL File No.E215660)			
			EMC Directive	EN61000-6-4		EN61000-6-4, EN61000-6-2	
				EN61000-6-2		EN61000-3-2, EN61000-3-3	
			KC	KN61000-6-4, KN61000-6-2			
			FCC	FCC Part15 SubpartB ClassA, ICES-003 ClassA			
			RoHS Directive	EN IEC 63000			
			Low Voltage Directive			IEC/EN60947-5-1,EN62471	
			EAC	TPTC020/2011		TPTC020/2011, TPTC004/2011	
			UL, Low Voltage Directive, and EAC have been evaluated for use in indoor industrial control equipment.				
Remarks			Due to the characteristics of the LED elements, there may be a slight variation in color tone and brightness between products.				

PATLITE Corporation

Drawing No.	Rev.	Page
SF10-M1JN-W18	F	2 / 5

[2.Model Number Configuration]

S F 1 0 - M 1 K T B - R

■ **Rated Voltage**

M1 : 12-24V DC
M2 : 100-240V AC

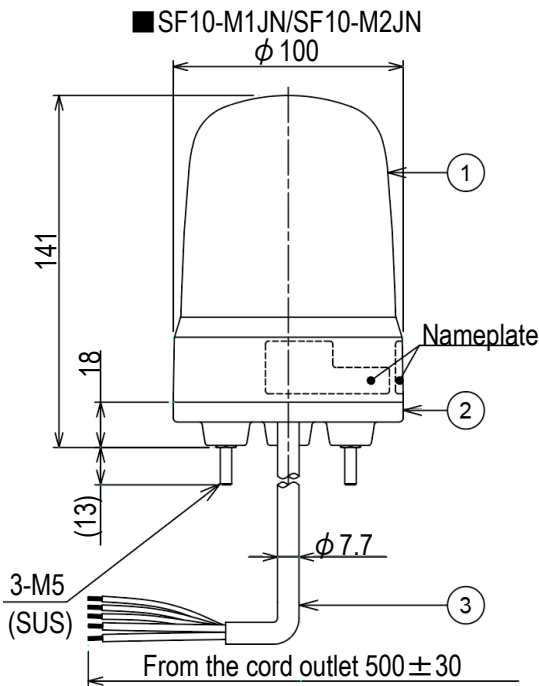
■ **Installation · Wiring · Buzzer**

JN : 3-screw Mounting · Cabtyre Cord · No Buzzer
KTN : 2-point Hole Type Mounting · Terminal Block · No Buzzer
KTB : 2-point Hole Type Mounting · Terminal Block · With Buzzer

■ **LED Unit Color**

R : Red
Y : Amber
G : Green
B : Blue

[3.Outer Dimensions]

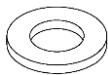


[mm]

· Maximum Board Thickness : 8

Accessory(Only SF10-M□JN)

Plain Washer(M5)
SUS



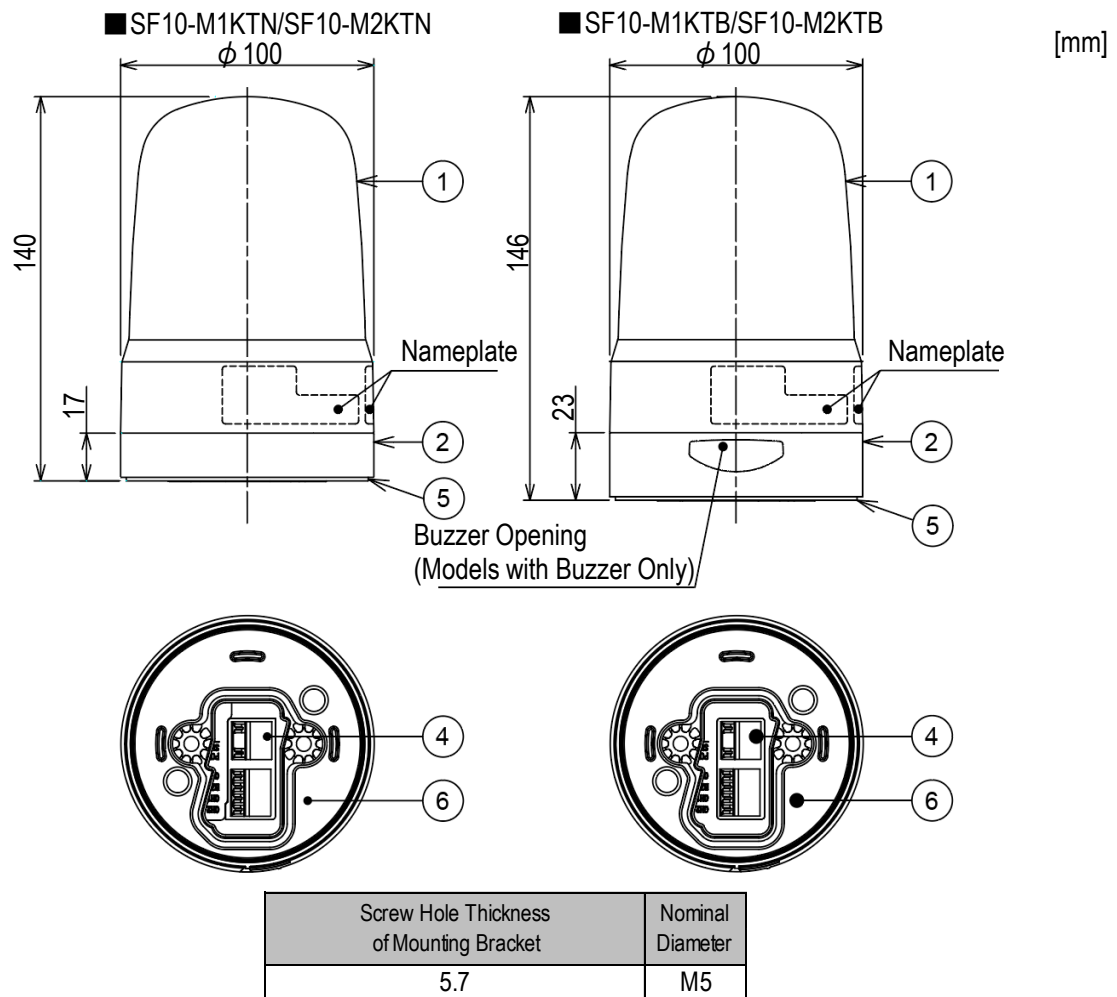
3 pcs.

Nut(M5)
SUS



3 pcs.

[3.Outer Dimensions]

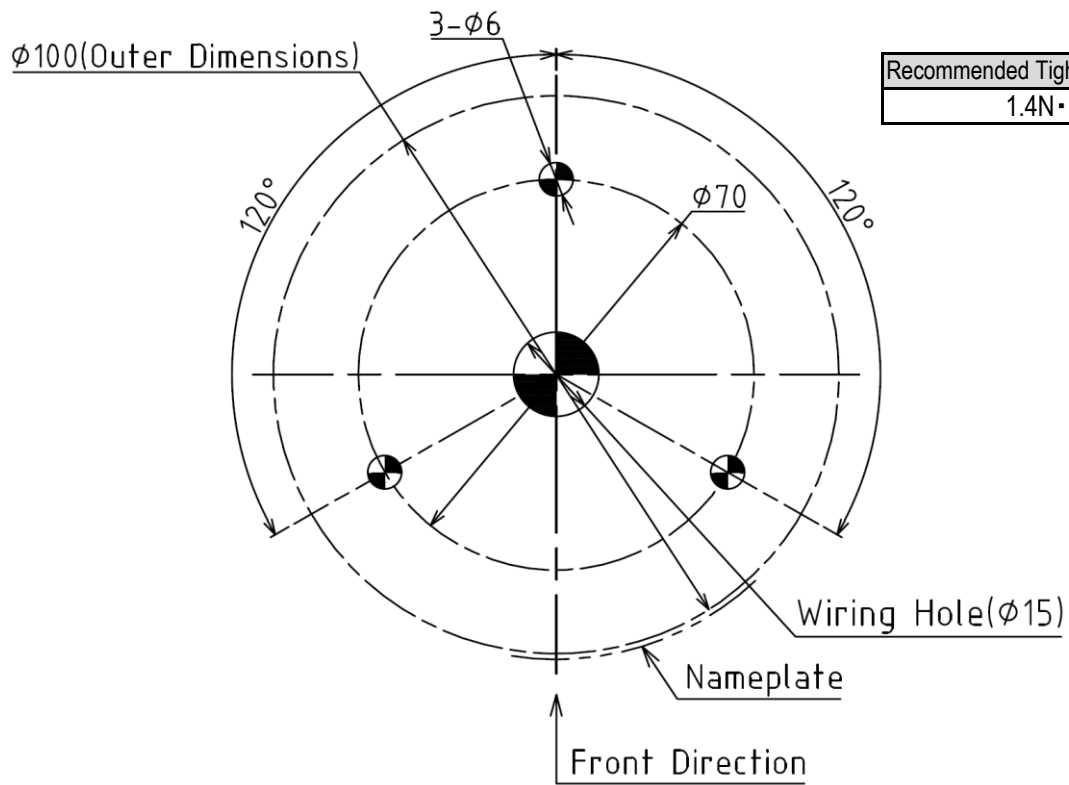


Number	Name	Material ・ Specification
1	Globe	PC
2	Case	PC
3	Cable Cord	UL2464, PVC, M1JN : AWG22×5, M2JN : AWG18×2+AWG24×3
4	Terminal Block	LCP GF, Applicable Wire Size Solid Wire : 0.13-1.5mm ² , Stranded Wire : AWG28-14
5	Mounting Bracket	PC
6	Waterproof Sheet	Silicone

[4.Mounting Dimensional Drawing]

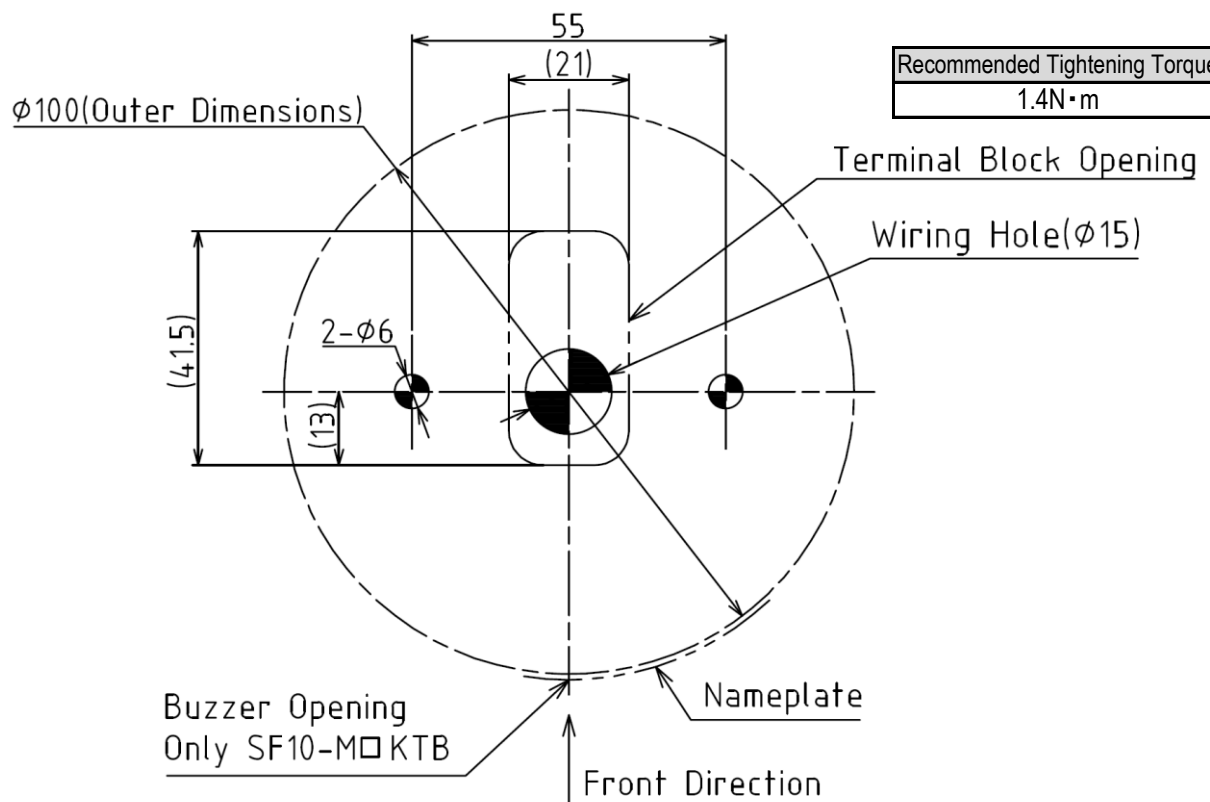
■ SF10-M1JN/SF10-M2JN

[mm]



Recommended Tightening Torque
1.4N·m

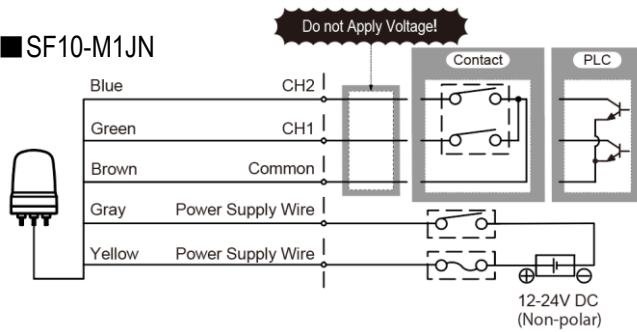
■ SF10-M1KT□/SF10-M2KT□



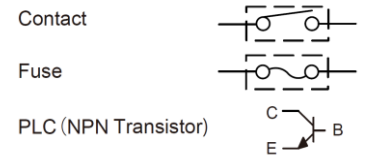
Recommended Tightening Torque
1.4N·m

[5.Wiring Example]

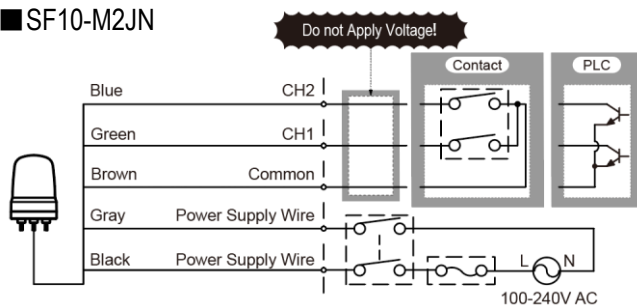
SF10-M1JN



Symbol



SF10-M2JN



【External contact capacity of power supply line】

	M1	M2
Current Capacity (Is)	3A or more	1A or more

【External contact capacity of signal line and buzzer line】※1

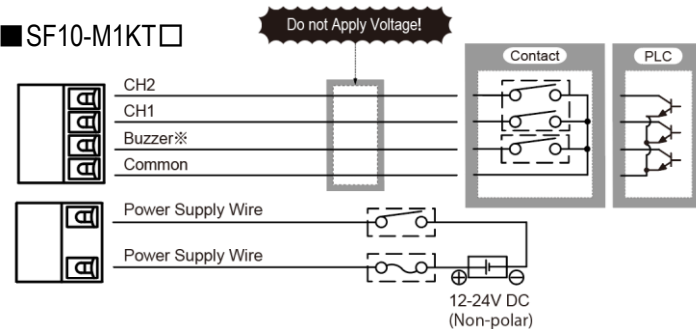
	M1	M2
Current Capacity (Is)	10mA or more	10mA or more
Withstand Voltage (Vs)	20V or more	20V or more
Leakage Current (IL)	0.1mA or less	0.1mA or less

※1 When using NPN transistor open collector.

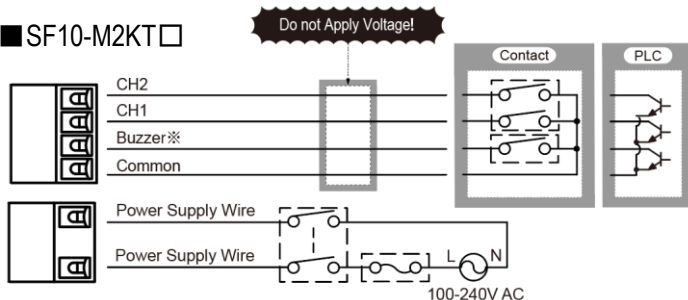
【Fuse】

Fuse Rating	250V 1A
-------------	---------

SF10-M1KT□



SF10-M2KT□



※For No Buzzer Models,
do not require wiring.

Flash Pattern List

Rotary switch	Wiring	CH1	CH2	CH1	CH2	CH1	CH2	CH1	CH2
		OFF	OFF	ON	OFF	OFF	ON	ON	ON
0		Off		Rotating(120 rpm)		Triple-flash		Rotating(120 rpm)	
1		Off		Rotating(180 rpm)		Triple-flash		Rotating(180 rpm)	
2		Off		Triple-flash		Pulse pattern		Triple-flash	
3		Off		Rotating(60 rpm)		Rotating(120 rpm)		Rotating(180 rpm)	
4		Off		Single-flash		Double-flash		Triple-flash	
5		Triple-flash		Triple-flash		Triple-flash		Triple-flash	
6		Pulse pattern		Pulse pattern		Pulse pattern		Pulse pattern	
7		Rotating(60 rpm)		Rotating(60 rpm)		Rotating(60 rpm)		Rotating(60 rpm)	
8		Rotating(120 rpm)		Rotating(120 rpm)		Rotating(120 rpm)		Rotating(120 rpm)	
9		Rotating(180 rpm)		Rotating(180 rpm)		Rotating(180 rpm)		Rotating(180 rpm)	

= Dimmed

= Half-side emitted

The rotary switch is set to 0 when shipped from the factory.