

MP / MPS

Signal Tower



LED



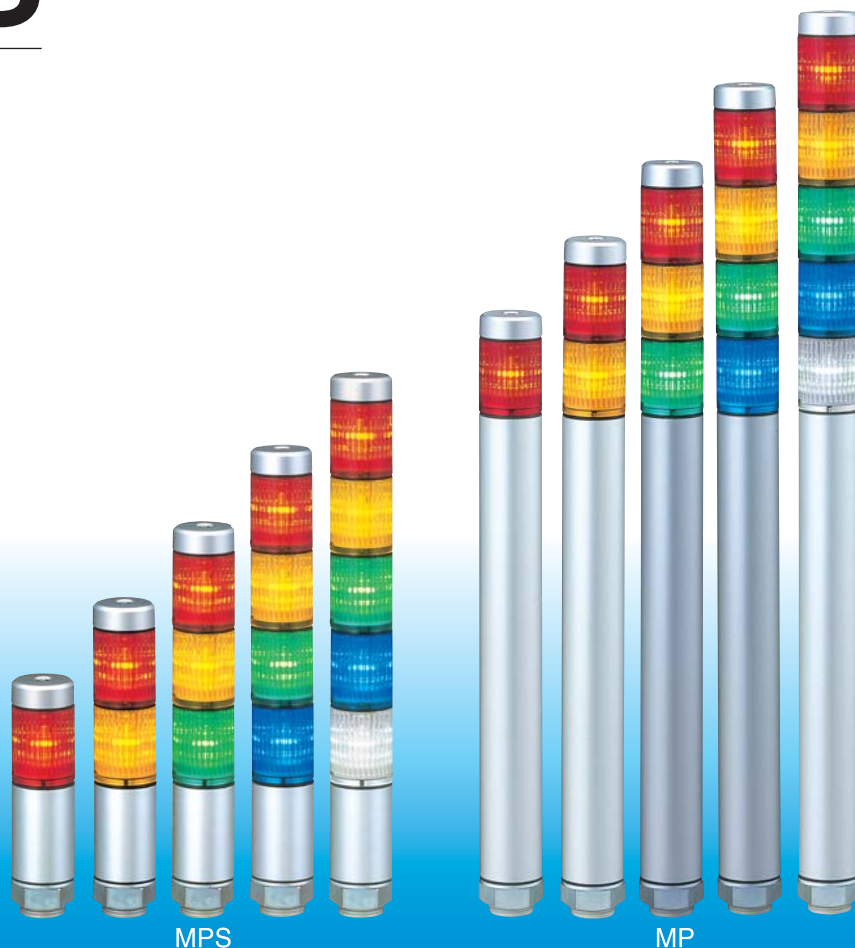
Cabtire
Special order



Ø30

IP65

NPN/PNP
Open collector



MPS

MP

Patented reflection
system increases
visibility.



High intensity
LED



Good visibility
from any direction

Super slim Ø30mm silver body Signal Tower ideal for small devices.

- PATLITE's Exclusive Hybrid Prism-Cut Lens: For enhanced visibility from any direction and distance.
- Double Insulation: For enhanced durability and safety in the work environment.
- Installation: Direct mount with a single hole.
- Interchangeable LED module: No re-wiring even after installation.
- Main Body: Superior impact- and heat-resistant ABS resin.
- Lens: Superior weather-resistant and light-translucent AS resin.
- Available Colors: Red, Amber, Green, Blue, White.

Available for Special Order:

- Cabtire Cable: Versatile and flexible 3m cable.
- All Clear Lens: Distinctive color recognition when operated (B0438 type).
- UL type (E215660).
- Available Colors: Red, Amber, Green, Blue, Clear/White.

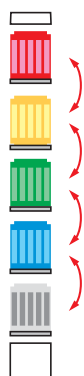
Interchangeable LED modules

- Changeable color sequence: Easy to add/ remove up to 5 colored modules even after installation.
- Note: LED modules of the same color will light up simultaneously.

The wiring remains the same.

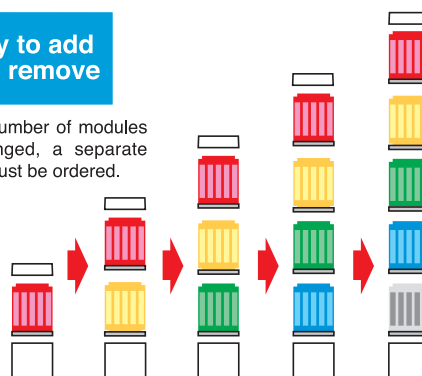
The corresponding wire color lights the module no matter where it is in the stack.

- Note: Add-on kit is required to add another LED module.

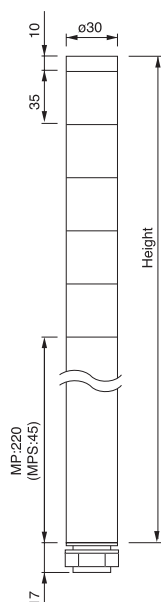


Easy to add or to remove

If the number of modules is changed, a separate shaft must be ordered.



Dimensions

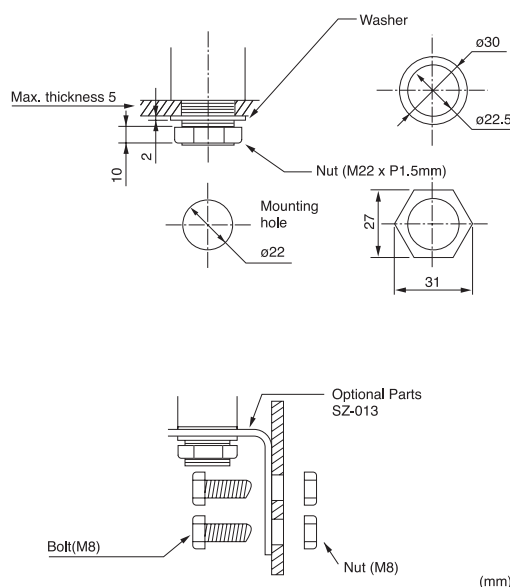


MP type

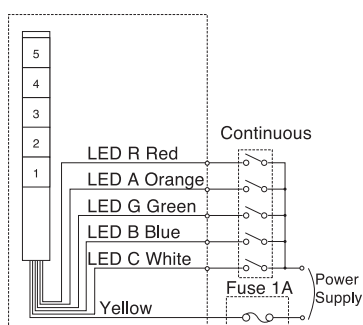
Height (mm)	
1 Light:265	
2 Lights:300	
3 Lights:335	
4 Lights:370	
5 Lights:405	

MPS type

Height (mm)	
1 Light:90	
2 Lights:125	
3 Lights:160	
4 Lights:195	
5 Lights:230	



Wiring Diagram

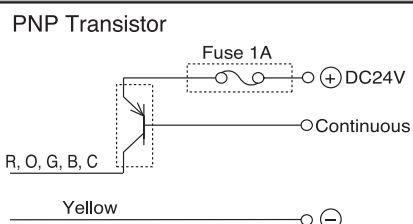
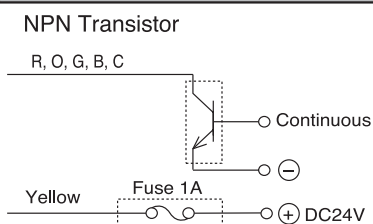


MP/MPS Voltage and Amperage of lead wire per layer

Voltage Type	Signal Line Voltage	MP/MPS Signal Line Current	Color of LED unit	color of lead wire
AC/DC 24V	DC 24V	R, Y: 30mA G, B, C: 25mA	Red	Red
			Amber	Orange
			Green	Green
			Blue	Blue
			Clear	White

※ MP/MPS has no polarity.

DC 24V:NPN / PNP Transistor



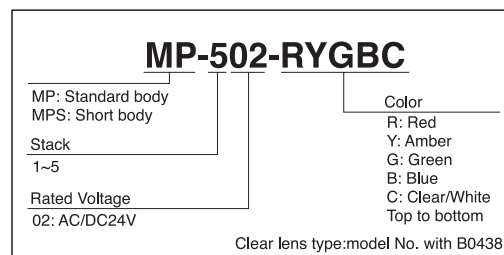
Transistor Capacity

Model	MP/MPS Transistor (NPN/PNP)
Current Capacity	I _c ≥ 50mA
Withstand Voltage	V _c ≥ 35V
Current Leakage	I _l < 0.1mA

MP / MPS type

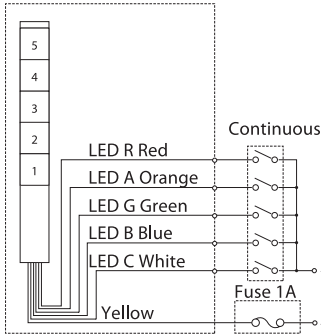
Number of stacks	Model	Rated Voltage	Power Consumption
1 Light	MP/MPS-102	AC/DC 24V	0.7W
2 Lights	MP/MPS-202	AC/DC 24V	1.4W
3 Lights	MP/MPS-302	AC/DC 24V	2.0W
4 Lights	MP/MPS-402	AC/DC 24V	2.6W
5 Lights	MP/MPS-502	AC/DC 24V	3.2W

How to order



ME/MES/MP/MPS/STD/WM Wiring Diagram

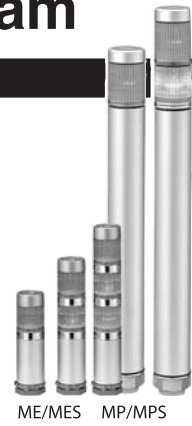
[ME/MES/MP/MPS Model]



ME/MES/MP/MPS Voltage and Amperage of lead wire per layer

Voltage Type	Signal Line Voltage	ME-A/MES-A	MP/MPS	Color of LED unit	color of lead wire
		Signal Line Current	Signal Line Current		
DC 24V	DC 24V	R,Y: 25mA G,B,C: 20mA	R,Y: 30mA G,B,C: 25mA	Red	Red
AC 24V	AC 24V	-	-	Amber	Orange
				Green	Green
				Blue	Blue
				Clear	White

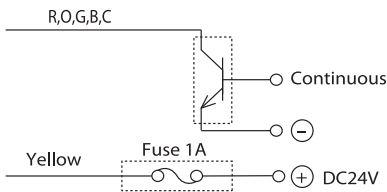
※ MP/MPS has no polarity.
(ME/MES:positive(+) on yellow.)



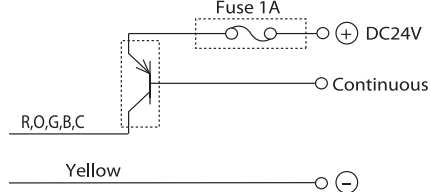
ME/MES MP/MPS

DC 24V:NPN(PNP)Transistor

(NPN Transistor)



(PNP Transistor)※Only MP/MPS

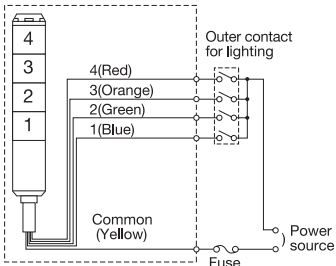


Transistor Capacity

Model	ME/MES	MP/MPS
	Transistor (NPN)	Transistor (NPN/PNP)
Current Capacity	Ic [^] 0.1A	Ic [^] 50mA
Withstand Voltage	Vc [^] 35V	Vc [^] 35V
Current Leakage	I _L <0.1mA	I _L <0.1mA

[STD Model]

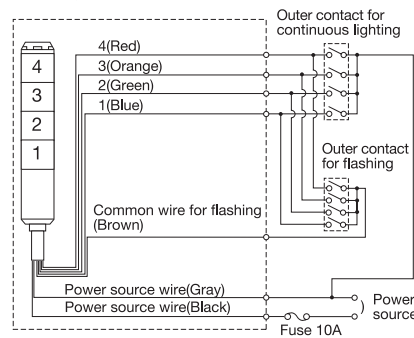
STD(Continuous lighting type)



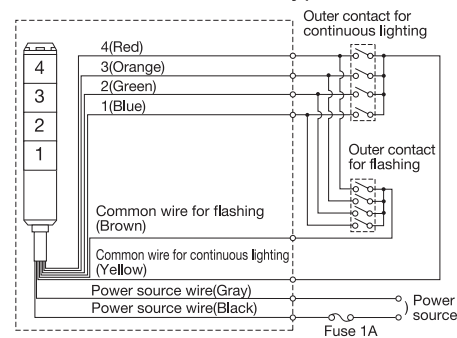
Amperage rating for the fuse

Voltage Type	Amperage rating
AC/DC24V	3A
AC100~240V	1A

STD-F
24V type



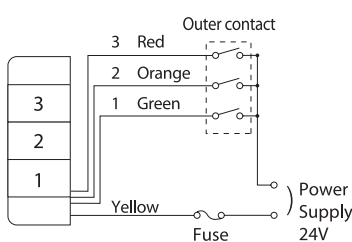
STD-F
100V/120V/200~240V type



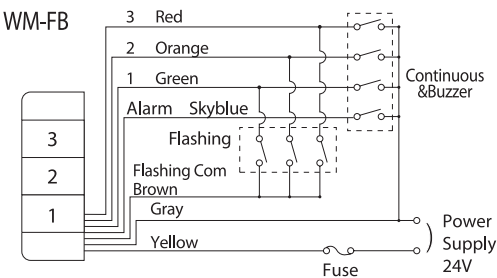
STD

[WM-□□□(FB) Model]

WM



WM-FB



Lead wire color correspondence table

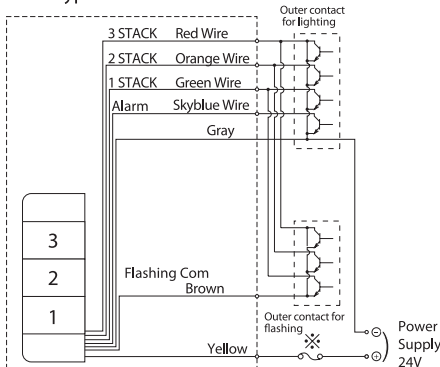
Style	1	2	3	4	5
2 Lights	O	R	-	-	-
3 Lights	G	O	R	-	-
4 Lights	B	G	O	R	-
5 Lights	W	B	G	O	R



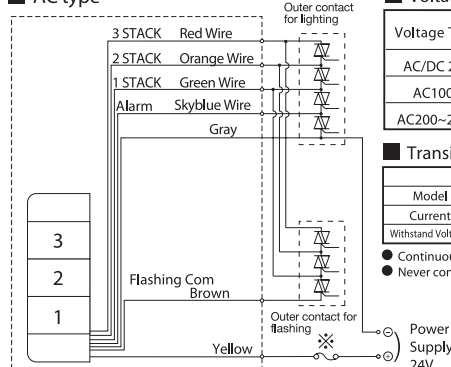
WM

24V:NPN(PNP)Transistor

DC type



AC type



Voltage and Amperage of lead wire per layer

Voltage Type	Signal Line Current	Incandescent bulb		Alarm	
		Signal Line Current	Rush Current	Signal Line Current	Rush Current
AC/DC 24V	AC/DC 24V	400mA	4.6A	20mA	250mA
AC100V	AC 100V	100mA	1A	25mA	250mA
AC200~240V	AC 220V	50mA	0.5A	25mA	250mA

Transistor Capacity

Model	Transistor (NPN or PNP)
Current	Ic [^] 4A
Withstand Voltage	Vc [^] 35V

TRIAC Capacity

Voltage	24V AC	100~200V AC
Current Capacity	I _o [^] 4A	I _o [^] 1A
Withstand Voltage	Vo [^] 50V	Vo [^] 250V
Current Leakage	I _{le} 6mA	

- Continuous signal has priority when Flashing signal is activated simultaneously.
- Never connect Alarm wire to Flashing common wire.

This diagram shows NPN diagram.
In case of PNP, please connect in reverse order as of NPN.