MACLIT INDICATOR

FEATURES

- The Maclit indicator is operated by the electromagnetic polarity inversion method. The status is displayed by rotating the display part. The SS and MS types have built-in LED allowing them to be recognized at night.
- Types SS and MS can display 3 states; “Load ON”, “Load OFF”, “Loss of power to the indicator”.
- Materials with high weather resistance are used to allow this product to be used for outdoor equipment (SQ and MS types).
- The Maclit Indicator can operate at low power consumption. It offers various advantages including energy saving, space saving, and maintenance free.
- The MS type is provided with the residual display function. When the display power source is lost, the color displayed immediately before that loss and the other colors appear at their respective ratios of 2/3 and 1/3 on the display part. This function allows you to identify the status at a glance in which the power source has been lost (except for the MSD indicator).

SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification \ Type	LS	SS	MS
Rated insulation voltage	250V AC/DC		
Rated current-carrying capacity	25mA – 40mA AC/DC	Max. 20mA AC/DC	25mA AC/DC
Withstand votage	2,000V AC/1 min.	2,500V AC/1 min.	
Lightning impulse	±6,000V/3 times for each pole (1.2/50 μs)	±7,000V/3 times for each pole (1.2/50 μs)	
Insulation resistance	Min. 100MΩ		
Shock resistance	Min. 30G	Min. 50G	
Service life	100 thousand times min.	300 thousand times min.	100 thousand times min.
Location of use	Indoor/outdoor	Indoor	Indoor/outdoor
Operating temperature	–20 to 75°C	–20 to 75°C	
Protective structure		Closed type	Waterproof type and dustproof type

MACLIT INDICATOR

ORDERING METHOD

Select from the following product coding.

PRODUCT CODING

Type LS Maclit (mounted on PCB)

LS B 12 R G

Basic type

Operating method

B	Instantaneous excitation method
S	Continuous excitation method

Supply voltage

12	12V DC
24	24V DC

Display color on setting side

R	Red
W	White
G	Green
O	Orange
Y	Yellow

∗For combination of setting and resetting sides, contact the person in charge.

Display color on resetting side

B	Black
R	Red
G	Green

Type SS Maclit

SS-11B

Basic type

Supply voltage

11	100/110V AC/DC
∗**22**	200/220V AC/DC

∗For the 200/220V AC or V DC type, a separate resistor is added to the 100/110V type.

Surface frame color

B	N1.5
4/1.5	7.5BG4/1.5

Type MS Maclit

MSD-DC11B

Basic type

Circuit and power source

Code	Alternating current	Direct current
D-AC	○	–
D-DC	–	○
B-S-AC	○	–
B-S-DC	–	○
Default	○	○

∗If no symbol is indicated, the MS-11B is assumed.
For the MSD and MSB-S, indicate the power source type (AC or DC).

Supply voltage

Code	Voltage
11	110V
∗**22**	220V

∗For the 200/220V AC or V DC type, a separate resistor is added to the 100/110V type.

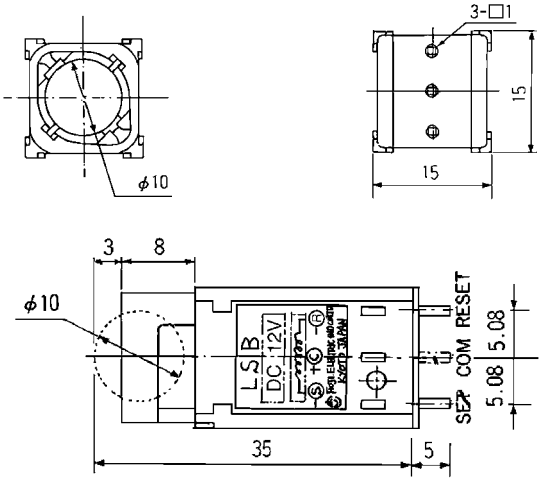
Surface frame color

Code	Munsell color
B	N1.5
BG	7.5BG4/1.5

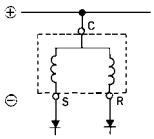
MACLIT INDICATOR

LS TYPE

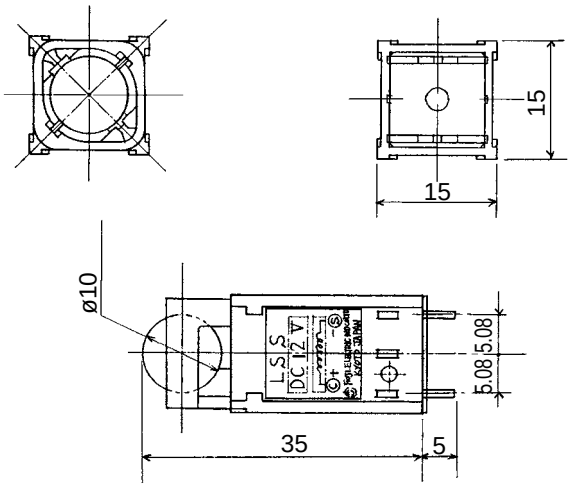
LSB TYPE



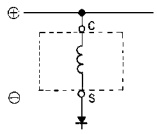
●Circuit diagram



LSS TYPE

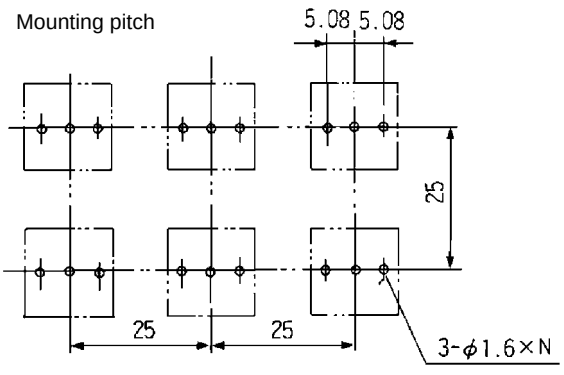


●Circuit diagram

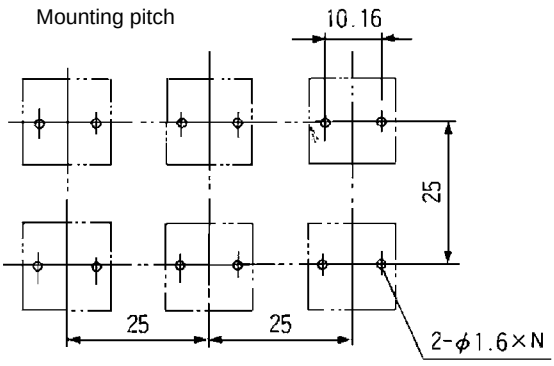


MOUNTING DIMENSIONS

[LSB]



[LSS]

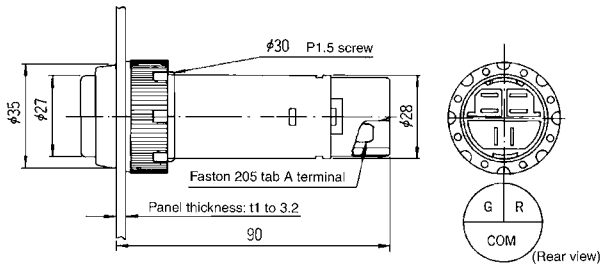


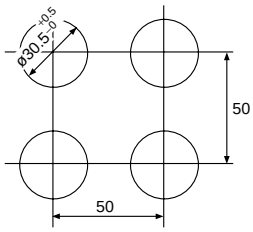
MACLIT INDICATOR

SS TYPE

SS TYPE

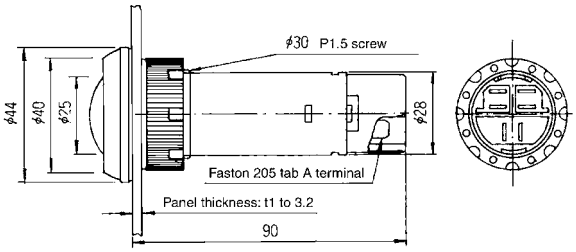
●Mounting hole size

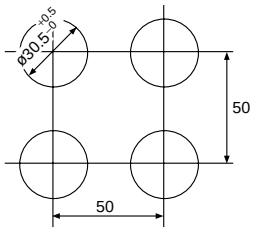




SQ TYPE

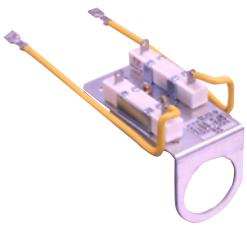
●Mounting hole size



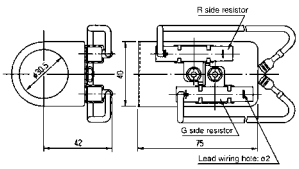


ACCESSORIES [SS • SQ TYPE]

Resistor [SS-22]

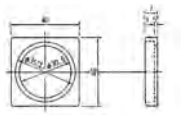


For 200/220 V:
Use the SS-11 for the main body.
The resistor is 6 kΩ, 10 W for the R side or 9 kΩ, 10 W for the G side.



Square type adapter

Only the SS type can be mounted.

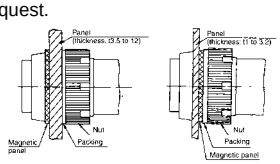


Product name	Color
SS adaptor 4/1.5	7.5BG4/1.5
SS adaptor B	N1.5

[Applicable panel]

When the applicable panel is a non-magnetic body:

* The magnetic panel is available on request.

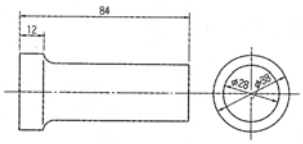


Note: When the panel thickness is 6 to 12 mm, the nut becomes different. Specify the nut additionally.

[Tightening tool, jig C]

Insert the pawl into the slot in the nut and then turn it.

[Condensation-free cover: SQ-CV-C]

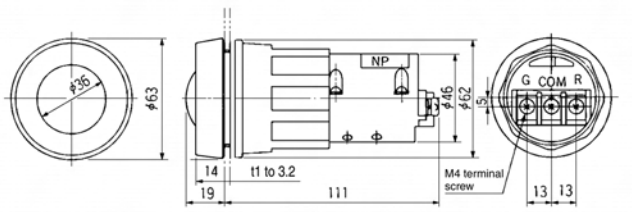


MACLIT INDICATOR

MS TYPE

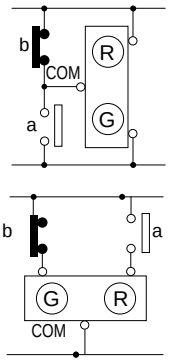
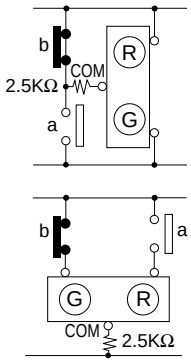
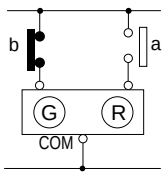
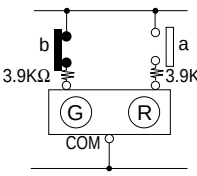
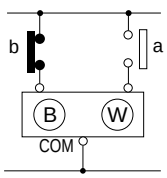
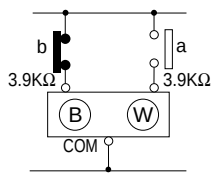
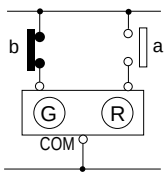
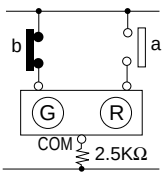
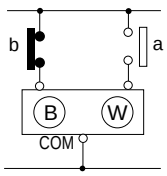
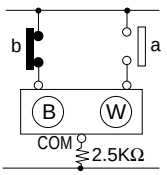
MS TYPE (Common to all models)

●Mounting hole size



＊The terminal protective cover (MS-CV) is provided as standard on the main body.

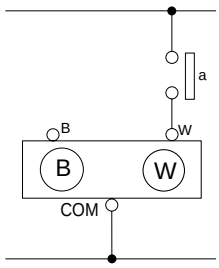
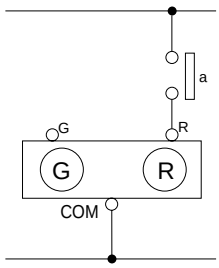
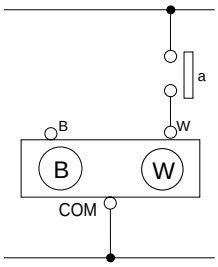
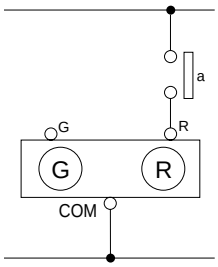
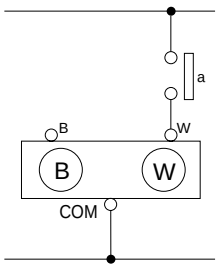
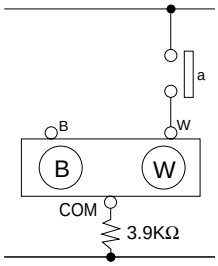
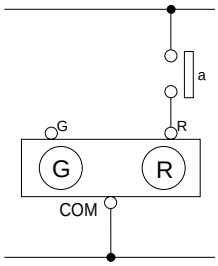
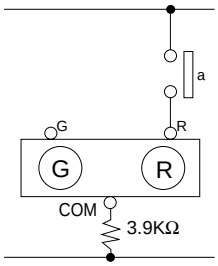
MODELS AND CIRCUIT TYPES

Type	Supply voltage	Surface color	Circuit type 110V	Circuit type 220V	Operating status	Lens color
MS-11	110V AC/DC When used at 220V AC/DC, mount a separate resistor of 3.9kΩ, 10W.	Black . 7.5BG 4/1.5			(1) When b is turned ON, G (green) is displayed. (2) When a is turned ON, R (red) is displayed. (3) When the power is turned OFF, the center color is displayed.	R · G (Red · Green)
MSD-DC11	110V DC When used at 220V DC, mount a separate resistor of 3.9kΩ, 10W.	Black . 7.5BG 4/1.5			(1) When b is turned ON, G (green) is displayed. (2) When a is turned ON, R (red) is displayed. (3) When the power is OFF, the indicator is in the previous operating mode and does not return to the center color display mode.	R · G (Red · Green)
					(1) When b is turned ON, B (black) is displayed. (2) When a is turned ON, W (white) is displayed. (3) When the power is OFF, the indicator is in the previous operating mode and does not return to the center color display mode.	W · B (White · Black) The LED is yellow.
MSD-AC11	110V AC When used at 220V AC, mount a separate resistor of 2.4kΩ, 10W.	Black . 7.5BG 4/1.5			(1) When b is turned ON, G (green) is displayed. (2) When a is turned ON, R (red) is displayed. (3) When the power is OFF, the indicator is in the previous operating mode and does not return to the center color display mode.	R · G (Red · Green)
					(1) When b is turned ON, B (black) is displayed. (2) When a is turned ON, W (white) is displayed. (3) When the power is OFF, the indicator is in the previous operating mode and does not return to the center color display mode.	W · B (White · Black) The LED is yellow.

MACLIT INDICATOR

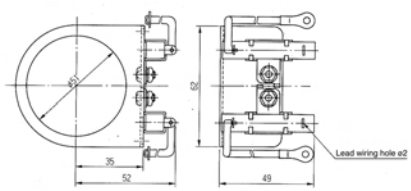
MS TYPE

MODELS AND CIRCUIT TYPES

Type	Supply voltage	Surface color	Circuit type		Operating status	Lens color
			110V	220V		
MSB-SBW	110V AC	Black · 7.5BG 4/1.5			(1) When a is turned ON, W (white) is displayed. (2) When the power and a are turned OFF, black is displayed. This is simple 2-color display without a center color.	B · W (Black · White)
MSB-SRG					(1) When a is turned ON, R (red) is displayed. (2) When the power and a are turned OFF, green is displayed. This is simple 2-color display without a center color.	R · G (Red · Green)
MSB-SBW	220V AC No separate resistor is required.	Black · 7.5BG 4/1.5			(1) When a is turned ON, W (white) is displayed. (2) When the power and a are turned OFF, black is displayed. This is simple 2-color display without a center color.	B · W (Black · White)
MSB-SRG					(1) When a is turned ON, R (red) is displayed. (2) When the power and a are turned OFF, green is displayed. This is simple 2-color display without a center color.	R · G (Red · Green)
MSB-SBW	110V DC When used at 220V DC, mount a separate resistor of 3.9kΩ, 10W.	Black · 7.5BG 4/1.5			(1) When a is turned ON, W (white) is displayed. (2) When the power and a are turned OFF, black is displayed. This is simple 2-color display without a center color.	B · W (Black · White)
MSB-SRG					(1) When a is turned ON, R (red) is displayed. (2) When the power and a are turned OFF, green is displayed. This is simple 2-color display without a center color.	R · G (Red · Green)

ACCESSORIES

Resistor [MS-22]



MOUNTING