



360°-directional indicator for outdoor use

LUSO, USO TYPE



PILOT LAMP &
INDICATOR

FEATURES

■360°-directional indicator for outdoor use

The indicator can be viewed from 360° and covers a wide variety of applications such as test equipment, production equipment, parking lots, in addition to indicating the breaker ON/OFF status.

■Resin material with excellent weather resistance

A high-performance polycarbonate resin that can withstand outdoor use, keeps vivid color for a long period.

■High-brightness LED (LUSO type)

The LUSO type indicator equips high-brightness LEDs. The LEDs enable you to recognize the lighting status even in the daytime and ensures a long service life.

SPECIFICATIONS (RATINGS, PERFORMANCE)

Specification	Type	LUSO (LED)	USO (Candescence lamp)
Rated insulation voltage (Ui)		250V AC / DC	
Rated operational voltage		48 V DC, 100 / 110 V DC, 100 / 110 V AC, 200 / 220 V AC	100 / 110 V, 200 / 220 V AC / DC
Withstand voltage	(Between live parts and mounting panel)	2,500 V AC for one minute	
Lightning impulse	(Between live parts and mounting panel)	± 7,000, 3 times for each pole (1.2 / 50 μs)	
Insulation resistance		Insulation resistance meter (500 V DC), 100 MΩ or more	
Shock resistance		50G or more	
Operating temperature		-25 to 55°C	
Storing temperature		-40 to 85°C	
Altitude		2,000 m max., Applicable to outdoor use. (Except for environments that may cause damage from salt water)	



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How to order

Select from the following product coding.

PRODUCT CODING

[LUSO type LED indicator]

LUSO-A RG DC04

Basic type

Type

Lens color

Rated operational voltage

[USO type incandescent indicator]

USO-A RG 04

Basic type

Type

Lens color

Power supply voltage

●Model lineup (LUSO type)

Rated operational voltage	TYPE A	TYPE C	TYPE D	TYPE E	TYPE F	TYPE H	TYPE CH
48 V DC	LUSO-A RG DC04	LUSO-C RG DC04	LUSO-D RG DC04	LUSO-E RG DC04	LUSO-F RG DC04	LUSO-H RG DC04	LUSO-CH RG DC04
100 / 110 V DC	LUSO-A RG DC11	LUSO-C RG DC11	LUSO-D RG DC11	LUSO-E RG DC11	LUSO-F RG DC11	LUSO-H RG DC11	LUSO-CH RG DC11
100 / 110 V AC	LUSO-A RG AC11	LUSO-C RG AC11	LUSO-D RG AC11	LUSO-E RG AC11	LUSO-F RG AC11	LUSO-H RG AC11	LUSO-CH RG AC11
200 / 220 V AC	LUSO-A RG AC22	LUSO-C RG AC22	LUSO-D RG AC22	LUSO-E RG AC22	LUSO-F RG AC22	LUSO-H RG AC22	LUSO-CH RG AC22

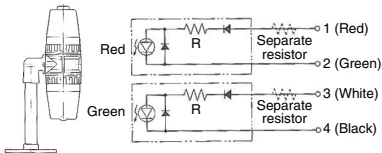
●Model lineup (USO type)

Rated operational voltage	A	C	D	E	Lamp
48 V (AC / DC)	USO-A RG 04	USO-C RG 04	USO-D RG 04	USO-E RG 04	10W 48V
100 / 110 V (AC / DC)	USO-A RG 11	USO-C RG 11	USO-D RG 11	USO-E RG 11	10W 140V
200 / 220 V (AC / DC)	USO-A RG 22	USO-C RG 22	USO-D RG 22	USO-E RG 22	10W 250V

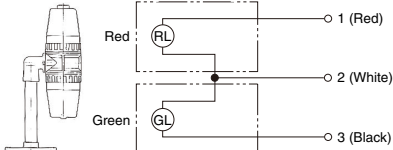
Handling instructions

●Internal circuit diagram

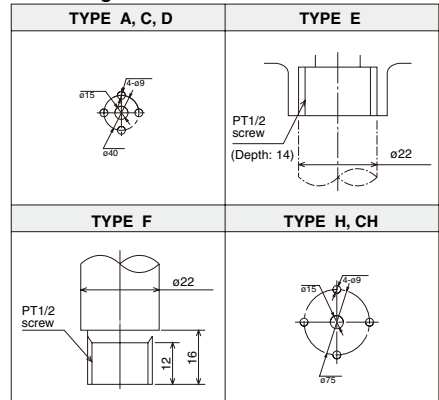
LUSO Type Lead wire (VCTF, 1.25 mm², 3-wire, 1.5 m)



USO Type Lead wire (VCTF, 1.25 mm², 3-wire, 1.5 m)



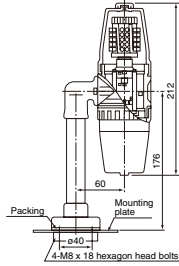
●Mounting hole dimensions



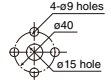
PILOT LAMP & INDICATOR

STANDARD PRODUCTS

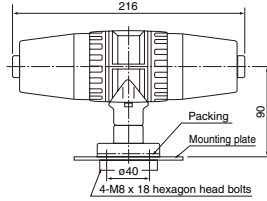
LUSO-A RG Voltage



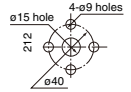
● Mounting hole size



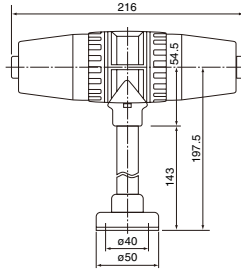
LUSO-C RG Voltage



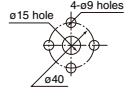
● Mounting hole size



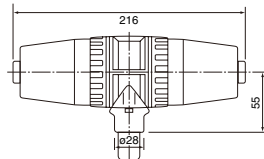
LUSO-D RG Voltage



● Mounting hole size



LUSO-E RG Voltage



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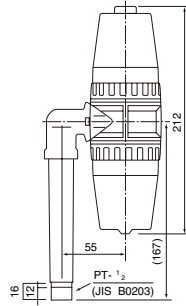


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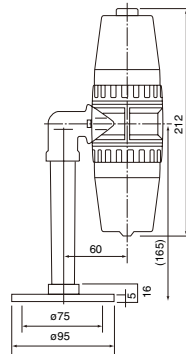
LUSO TYPE

STANDARD PRODUCTS

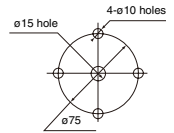
LUSO-F RG Voltage



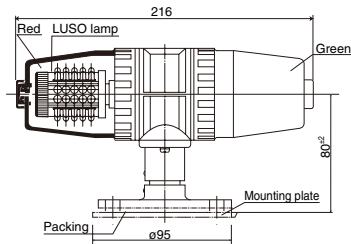
LUSO-H RG Voltage



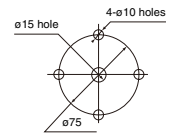
● Mounting hole size



LUSO-CH RG Voltage



● Mounting hole size



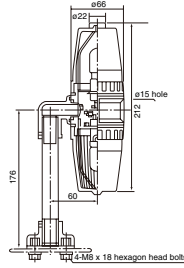


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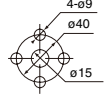
USO TYPE

STANDARD PRODUCTS

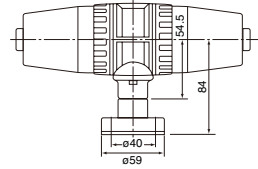
USO-A RG Voltage



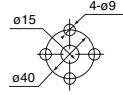
● Mounting hole size



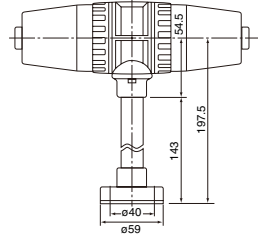
USO-C RG Voltage



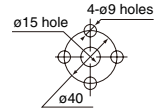
● Mounting hole size



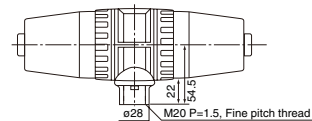
USO-D RG Voltage



● Mounting hole size



USO-E RG Voltage





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ACCESSORIES

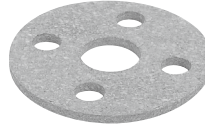
Lens



Color	Type
Red	LUSO lens R (Common to all USO indicators)
	USO lens G
Green	LUSO lens G

Packing

The packing is applicable to both USO and LUSO indicators.



(Type)
USO packing 1

Material: Silicone rubber

Replacement lamp

●LUSO type



Rated operational voltage	Type	
	Red	Green
48 V DC	LUSO lamp, 48 V DC, R	LUSO lamp, 48 V DC, Y
100/110 V DC	LUSO lamp, 70 V DC, R	LUSO lamp, 70 V DC, Y
100/110 V AC	LUSO lamp, 110 V AC, R	LUSO lamp, 110 V AC, Y
200/220 V AC	LUSO lamp, 110 V AC, R	LUSO lamp, 110 V AC, Y

●USO type



Rated operational voltage	Type
48V	Lamp BA-15D, 48 V
100 / 110V	Lamp BA-15D, 140 V
200 / 220V	Lamp BA-15D, 250 V