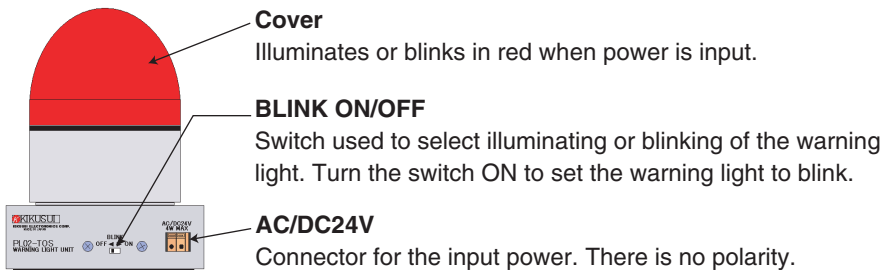


**OPERATION MANUAL****Warning Light Unit PL02-TOS**

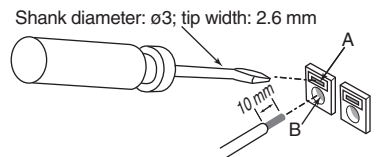
The PL02-TOS warning light unit indicates that a Kikusui withstanding voltage tester, withstanding voltage and insulation resistance tester, or electrical safety analyzer (hereafter referred to as the Tester) that has a STATUS OUT (24 V) terminal is in a test state.

**WARNING**

**For your safety, be sure to check the warning light illuminates before using it. Do not leave or use the PL02-TOS with the cover removed or when the cover is broken.**

**Names of Parts****■ Connecting to the connector**

- 1 Remove 10 mm of coating from the tip of the wires.
- 2 Insert a flat-blade screwdriver into A, and open B.
- 3 Insert the wire into B. Take care to prevent the coating from becoming caught in B.
- 4 Gently pull on the wire to confirm that it is securely connected.

**Applicable wires**

- Wire length Less than 3 m
- Solid wire  $\varnothing 0.4$  to  $\varnothing 1.2$  (AWG26 to 16)
- Stranded wire  $0.3 \text{ mm}^2$  to  $1.25 \text{ mm}^2$  (AWG22 to 16)  
Element wire diameter  $\varnothing 0.18$  or more

## Operating Procedure

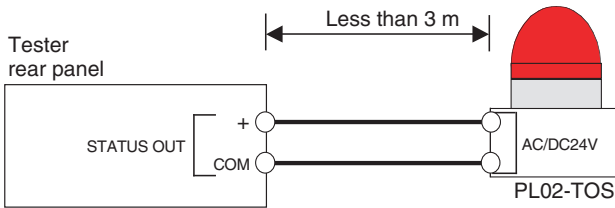


### WARNING

Be sure to turn off the Tester before connecting the wires.

- 1 Connect the AC/DC24V connector of the PL02-TOS and the STATUS OUT terminal of the Tester.
- 2 Set the Tester so that a signal is output from the STATUS OUT terminal when a test is in progress.
- 3 The PL02-TOS is activated when a test is started on the Tester.

### ■ Connection example



### CAUTION

- A rubber magnet is attached to the bottom of the PL02-TOS to fix it in place. However, do not place the PL02-TOS on a slanted surface, uneven surface, or a place with vibrations. The rubber magnet cannot withstand strong shock. Be careful not to drop the PL02-TOS by carrying out acts such as yanking on the connection cord. Such acts can damage the warning light.
- If the cover needs cleaning, gently wipe using a soft cloth with water-diluted neutral detergent. Do not use volatile solvents such as thinner or benzene.

## Specifications

Power requirement		
Nominal Voltage		24 V AC/DC
Allowable voltage range		AC: 24 V $\pm$ 10 %, DC: 20 V to 30 V
Current consumption (24 Vdc)		55 mA
Maximum power consumption		4 W
Installation location		Indoors at an altitude of up to 2000 m
Environment		
Operating range	Temperature	0 °C 40 °C (32 °F to 104 °F)
	Humidity	20 %rh to 80 %rh (No condensation)
Storage range	Temperature	-20 °C to 70 °C (-4 °F to 158 °F)
	Humidity	90 %rh or less (No condensation)
Safety* <sup>1</sup>		Complies with the requirements of the following standard. IEC61010-1:1990-09 / A2:1995-07 (Class III, Pollution degree 2* <sup>2</sup> )  This equipment is designed to operate from overvoltage category I.
Insulation resistance		30 M $\Omega$ or more (500 Vdc) [between the connector and chassis]
Withstand voltage		500 Vac, 1 minute, 2 mA or less [between the connector and chassis]
Dimensions (largest section)		110 W x (160) H x 115 (120) D mm (4.33 W x (6.30) H x 4.53 (4.72) D inch)
Weight		Approx. 700 g (1.54 lb)
Accessories		Connection cord: 1 set (2.5 m) Operation manual: 1 copy.

\*1. A custom order model does not apply to.

\*2. Pollution is addition of foreign matter (solid, liquid or gaseous) that may produce a reduction of dielectric strength or surface resistivity. Pollution Degree 2 assumes that only non-conductive pollution will occur except for an occasional temporary conductivity caused by condensation.

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The newest version of the manual can  
be downloaded from Download service  
of Kikusui website.

**[www.kikusui.co.jp/en](http://www.kikusui.co.jp/en)**

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