

OPERATION MANUAL

Warning Light Unit **PL02A-TOS**

The PL02A-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.

Safety Precautions



WARNING

Indicates a potentially hazardous situation which, if ignored, could result in death or serious injury.



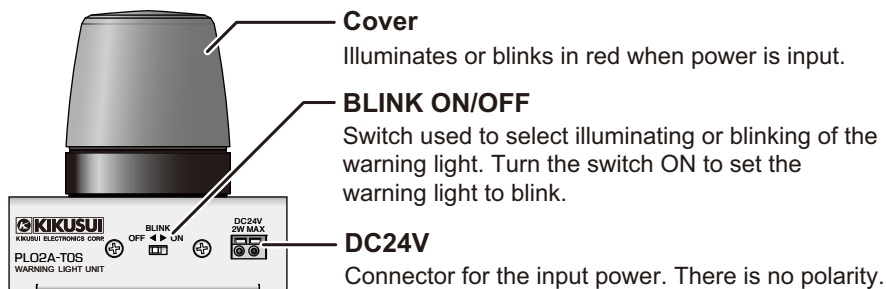
CAUTION

Indicates a potentially hazardous situation which, if ignored, may result in slight injury or damage to the product or other property.

WARNING

For your safety, be sure to check the warning light illuminates before using it. Do not leave or use the PL02A-TOS with the cover removed or when the cover is broken.

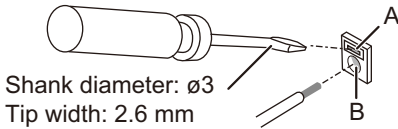
Names of Parts



Connecting to the connector

Applicable wires

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



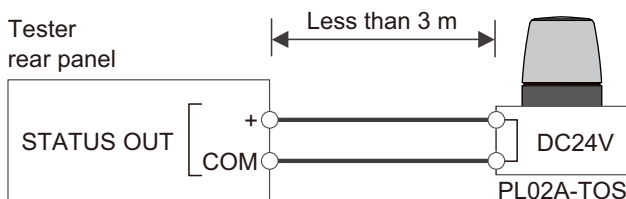
- 1** Remove 10 mm of coating from the tip of the wires.
- 2** Insert a flat-blade screwdriver into A, and open B.
- 3** Insert the wire into B. Take care to prevent the coating from becoming caught in B.
- 4** Gently pull on the wire to confirm that it is securely connected.

Operating Procedure

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

- 1** Connect the DC24V connector of the PL02A-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 PL02A-TOS is activated when a test is started on the Tester.

Connection example



⚠ CAUTION

- A rubber magnet is attached to the bottom of the PL02A-TOS to fix it in place. However, do not place the PL02A-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 PL02A-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.
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Specifications

Power requirement	Nominal Voltage	24 Vdc
	Allowable voltage range	24 Vdc $\pm$ 10 %
	Current consumption (24 Vdc)	40 mA
	Maximum power consumption	2 W
	Installation location	Indoors at an altitude of up to 2000 m
Environmental conditions	Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
	Operating humidity	20 %rh $\sim$ 80 %rh (No condensation)
	Storage temperature	-20 °C $\sim$ 70 °C (-4 °F to 158 °F)
	Storage humidity	90 %rh or less (No condensation)
Safety ¹		Complies with the requirements of the following standard. EN 61010-1 (Pollution degree 2 ²) This equipment is designed to operate from overvoltage category I.
Insulation resistance		30 M Ω or more (500 Vdc) [between the connector and chassis]
Withstand voltage		500 Vac, 1 minute, 5 mA or less [between the connector and chassis]
Dimensions (largest section)		W 95 mm $\times$ H 95 mm (100 mm) $\times$ D 95 mm (100 mm) W 3.74 inch $\times$ H 3.74 inch (3.94 inch) $\times$ D 3.74 inch (3.94 inch)
Weight		Approx. 400 g (0.88 lb)
Accessories		Connection cord: 1 set (2.5 m) Operation manual: 1 copy.

1. Does not apply to specially ordered or modified products.
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.

If you find any misplaced or missing pages in the manuals, they will be replaced. If the manual gets lost or soiled, a new copy can be provided for a fee. In either case, please contact your Kikusui agent or distributor. At that time, inform your agent or distributor of the "Part No." written on the front cover of this manual.

Every effort has been made to ensure the accuracy of this manual. However, if you have any questions or find any errors or omissions, please contact your Kikusui agent or distributor.

After you have finished reading this manual, store it so that you can use it for reference at any time.

KIKUSUI ELECTRONICS CORP.

1-1-3 Higashiyamata, Tsuzuki-ku, Yokohama,
224-0023, Japan

Phone: +81-45-482-6353

Facsimile: +81-45-482-6261

www.kikusui.co.jp/en/

