

Transformer lamps are generally used for running indicator lamps on Control Panel at safe voltages.

Using Tranilamp SLIC TU's

- **increases life expectancy of lamps**

Running the lamp at below rated voltage increases the typical running life of a filament lamp from 4000 hours to beyond 16,000 hours. Tranilamp LED clusters have a life typically in excess of 100,000 hours.

- **increases safety**

Lamp voltages are run at very low and safe voltage levels

- **increases flexibility**

Can use with Tranilamp's extensive range of:

- Standard filament lamps.
- LEDM1, 4 or 7 diode cluster lamps in amber, red, green, blue or white.
- Panel housings to suit 19 or 22.5mm panel holes.
- Lenses/Bezels from the JY, F and M ranges in 6 colours.

- **reduces panel assembly time**

Lamp body is easy to fit and clips directly onto the housing.

Standard Specification

Types

TU -Standard Transformer Indicator Lamp Body.

TEU -As TU plus transformer secondary with earth terminal.

Input Voltages

24, 110, 240V standard.

Operating Frequency

50/60 Hz as standard

Surrounding Air Temperature

Maximum 50 deg C when operating.

Lamps

6V, 1.8W tubular filament lamp supplied as standard.

Lamp Caps

BA9s Miniature Bayonet - MBC

Mounting

Mount to panel using JY Series housings and lenses or adaptations (see Data Sheet 100). TU's clip onto the MP or FP housings and can be locked by tightening a locking ring.

Terminations

M3.5 cable clamps with fixed terminal covers to IP20.



TU Indicator Body and Lamp
(Standard without lens/housing)

101

Construction

Transformers are assembled in mouldings. (ABS/Polycarbonate black, flame retardant to UL94V0 non-drip)

Tests

Transformer Lamps conform to BS EN 60947-5-1

All units are CE labelled in conformance with the L.V. Directive.

Weight (Body Only)

TU - 94 g, TEU - 95 g.

Optional Extras

Operating Frequency - 400 Hz.

Input Voltages - 50, 440, 550V and others available on request.

Lamps - 12, 24, 28V tubular filament lamp.

- LED4, 4 X LED cluster lamp in Amber, Green, Red, Blue or White.

- LED7, 7 X LED cluster lamp in Amber, Green, Red, Blue or White.

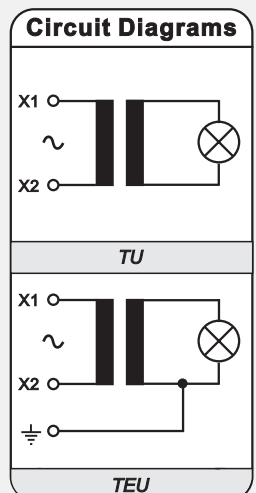
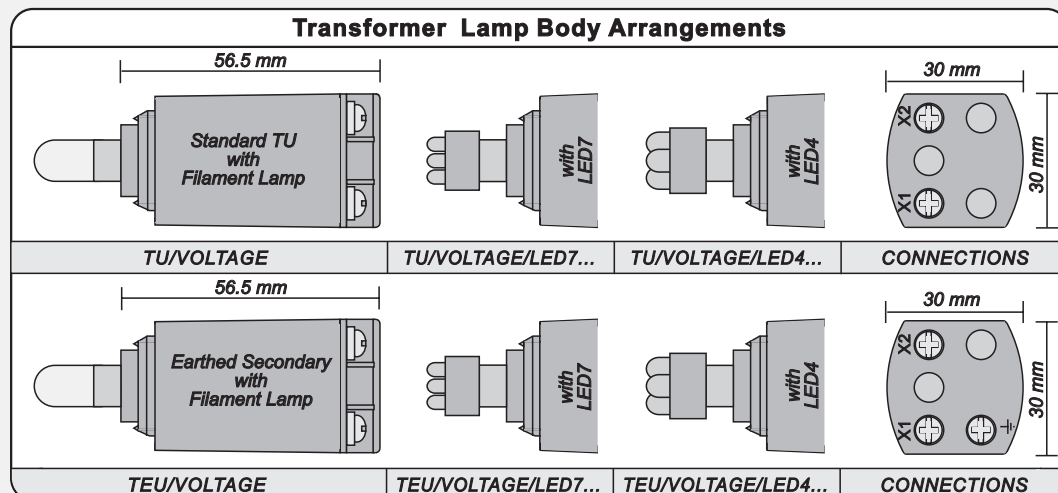
- LEDM1 or LEDM1F (Flashing) single leds in Amber, Green, Red, Blue or White

- LEDM1 or LEDM1F (Flashing) single leds in Amber, Green, Red, Blue or White

- LEDM1 or LEDM1F (Flashing) single leds in Amber, Green, Red, Blue or White

- LEDM1 or LEDM1F (Flashing) single leds in Amber, Green, Red, Blue or White

Lamp Remover (LR1) - suitable for all lamps



**SLIC
TU
TEU**

Transformer Lamp Indicators



Product Data Sheet 101/2 Issue 1

How to derive the correct Product Code

Indicator Body Lamp Product Code

Lens Housing
(see Product Data Sheet 100)

Lens Colour
(if applicable)

**Body / Input / Lamp
Type Volts**

BODY TYPE	Standard Transformer Lamp Body	TU
	Standard Transformer Lamp Body with Earthed Secondary	TEU

INPUT VOLTAGES	Standard Voltages available	24 V	24
		110 V	110
		240 V	240
	Optional Voltages (Others on application)	50 V	50
		440 V	440
		550 V	550

LAMPS (STANDARD VOLTAGES)	Standard Filament Lamp 6 V 1.8W		BLANK
	LED 7 Cluster 4.5 V AC [RED, AMBER, GREEN, BLUE & WHITE]	RED	LED7R 4.5AC MBC
		AMBER	LED7A 4.5AC MBC
		GREEN	LED7G 4.5AC MBC
		BLUE	LED4B 4.5AC MBC
		WHITE	LED4W 4.5AC MBC
	LED4 Cluster 4.5 V AC [RED, AMBER, GREEN, BLUE & WHITE]	RED	LED4R 4.5AC MBC
		AMBER	LED4A 4.5AC MBC
		GREEN	LED4G 4.5AC MBC
		BLUE	LED4B 4.5AC MBC
		WHITE	LED4W 4.5AC MBC
	LEDM1 4.5 V AC single led lamp	RED	LEDM1R 4.5AC MBC
		AMBER	LEDM1A 4.5AC MBC
		GREEN	LEDM1G 4.5AC MBC
		BLUE	LEDM1B 4.5AC MBC
		WHITE	LEDM1W 4.5AC MBC
	LEDM1F 4.5V AC and DC single flashing led lamp	RED	LEDM1FR 4.5 MBC
		AMBER	LEDM1FA 4.5 MBC
		GREEN	LEDM1FG 4.5 MBC
		BLUE	LEDM1FB 4.5 MBC
WHITE		LEDM1FW 4.5 MBC	

OTHER OPTIONS	Non-standard lamp Voltages (Other Voltages can be considered on request)	12V	Use lamp code of Filament or LED to be used (DS 201)
		24V	
		28V	
	400 Hz Operation		Specify 400Hz after Code

ACCESSORIES	Lamp Remover Suitable for removing all types of lamps from SLIC bodies	LR1 (packs of 10)
-------------	---	----------------------

Example 1
Product Code:- TU/24

Standard TU lamp body with
a 6V filament bulb.

Example 2
Product Code:- TU/240/LED7R 4.5AC
MBC

Standard TU lamp body with 4.5V, MBC,
a standard red LED 7 lamp cluster

Example 3
Product Code:- FYB-TEU/110

Transformer Indicator lamp with earthed
secondary and a standard 6V filament
bulb mounted on an FP housing with a
blue BY lens and suitable for a 22.5mm