

Direct Voltage Indicators enable indicator lamps to be connected directly to the Supply Voltage.

Tranilamp LMU's

- offer an economic solution

The low cost way to accommodate most control circuit supplies, both AC and DC.

- increase flexibility

Can use with Tranilamp's extensive range of:
 Filament Lamps
 LED cluster lamps
 Neon lamps
 Panel housings and lenses

Standard Specification

Type

LMU - Standard Direct Indicator Lamp Body.

Input Voltages

Same as and determined by the lamp used. Suitable for AC or DC supplies.

Maximum Voltage: 240 Vac - (neons only)

Surrounding Air Temperature

Maximum 50 deg C when operating.

Lamps

Only supplied as Optional Extra.

Select from the Optional Extra list opposite or from the Lamp List Product Data Sheet 201.

Note: Lamps must not exceed 2W when used with polystyrene lenses.

Lamp Caps

E10 Miniature Edison Screw - MES

Mounting

Mount to panel using JY or H Series housings and lenses (see Data Sheet 200). LMU's screw onto housings.

Terminations

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

Solder tag terminals are available using Tranilamp's Low Voltage LMU/MES/2 described in Product Data Sheet 209.

Construction

Body constructed of ABS/Polycarbonate grey, flame retardant to UL94V0 non-drip.

Tests

LMU's conform to BS EN 60947-5-1.

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

Weight (Body Only)

LMU - 26 g.



LMU Indicator Body and Lamp
(Lens/Housings/Lamps are Optional)

205

Optional Extras

Lamps

Filament Lamps 6, 12, 24, 50, 60 or 130 V AC or DC.

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) lamp in Amber, Green, Red, Blue or White.

(LED's available at 4.5V AC, 24 V AC, 4.5V DC (except Blue and White), 24V DC and 110 V AC).

Neon's and Fluorescent's in orange, green and blue at 110V AC and 240V AC.

See Product Data Sheet 201 for a full list of lamps available.

Lamp Caps

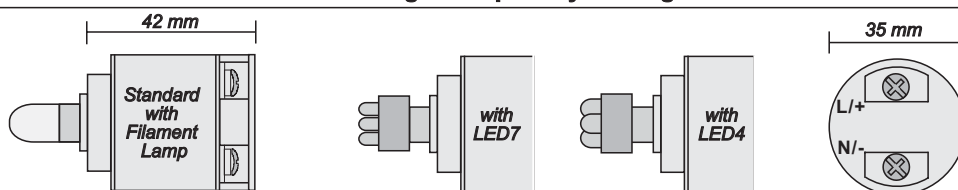
BA9s Miniature Bayonet Cap - MBC

Terminal Protection

Turret or Funnel Shrouds are available to protect terminals to IP65 (see Data Sheet 214).

To find the correct Product Code for ordering, please turn to the reverse side.

LMU Direct Voltage Lamp Body Arrangements



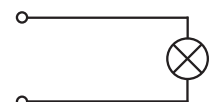
LMU/VOLTAGE/4

LMU/LED7/VOLTAGE/4

LMU/LED4/VOLTAGE/4

CONNECTIONS

Circuit Diagrams



LMU

How to derive the correct Product Code

Indicator Body Lamp Product Code

Lens Housing
(see Product Data Sheet 200)

Body / Lamp / Input / Cap / 4
Type / Type / Volts / Type

Lens Colour
(if applicable)

BODY	Standard Direct Voltage Indicator Lamp Body	LMU
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Lamps are supplied for this product only as an optional extra.
If lamp required, Voltage is specified as Input Voltage. AC or DC may be used.

LAMP	Filament 6, 12, 24, 28, 50, 60, 130 V		BLANK
	LED 7 Cluster 4.5, 24 V AC or DC or 110 V AC No BLUE or WHITE at 4.5V DC	RED	LED7R
		AMBER	LED7A
		GREEN	LED7G
		BLUE	LED7B
		WHITE	LED7W
	LED 4 Cluster 4.5, 24 V AC or DC or 110 V AC No BLUE or WHITE at 4.5V DC	RED	LED4R
		AMBER	LED4A
		GREEN	LED4G
		BLUE	LED4B
		WHITE	LED4W
	LEDM1 single led lamp 4.5V AC, 24V AC or DC, 110V AC	RED	LEDM1R
		AMBER	LEDM1A
		GREEN	LEDM1G
		BLUE	LEDM1B
		WHITE	LEDM1W
	LEDM1F single led flashing lamp 4.5 V AC only	RED	LEDM1FR
		AMBER	LEDM1FA
		GREEN	LEDM1FG
		BLUE	LEDM1FB
WHITE		LEDM1FW	
Neon 110 V AC, 240 V AC or DC	NEON	NB2R	
Fluorescent Lamp 110 V AC, 240 V AC or DC	GREEN	NG2R	
	BLUE	NW2R	

For a full list and description of lamps available see Product Data Sheet 201

INPUT VOLTAGES (identical to lamp voltage)	No Lamp fitted		BLANK
	Filament Lamp suitable AC or DC	6 V	6
		12 V	12
		24 V	24
		28 V	28
		50 V	50
		60 V	60
	LED7 or LED4 Clusters Note: BLUE & WHITE not available at 4.5V DC	130 V	130
		4.5 V AC	4.5AC
		24 V AC	24AC
		110 V AC	110
	Neon and Fluorescent Lamps suitable for AC or DC	4.5 V DC	4.5DC
24 V DC		24DC	
110		110	
	240	240	

LAMP CAPS	Standard Mini-Screw - MES (with lamp fitted)	BLANK
	Standard Mini-Screw - MES (no lamp fitted)	MES
	Optional Mini-Bayonet - MBC	MBC

TERMINATIONS	Standard 3.5mm captive cable clamp with cover. (Solder tag terminals available on Low Voltage Body only See Product Data Sheet 209)	4
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OTHER OPTIONS	IP65 Protection - Funnel or Turret Shrouds protect Body Terminals	Specify after Code (see Data Sheet 214)
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**Example 1
Product Code:-
LMU/LED4A/24AC/MBC/4**

is a Standard LMU Direct Voltage Indicator Lamp body, amber LED 4 lamp cluster with MBC cap and standard screw terminals. Input: 24V AC.

**Example 2
Product Code:-
MHA/LMU/MES/4 White**

is a Standard Direct Voltage LMU Indicator lamp body with no lamp supplied, but fitted with MES lamp holder and standard screw terminals mounted on an MH housing with a white MA lens. Input: Unspecified.