

Multi-Lamp Test Indicators enable groups of indicator lamps to be tested from a single pushbutton switch without interrupting normal operation.

### Tranilamp SLIC DTU's

- offer an economic solution

Use of a simple diode blocking technique makes this multi-test indicator particularly suitable for dc control circuits at low cost.

- increase flexibility

Can use with Tranilamp's extensive range of:

- Filament Lamps
- LED4 or 7 cluster lamps in amber, green, red, blue or white
- JY Series panel housings or adaptations to suit 19 or 22.5mm panel holes.

- reduces panel assembly time

Lamp body easy to fit clipping directly onto housing.

### Standard Specification

#### Type

DTU - Standard SLIC Multi-Test Low Voltage Indicator Lamp Body.

#### Input Voltages

6, 12, 24, 28, 50 or 60 V DC supplies.

AC voltages may be used with filament lamps, but with reduced lamp brightness.

#### Test Mode Current Ratings

As Operating Mode i.e. Lamp rating.

#### Surrounding Air Temperature

Maximum 50 deg C when operating.

#### Lamps

Supplied as Optional Extras. For LED's, use only DC.

Lamp voltage must always be the same as input volts.

#### Lamp Caps

BA9s Miniature Bayonet only - MBC

#### Mounting

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

#### Terminations

M3.5 cable clamps with fixed terminal covers to IP20

#### Construction

ABS/Polycarbonate black, flame retardant to UL94V0 non-drip.

#### Tests

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

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

#### Weight (Body Only)

16 g

### Optional Extras

#### Lamps

Filament Lamps up to 60 V

LED4 - 4 x LED cluster lamp in Amber, Green, Red, Blue or White. **Must use DC up to 24 V**

LED7 - 7 x LED cluster lamp in Amber, Green, Red, Blue or White. **Must use DC up to 24 V**

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

LEDM1 single led lamp in Amber, Green, Red, Blue or White.

**Must use DC up to 24V**

LEDM1F single led flashing lamp in Amber, Green, Red, Blue or White. **Must use DC up to 24V**

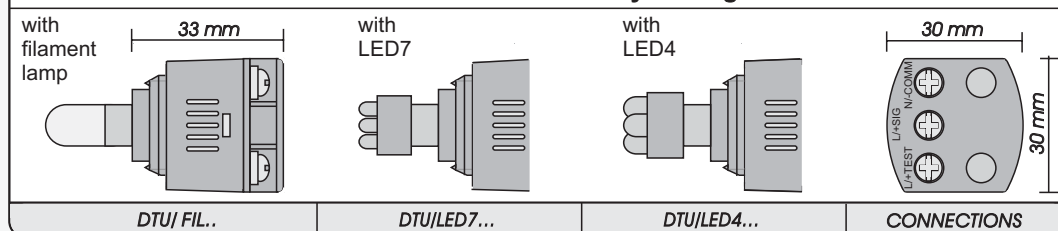
**Lamp Remover (LR1)** - suitable for all lamps.



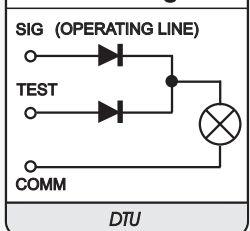
DTU Indicator Body (Lens/Housings/Lamps are Optional)

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### DTU Multi-Test Indicator Body Arrangements



### Circuit Diagram



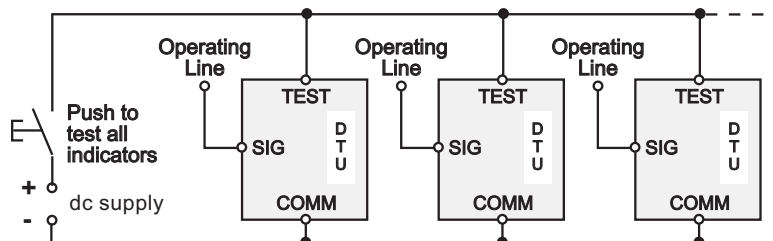
### DTU Multi-Test Circuit Connection

DTU's incorporate blocking diodes to enable a group of units to be tested from one Test Pushbutton without interrupting normal operation.

The Control Circuit will usually be DC, but AC can be used with filament lamps only, which will operate at reduced brightness.

Please advise us if battery backup services are fitted to the supply.

LED cluster lamps can **only** be used with DC supplies.



**SLIC  
DTU**

# Multi-Lamp Test Indicator Lamps



Product Data Sheet 103/2 Issue 1

## How to derive the correct Product Code

### Indicator Body Lamp Product Code



<b>BODY TYPE</b>	Standard <b>SLIC</b> Low Voltage Multi-Test Indicator Lamp Body	<b>DTU</b>
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**LAMPS are supplied for the DTU only as an optional extra.**  
The lamp voltage is always the same as the input voltage.  
When ordering the lamps fitted to the DTU body, then the full lamp product code should be used, including the voltage, ac or dc and MBC. (See Data Sheet 201)  
Voltages, other than those listed can be considered on request.

No Lamp fitted	Lamp Product Code BLANK
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<b>FILAMENT LAMPS</b>  (Voltage identical to supply voltage) DC supply preferred. If AC supply used, the lamp operates at reduced brightness.	<b>Filament Lamp</b>	<b>FIL</b>
	<b>Lamp Voltage (Also supply voltage)</b>	6V 12V 24V 28V 50V 60V
	<b>Lamp Cap - must be Miniature Bayonet</b>	<b>MBC</b>

<b>LED CLUSTERS</b>	LED Cluster - 7 diodes	<b>LED7</b>
	LED Cluster - 4 diodes	<b>LED4</b>
	LED Single diode lamp	<b>LEDM1</b>
	LED Single diode flashing lamp at 2 Hz	<b>LEDM1F</b>
	<b>Colours</b>	Red <b>R</b> Amber <b>A</b> Green <b>G</b> Blue <b>B</b> White <b>W</b>
	<b>Lamp Voltage (must be supply voltage)</b>	4.5V DC* <b>4.5DC</b> 24V DC <b>24DC</b>
	* Blue and White are not available at 4.5Vdc	
	<b>Lamp Cap - must be Miniature Bayonet</b>	<b>MBC</b>

<b>ACCESSORIES</b>	Lamp Remover suitable for removing all types of lamps from <b>SLIC</b> bodies	<b>LR1</b> (packs of 10)
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**Example 1**  
Product Code:- **DTU/LED7A 24DC MBC**

is a Standard **SLIC** DTU Multi-Test Indicator Lamp body, amber LED 7 lamp cluster with MBC cap and standard screw terminals.  
Input: 24V DC.

**Example 2**  
Product Code:- **FKYB-DTU**

is a Standard **SLIC** DTU Multi-Test Indicator lamp with no lamp supplied mounted on an FP housing with a blue BKY lens with black bezel.  
Input: Unspecified.