



# Transformer Switching Unit (LED)

Compliant to Latest  
International Standards\*

- ▶ EMC EN6100-6-4:2007 & EN55011:2007 +A1:2007
- ▶ CE marked

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## Applications

For the switching of individual AGL fixtures

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\* As applicable to the application

# Transformer Switching Unit

## Applications

The atg airports range of Transformer Switching Units (TSU) for LED fittings are solid state electronic switches, designed to switch individual AGL fittings and shunt the secondary winding of the series isolating transformer.

TSU/S/200/OFF/1 - "FAIL OFF" type Single TSU's shunt and turn off the lamp when no control signal is present. These are suitable for lead-on lights.

TSU/S/200/ON/1 - "FAIL ON" type Single TSU's shunt and turn off the lamp on application of the control signal. These are generally used for stop bars.

This is only a guideline for usage since the correct application depends on local circumstances and must be determined by the customer.



## Features

- ▶ Solid state electronics improve the life expectancy of the unit.
- ▶ High efficiency - low power drain from series circuit
- ▶ Individual switching of lamps powered from same source
- ▶ Galvanic isolation of the signal input and power switching circuits
- ▶ Fully encapsulated in chemically resistant potting compound improves reliability of the unit by protecting against acids, alkalis, oil and mishandling.
- ▶ H07RN flexible power and control cables with heavy duty OFR (Oil resisting Flame Retardant) outer sheath.
- ▶ Operating temperature -20°C to +55°C. Relative humidity 0-100%.
- ▶ Protection to IP68
- ▶ Switching power up to 85W
- ▶ Power consumption – maximum 3W

## Electrical Supply

- ▶ AC Switched Circuit: 2.8 – 6.6A RMS continuous
- ▶ Signal Switching Circuit - controlled by a nominal 24 to 50V AC/DC control signal to switch the lamp (operating range 16 to 60V)
- ▶ Power consumption – maximum 3W

## Connections

- ▶ Control Cable – 2 off 2 core 2.5mm<sup>2</sup> cables which are connected in parallel within the switching unit. Length: 500mm, Maximum OD: 13mm. The cables are not fitted with plugs or sockets, and require terminating.
- ▶ Power Input Cable - moulded 2 pin plug (male) and coloured function label – Blue for fail to OFF, Red for fail to ON.
- ▶ Power Output Cable – moulded 2 pin socket (female)

## Environmental Conditions

- ▶ Ambient Temperature -20 °C to +55°C (-4 °F to +131°F)
- ▶ Storage Temperature -55°C to +55°C (-4 °F to +131°F)
- ▶ Atmospheric Altitude up to 10,000 feet (3000m)

## Ordering Codes:

- 'FAIL OFF'      **SLC043101**
- 'FAIL ON'        **SLC043102**

## Weights & Dimentions:

- ▶ 1.1kg
- ▶ 155mm x 60mm with 0.5 metres of cable



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