

Dual Switching Unit (DSU)



The ALS DSU is available in either Fail-On/ Fail-Off, Fail-Off/ Fail-Off or Fail-On/ Fail-On versions. The maximum lamp wattage is 100 watts. This allows independent switching of bi directional fittings.

Specification:

- Switching signal voltages 12V to 72V DC - **Half-wave control signals must not be used**
- Switching signal current 2 mA at 48V DC
- Switching signal to transformer secondary isolation voltage of 2500V AC
- DSU Control signal cables 3 core, 2.5mm²
- Current to the lamps is ramped up and down more slowly than the regulator changes its firing angle (150ms)
- Maximum rms voltage of 33V when open circuit

Compliance:

All ALS DSUs meet the following industry standards:

- BS EN 61823
- FAA specification AC 150/5345-47
- ICAO Design Manual, Part 5, Electrical Systems

Features:

- Encapsulated in a homogenous high quality polyurethane resin
- Uses 31% less energy than other switching devices when the lamps are suppressed
- Current ramping as standard, gives longer lamp life
- Interchangeable with any other manufacturers' lamp suppression unit
- Available in
 - Fail-On/Fail-Off version
 - Fail-On/Fail-On version
 - Fail-Off/Fail-Off version
- 12hr minimum water testing prior to despatch
- Ambient temperature range -20°C to +55°C
- Resistant to acid and alkaline soils, oils, fuels and de-icing fluids
- Materials used are also termite and rodent proof
- IP rating equivalent to IP68

Applications:

- Military or civil airport constant current circuits.
- Lead on/ off lights
- Inset Wig Wag systems

Options:

- 3 pin plug and socket control leads

| AGLST Compatibility | Size | Weight |
|------------------------|--------------------------------|--------|
| 30 – 100 Watts | L: 90mm W: 80mm H: 135mm | 1.3kg |