

PELANGI

Dual Lantern Monitor Board

PA2835 Series

Combined photocell switch, dual lantern monitor board and junction box for jetty and bridge applications.



PA2835 Mk 1, and weatherproof junction box

- Both normally open and normally closed contacts provided as standard.
- Mk 2 version now available with 2nd Relay to give an additional Lantern On/Off indication if desired.
- Built in Software memory remembers previous lamp night current in Day time to provide local LED status display.
- IP66 polycarbonate junction box with clear lid to enable local viewing of LED lantern status indicator.
- On board calibration adjustment can be used if factory setting needs adjusting to balance trip levels with other lights at the same site, or to offset floodlight pollution.



PA2835 Mk 2 Board with second (light status) Relay

The PA2835 has specifically been designed to control and monitor 2 LED or Filament Lanterns on fixed or flashing character.

- Red LED indicates 'system OK' when lit. If mounted at base of column, the PA2835 removes the need to gain access to the lantern to check its operational status. Similar situation can apply when lanterns are out of sight on seaward wall or on bridge parapet.
- Individual monitor contacts for each lantern are rated at 50 volts to permit direct connection to **Network Rail track systems**.
- Ideal for use with filament or LED lanterns such as our PL83, PL125, PL155 and PL300 lanterns with automatic PA6 lampchanger or LED arrays. No other interfaces are required as the **PA2835** can be used as a junction box. Lantern load to be specified at time of order.
- Built-in photocell provides single or synchronised switching of lantern pair with adequate hysteresis built into the software. An external PE cell can also be used as option.
- Built in timer delay in monitoring circuit also means unit can be used to monitor a pair of flashing lights at end of Jetty, or lights equipped with GPS synchronisation.

TECHNICAL SPECIFICATION (Mk 1 version)

Weight	: 250 grams
4 x 4mm Fitting Centres	: 110mm x 90mm
Overall dimensions	: 122mm x 120mm
Height	: 55mm
Max lamp current	: 5 amps per lamp
Voltage Output voltage	: 12 of 24 V DC
Switching Light levels	: 50 Lux and 100 Lux



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