

LED Radiation Status Indicator Panel



THREE STAGE LED RADIATION STATUS INDICATOR PANEL

APPLICATIONS

This low power maintenance free 3 stage status panel is designed for use as a status indicator in radiographic exposure bays and on cabinets as required by the Ionising Radiation Regulations 1999.

FEATURES

- Illuminated by Cree long life LEDs fitted to custom metal cored PCBs.
- Optional multi-tone siren with volume control operated by pre-warning signal.
- Panel will automatically generate its own "Standby" signal. Removing the option link allows external control of the standby section.
- Section legend plates are made from 3mm Acrylic sheet with legend and background colour mounted on rear for added durability.
- On board open circuit led test switch Short circuit LED tested via test input.
- 24VDC version is primarily designed for use with new interlock systems
- 240VAC version is primarily designed for use in upgrading existing interlock systems.

SPECIFICATION

Power supply:

24VDC 1VDC @ 400mA

Input signals:

On: 24VDC \pm 1VDC. **Off:** Open circuit.
Exposure on signal operates top section
Pre-warning signal operates middle section (+siren)

(Optional)

Standby signal operates the bottom section providing the option link has been removed. Otherwise the unit will generate its own Standby signal in the absence of Pre-warning and Exposure on signals. Test signal will cause all 3 sections to light and siren (if fitted) and the output relay to switch off.

Outputs:

2 x single pole changeover contacts rated 240VAC 6A. Relay operates on power up and switches off on LED panel fail, application of external Test signal or operation of interface test switch.

Legends:

Top section: "X-RAYS ON" black letters on red background
Middle section: "X-RAYS IMMINENT" black letters on amber background
Bottom section: "STANDBY" black letters on green background
Standard option RADIATION in place of X-RAYS other wording / background colours by arrangement

Safety:

Monitored for failure in accordance with IRR 99

Size:

Length - 31cm, Width - 280cm, Depth - 8cm (excluding Lugs)

Case:

Case is manufactured from 1.5mm mild steel powder coated white. Case incorporates 4 mounting lugs and 20mm conduit hole on left hand side bottom.

BESPOKE

Panels and full interlock systems can be supplied to customer specifications and current legislation