

## ML2000 Series – Moulded

Part of the Medilec Range is the ML2000 Series of Moulded Hospital Electrical Accessories. The ML2000 Series products are based on the famous Clipsal 2000 Series System but they have been specially developed with additional features to suit the specialised requirements for hospital patient treatment areas.

The ML2000 Series products combined with the extensive range of Clipsal 2000 electrical accessories, OEM 2000 series Nurse Call Points and Gas Outlets, and Clipsal 1 – 4 gang 2000 Series surrounds and mounting boxes/brackets produce a very economical and modular Medical Service Panel System that not only is quick and easy to produce but also looks attractive.

### Medical Service Panels (MSP's)



The flush mounted MSP's shall be the Clipsal ML2000 Series Flush Mount Moulded system and shall comprise of common Medilec ML2000 and Clipsal 2000 Series size modular low voltage, extra low voltage, and gas accessories incorporated into a 1 to 4 gang (vertical) or 1 to 3 gang (horizontal) moulded polycarbonate surround.

The surround shall clip onto the accessories removing the need for exposed screws.

All accessories within the MSP shall be common Medilec ML2000 and Clipsal 2000 Series size (excluding the Line Isolation and Overload Monitor and Equipotential Junction, which shall be a stand-alone items). The front face of each accessory that protrudes through the surround shall be 76mm high x 58mm wide.

### Residual Current Devices (RCD's)



The RCD's shall be the Clipsal ML2000 Series catalogue no. ML2031RC10 Series and shall comprise of 10mA RCD protection, amber load power available indication, red line powder available indication, and an in built test facility.

The front face of the RCD that protrudes through the surround shall be 76mm high x 58mm wide.

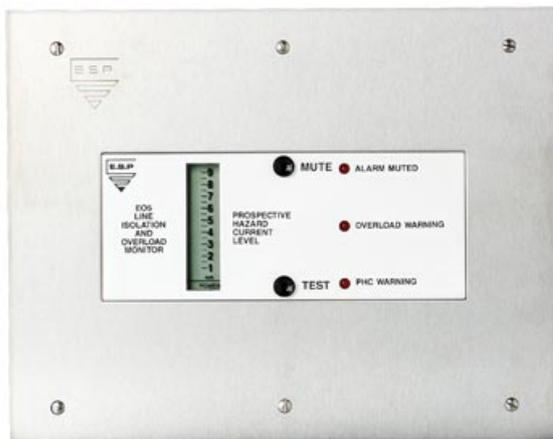
### Audible Alarms



Each RCD shall have an Audible Alarm to highlight that the RCD has tripped. The Audible Alarms shall be the Clipsal ML2000 Series catalogue no. ML2031E08 Series and shall comprise of a mutable two tone audible alarm, flashing red visual alarm, and mute push button labelled “press to mute”

The front face of the Audible Alarm that protrudes through the surround shall be 76mm high x 58mm wide.

### Line Isolation & Overload Monitors (LIOM) & Isolation Transformers



The Line Isolation and Overload Monitors (LIOM's) shall be the Clipsal ESP Series catalogue no. E05 and shall comprise of an 18 segment Prospective Hazard Current (PHC) LCD Bargraph display, mutable two tone audible alarm activated at 5mA PHC and 15A/20A overload current, alarm muted – overload warning – PHC warning amber indicators, and in built test facility.

The LIOM shall be a stand-alone item with an overall facia size of 220mm high x 275mm wide.

### Equipotential Junctions



The Equipotential Junctions shall be the ESP Series catalogue no. E34 or E35 and shall comprise of a fully insulated green screw clamp terminal with a terminal head size of 26mm in diameter labelled “EQUIPOTENTIAL JUNCTION” and a buss bar with line tap (E34 – 5 x 5mm tunnels, E35 – 10 x 5mm tunnels & 4 x 8mm tunnels).

The Equipotential Junction shall be a stand alone item with an overall facia size of 220mm high x 175mm wide (E34) or 220mm high x 275mm wide (E35).

### GPO's



The first GPO's in a group of GPO's shall be Clipsal Integrated Systems ML2000 Series and the remaining GPO's shall be Clipsal 2000 Series.

### Clipsal 2000 Series GPO's



The RCD Protected GPO shall incorporate single pole switching. The Isolating Transformer Protected GPO shall incorporate double pole switching.

The front face of the GPO's that protrudes through the surround shall be 76mm high x 58mm wide.

### Equipotential Earth Terminals



The Equipotential Earth Terminals shall be the Clipsal ML2031/2R0 Series and shall comprise of a fully insulated green screw clamp terminal with a terminal head size of 26mm in diameter.

The front face of the Equipotential Earth Terminal that protrudes through the surround shall be 76mm high x 58mm wide.