

ML2164 – Flush Metal Plate

Medical Service Panels (MSP's)



The flush mounted MSP's shall be the Clipsal ML2164 Series flush mounted 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 flush mount metal plate MSP.

The MSP shall comprise of a zinc annealed mild steel recessed 1 to 4 gang wall box with adjustable facia height adjusters to allow for easy installation. The overall size of the recessed wall box shall be 125mm high x 65mm deep (adjustable to 95mm deep) and range in widths of 104mm, 176mm, 248mm, and 320mm. The wall boxes shall be modular in construction to allow them to be joined together to produce longer MSP's when required.

The facia shall be fixed to the recessed wall box, via a mounting grid, with countersunk raised head slotted screws. The overall height of the facia shall be 150mm. The facias shall be finished in a powder coated or brushed stainless steel finish.

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

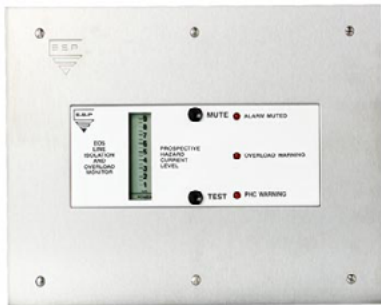
Audible Alarms



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 fascia shall be 76mm high x 58mm wide.

Line Isolation and Overload Monitors (LIOM)



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 fascia size of 220mm high x 275mm wide.

Isolation Transformers



The Isolation Transformer shall be the Clipsal ESP Series catalogue no. E14 and shall comprise of an isolation transformer encapsulated within a steel enclosure with heat cured epoxy resin.

The overall size of the Isolation Transformers shall be 210mm high x 270mm wide x 280mm deep (15A version) and 290mm high x 270mm wide x 280mm deep (20A version).

Equipotential Junctions



The Equipotential Junctions shall be the Clipsal ML2164 Series catalogue no. ML2164E35 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 (10 x 5mm tunnels & 4 x 8mm tunnels).

GPO's



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

ML2000 Series GPO's



The GPO shall be labelled with the type of electrical protection provided ie. RCD PROTECTED or ISOLATING TRANSFORMER PROTECTED. The RCD Protected GPO shall incorporate an amber power available neon labelled "POWER AVAILABLE" and single pole switching. The Isolating Transformer Protected GPO shall incorporate double pole switching.

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 fascia 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 fascia shall be 76mm high x 58mm wide.