

ML2165 Ultra Plus Series – Plaster Mount Metal Plate

Medical Service Panels (MSP's)



The plaster mounted MSP's shall be the Clipsal ML2165 Series plaster 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 plaster mount metal plate MSP.

The MSP wall box shall have cable entry knock outs for each component and incorporate attached fixing brackets both top and bottom for the entire length of the wall box. The overall size of the recessed wall box shall be 148mm high x 55mm deep. MSP wall box and fascia plate will not exceed 2.3m length, and shall incorporate adequate removable segregation from other services as per AS3003 requirements.

The fascia shall be fixed to the recessed wall box, via a mounting grid, with countersunk raised head slotted screws. Earthing provisions must be provided on fascia, grid and wall box. The overall height of the fascia shall be 187mm. The facias shall be finished in a powder coated or 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 ELV or LV accessory that protrudes through the fascia shall be 76mm high x 58mm wide and 72mm centres between services, all gas services shall be 144mm between each gas valve and 100mm+ between gas valve and ELV, LV services

Residual Current Devices (RCD's)



The RCD's shall be the Clipsal Integrated Systems 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 fascia shall be 76mm high x 58mm wide.

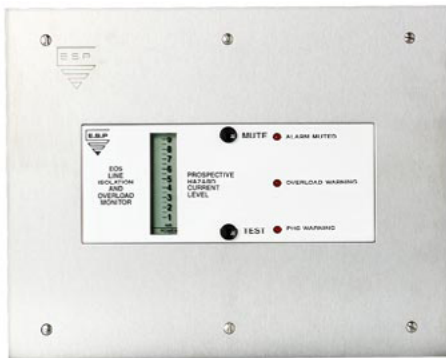
Audible Alarms



Each RCD shall have an Audible Alarm to highlight that the RCD has tripped. The Audible Alarms shall be the Clipsal Integrated Systems 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 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 ML2165 Series catalogue no. ML2165SS-EPJ 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.

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.

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 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.