

SP2000 Meter and Enclosure (120 Amp)

Introduction

The new SP2000 is the latest design in our slim line metal enclosures and comes complete with the P2000-D meter (10-120 amps) fitted inside. The new enclosure has been designed with the electrical contractors in mind making it aesthetically pleasing and easy to install.

The new slimmer and more versatile enclosure is manufactured in 1.2mm steel and is powder-coated in cream semi gloss (Ral 9001) to give strong, robust and aesthetically pleasing appearance. The enclosure has a removal bottom plate enabling simple installation either with cable entry or when installing the enclosure on top of trunking.

The enclosure has been specifically designed to meet all requirements for the end customer.

1. Clarity of reading the display and easy operation using the scrolling keys for required extra information.
2. Neat and tidy installation, all cables hidden and mechanically protected.

Installing the Enclosure

First examine the area where you intend to install the enclosure making sure the wall is firm and that if it is a partition wall no pipes or cables are running inside which could be damaged by your installation.

The metal enclosure has been designed to make installation as simple and as easy as possible with a removable bottom plate which is positioned at the bottom of the enclosure.

Loosen the two screws on the front of the enclosure cover and open the door, hold the enclosure up against the wall and mark the four fixing points on the wall. Secure the enclosure to the wall.

Remove the terminal cover on the meter and loosen all the screws, there are two screws per terminal fully loosen and push inwards to ensure the clamps are fully down. Now take the cable into the box and strip the insulation from the end making sure you have stripped back enough insulation so both clamps make contact with the bare conductor and that the outer cable insulation is fully up to the meter terminal. Check the wiring diagram and connect all cables ensuring that all screws are screwed up tight on the copper conductor.

Earthing the Enclosure

The enclosure must be earthed in accordance to the latest edition of the electricity regulations concerning steel enclosures. The Earth connection is positioned next to the green earth label normally on the side of the case, you can how ever create your own Earth position by drilling the box and securing a new connection point.

When connecting the earth wire, form the cable and leave a generous length so the cable is not pulling on the terminal.

When you have completed the installation it is important that you do the necessary electrical tests to ensure the installation is correct and complies fully to the latest electricity regulations concerning installation of electricity meters in metal enclosures.

It is essential that the steel enclosure is correctly Earthed in accordance to the latest edition of the Electricity Regulations.

DO NOT MEGGA TEST THE VOLTAGE OR CURRENT CIRCUITS WITH THE METER CONNECTED



Depth 90mm. All dimensions in mm

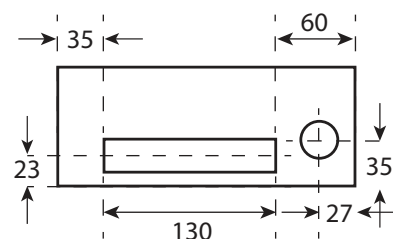


Diagram showing dimensions of cut out for cable entry