

CAVITY FLOOR SERVICE BOXES INSTALLATION INSTRUCTIONS

- 1) Floor Service boxes and accessories must be installed by a competent electrical contractor in accordance with the current edition of BS7671 (IEE Wiring Regulations).
- 2) Prior to making electrical connections a floor panel should be cut out with an aperture size of 327 x 232mm for the floor box to be fitted in.
- 3) Fit the Floor Box into the aperture and secure into place using the centre screws on the left and right hand side of the box.
- 4) Connect the cables to the relevant wiring accessories in accordance with BS7671 and the manufacturers installation instructions.
- 5) Ensure all compartment dividers and outlet plates necessary to achieve IP2X are fitted to the Floor box before making any connection to the power supply.

Note: For further dimensions and part numbers, please see the reverse of this document.



CAVITY FLOOR SERVICE BOXES



The Univolt Cavity Floor Service Box offers a flexible solution which meets the requirements of today's market. The standard 3 compartment box has the facility to be converted to a 4 compartment box without the need for any special tooling, by simply repositioning the 2 interchangeable steel dividers and adding the spare diivider provided.

The basic Cavity Floor box is manufactured from pre galvanised sheet steel in accordance with BS EN10142 and comes complete with 2 Quick Lock fixings which enable a safe and speedy installation by clamping the base unit to the underside of the floor tile. The basic box has 20 mm and 25 mm knockouts punched into each compartment for flexible conduit connection, 3 pieces of slot in metal divider and a brass earth terminal in the outer power compartment.

The Cavity Floor Box frame is manufactured from flame retardant light grey ABS Plastic which gives a durable high impact finish. The frame comes complete with 2 cable guides which ensures that the cables are guided through the grommets in the hinged trap.

The Cavity Floor Box hinged trap is also manufactured from flame retardant light grey ABS Plastic which is reinforced with a 3 mm thick pre galvanised steel infill plate. The hinged trap can only be opened to maximum of 85 degrees which ensures that the trap can never be left in the open position. The hinged trap allows for a 6 mm finished floor recess and is complete with 2 hinged cable outlet grommets and a stainless steel lifting handle. The cable outlet grommets can be locked flush when the box is not in use or locked in the upright position to protect the cables when the box is in use. Sponge inserts protect the cables when in use and also prevent the ingress of dust.

A range of steel outlet plates suitable for power, voice and data are available from stock with non standard outlet plates and clean earth power plates available on request. All plates are supplied with an epoxy powder coated finish and ready to accept the appropriate wiring accessory (sold separately).



CAVITY FLOOR SERVICE BOXES

Technical Specification

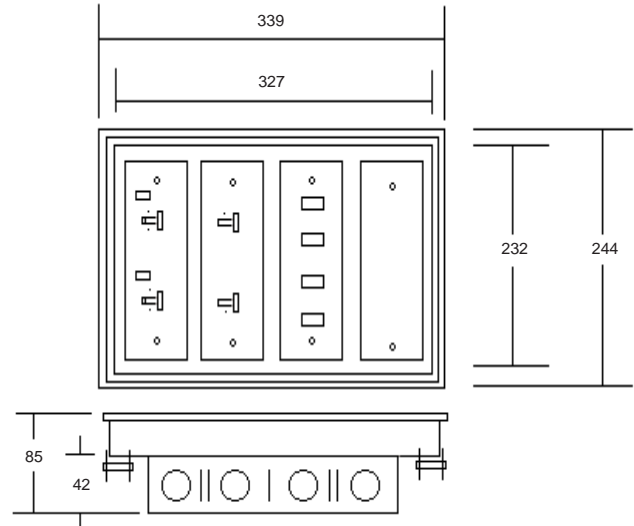
The overall dimensions of the 3 and 4 compartment Univolt Cavity Floor Service Box are width 339mm x depth 244mm x height 85mm. The recommended aperture size for cutting the floor panel is 327mm x 232mm.

Both 3 and 4 compartment options consist of three main components.

Galvanised Basic Cavity Back Box

ABS Frame and Hinged Trap c/w Galvanised Infill

Powder Coated Steel Service Outlet Plates

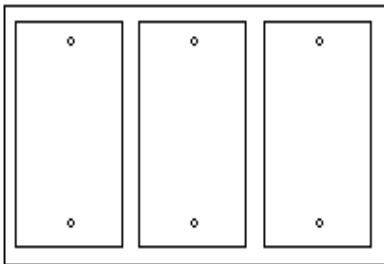


Knockouts: 4 x 25mm and 4 x 20mm Ø per box

Ordering Information / Product Codes

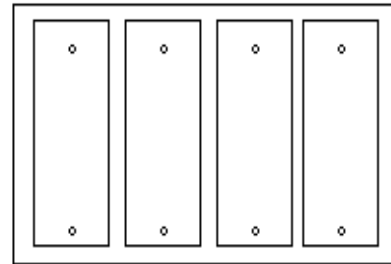
3 or 4 compartment Floor Box Reference No: CMS3/4

3 Compartments - 3 x 97mm wide



CSM3/4

4 Compartments - 4 x 72.5mm wide

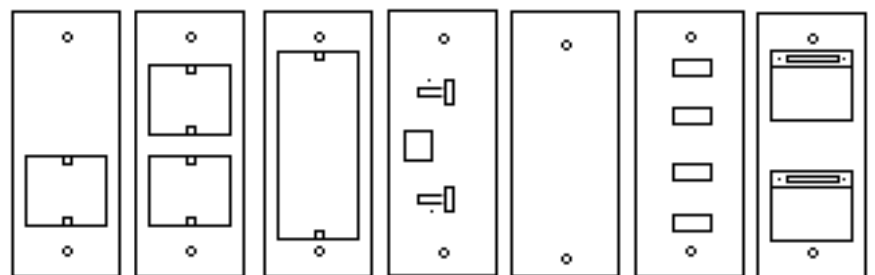


CSM3/4

Outlet Plates

3 Compartment	Description
Reference No.	
SOR1	1 x 1G BS4662 (60.3)
SOR2	2 x 1G BS4662 (60.3)
SOR3	1 x 2G BS4662 (120.6)
SOR4	2G Switched Panel Mtg
SOR5	Blank
SOR6	4 No RJ45 (37x25mm)
SOR7	2 x RS232 Connectors

4 Compartment	Description
Reference No.	
SOV1	2G Switched Panel Mtg
SOV2	Blank
SOV3	4 No RJ45 (37x22mm)



SOR1

SOR2

SOR3

SOR4

SOR5

SOR6

SOR7

SOV1

SOV2

SOV3

SOV4