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## Raised Floor Outlet Box



*Cable Management*

## Floor Outlet Boxes

The MK™ floor outlet boxes (part no. 91506 GRY or 91507 GRY) have been designed for a wide range of applications providing a flexible and durable solution to floor box requirements. The floorbox has been engineered for easier and faster installation, **maximum life span flexibility**, and offers a host of new features and options.

The floor outlet box incorporates the facility for cable exit on one side by means of cable outlets (cord caps). The service box is fully segregated with independent accessory plates to each compartment. 3-compartment (part no. 91506 GRY) or 4-compartment (part no. 91507 GRY) for selection.

The robust frame and lid assembly has been designed for quick-fit installation. The one-piece moulded frame is secured by **hand-operated ratchet bars** (heavy-duty latches) which do not require screws or tools for fixing it into the base box. The base box is made from non-combustible galvanised steel.

The hinged lid consists of a steel load-plate, made from 3mm thick galvanised steel, inserted in the frame trim and fixed in position. The frame and lid assembly can hold the floor tiles or carpet edges firmly in place. Mounting frame and base box are manufactured from 1.5mm thick galvanised sheet steel to **BS 4678 Class 3 protection**.

Cables retainers are equipped within the service box for assisting in the routing of incoming cables through the cord caps and reduce the risk of damage to the cables.

The frame and lid assembly has been designed for fast and easy removal. The **unique ratchet mechanism** provides quick and efficient installation and removal without the need for tools. Providing extra flexibility, the lid can be reversed through 180° without use of tools to change the direction of the cable outlets. This allows cables to be led from dual direction.

The overall depths and internal dimensions of the base box can be specially made to cater for a range of floor voids and to allow for varying plug top clearances.

The frame and lid assembly complies with **EN 60695** fire hazard testing requirements for electro-technical products.

Cable outlets (grommets) are made from hard-wearing grey polyamide.

The plastic lid assembly is designed to be of plastic construction and therefore no need to add earth braids or tapes to the lid cover.

Accommodating a wide range of interchangeable mounting plates and accessories, the service box can be configured to suit individual requirements.

The lid incorporates a thick steel load-plate which is able to withstand **1.5kN per m<sup>2</sup> and 4.0kN point load test** without visible deformation.

Knockouts accepting 8 x Ø25mm flexible conduits are pre-punched along the sides of the base box.

To eliminate the risk of severing and for ultimate user safety, the floor outlet box is designed and constructed without sharp edges.

A wide range of panel-mounting switched **BS1363 13A sockets** (complying **BS7671: 2001, Section 607**) are available for selection.

The floorbox covers are suitable for accommodating laminate floor tile or carpet on top. The cover is designed to be self-adjusting to any normal floor finish thickness.

## Standard and Approvals

The trunking system complies to the relevant specification, i.e. BS4678, SS249 and IEC61084. The electrical accessories comply with the relevant requirements of BS1363, BS5733, SS145 and SS241. If required, Declaration of Compliance according to IEC/ISO Guide 22 can be provided.

In addition, MK floor outlet boxes comply to a stringent load test requirement.

## Technical Specification

### Materials:

ABS, Polyamide and Galvanised Steel.

### Strength:

The floor outlet boxes are capable of resisting minor accidental loading only when rigidly supported under the outer rim of the cover frame. They are not intended for use in areas subject to access floor design loads. Specific details are available on request.

### Fire:

The outer casing of the floor outlet box is manufactured from metal and is non-combustible.

### Chemical resistance:

Non-corrosive

### Water absorption:

The floor outlet boxes are for use in situations where the cleaning method used does not result in the formation of pools of liquid or soaking of the floor surface.

### Degree of protection:

Enclosure classification IP20, when installed in accordance with the instructions set out in the Installation Guide.

### Ambient temperature range:

	<i>Min</i>	<i>Max</i>
<b>Handling and storage</b>	<b>-5°C</b>	<b>60°C</b>
<b>During installation</b>	<b>-5°C</b>	<b>60°C</b>
<b>Operating</b>	<b>-5°C</b>	<b>40°C</b>

*(Average not to exceed 35°C in any 24 hour period)*

## Installation

The Floor Outlet Boxes are designed to be located within the depth of the access floor. Whilst the number and location of the boxes will depend on the user's requirements, as general guide, the minimum recommended distribution is one floor box for every 10m<sup>2</sup> of floor box per 4m<sup>2</sup> being the likely maximum. These figures are approximately equivalent to boxes sited on a two dimensional grid of 3000mm and 2000mm respectively.

Normally it is desirable not to have an outlet further than 1600mm from the equipment being served. However this can be extended in cases where the outlet box is used to feed desk or screen mounted power supply with integral outlets.

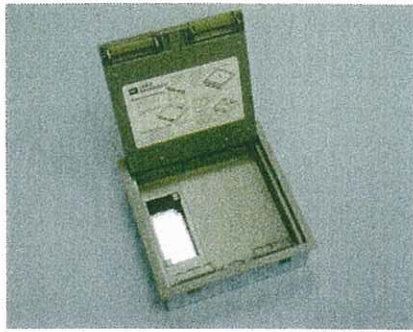
All floor outlet boxes must be completely fitted out with made up modules prior to use.

In the user's requirements are precisely known, this will not present any problem. However, floor boxes are interchangeable and can be easily and quickly relocated to serve particular items of equipment. This is done by unplugging a box and then relocating box and floor panel complete.

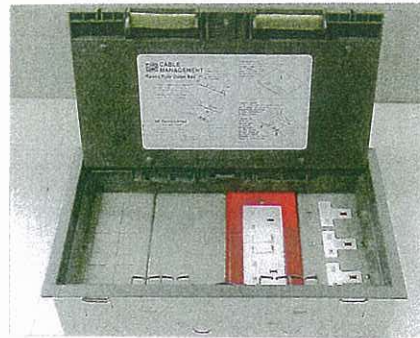
### Selection Table For List No.

<i>List No.</i>	<i>Colour</i>	
<b>91506GRY</b>	<b>Grey</b>	<b>3 compartment Floor outlets Box.</b>
<b>91507GRY</b>	<b>Grey</b>	<b>4 compartment Floor outlets Box.</b>

# Floor Outlet Boxes Accessories Plates



91506 GRY



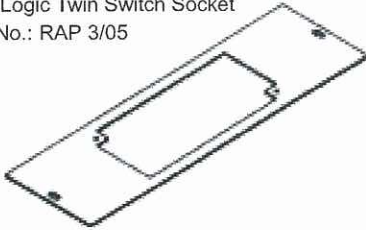
91507 GRY

## 3 Compartment

### POWER

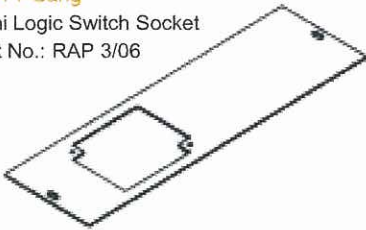
#### 13A 2-Gang

Mini Logic Twin Switch Socket  
List No.: RAP 3/05



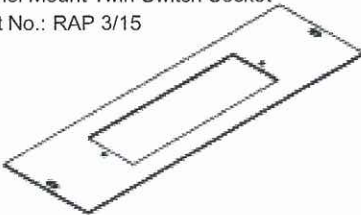
#### 13A 1-Gang

Mini Logic Switch Socket  
List No.: RAP 3/06



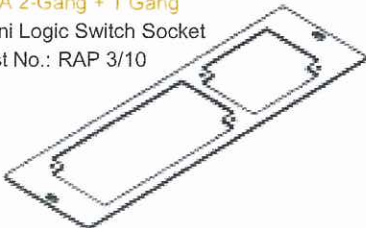
#### 2 x 13A 1-Gang

Panel Mount Twin Switch Socket  
List No.: RAP 3/15



#### 13A 2-Gang + 1 Gang

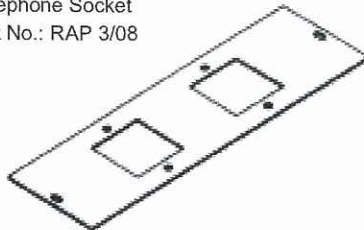
Mini Logic Switch Socket  
List No.: RAP 3/10



### TELECOM

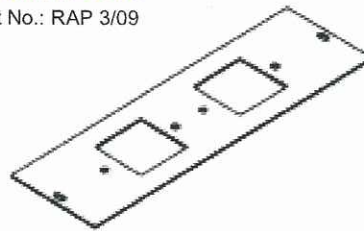
#### 2 x MK Mini Logic

Telephone Socket  
List No.: RAP 3/08



#### 2 x Slimline Socket

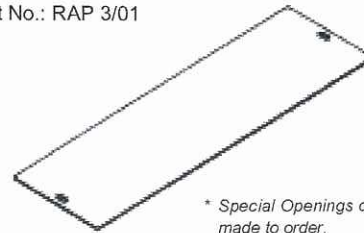
List No.: RAP 3/09



### DATA

#### Blank Plate

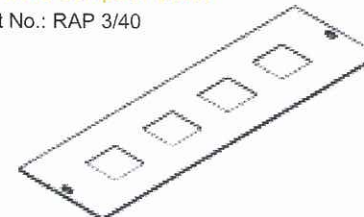
List No.: RAP 3/01



\* Special Openings can be made to order.

#### 4 x RJ45 Computer Outlet

List No.: RAP 3/40

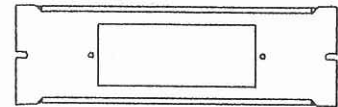


## 4 Compartment

### POWER

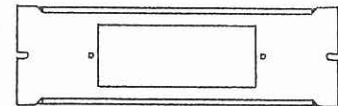
#### 13A 2-Gang (Normal)

Panel Mount Twin Switch Socket  
List No.: RAP 4/20



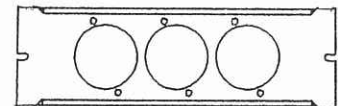
#### 13A 2-Gang (Essential)

Panel Mount Twin Switch Socket  
List No.: RAP 4/20R



#### 3 x 13A 1-Gang (Normal)

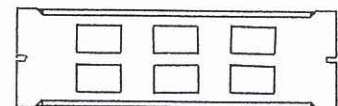
Panel Mount Socket (Round Shape)  
List No.: RAP 4/30



### TELECOM

#### 6 x IT/ Tel Socket

List No.: RAP 4/60



#### Blank Plate

List No.: RAP 4/10

