



# Technical Data

## External Junction Box

### Brief product description:

IP rated accessories designed to protect against water and dust ingress in the most arduous of conditions

### Features:

- IP55 Rated (with cover closed)
- Outdoor junction boxes have a selection of M20 + M25 on sides and M25 entry on rear with sealant ring
- Fixing centres with horizontal and vertical adjustment

### Product Images



WPBJBR



WPBJBS



WPBJB1



WPBJB2



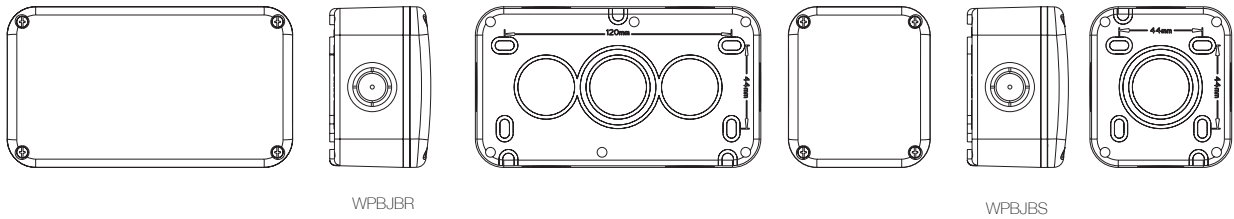
490

### Technical Specifications

IP Rating	IP55
Weather & dust protection	When cover is closed: Protection against dust ingress Protected against low pressure water jets
Number of cable entries	10 x M20 cut-outs (3 top + bottom, 2 per side) 3 x M25 cut-out on rear with sealant ring (WPBJB1, WPBJB2 products) 4 x M20 cut-outs (1 each side) 1 x M25 cut-out on rear with sealant ring (WPBJBS product) 6 x M20 cut-outs (2 top + bottom, 1 per side) 1 x M25 cut-out on rear with sealant ring (WPBJBR product)
Fixing Centres	150 x 55mm fixing centres with horizontal and vertical adjustment (WPBJB1 product) 210 x 115mm fixing centres with horizontal and vertical adjustment (WPBJB2 product) 44mm fixing centres with horizontal and vertical adjustment (WPBJBS product) 120 x 44mm fixing centres with horizontal and vertical adjustment (WPBJBR product)
Size	H100 x W180 x D110mm (WPBJB1 product) H135 x W270 x D180mm (WPBJB2 product) H85 x W75 x D53mm (WPBJBS product) H85 x W150 x D53mm (WPBJBR product) H80 x W80 x D45mm (490 product)
RAL Colour	RAL 7042

# External Junction Box

## Line Diagrams



## Packaging Information

Cat No.	Description	Packaging Type			Pack Quantity			Barcode		
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Individual	Inner Box	Outer Box
490	Square Junction Box	Polybag	Printed Inner Box	Printed Outer Box	1	10	100	5021166490004	5021166490080	5021166490097
WPBJBS	Square Junction Box	Printed Box	Printed Inner Box	Printed Outer Box	1	10	100	5050765037372	5050765037464	5050765037556
WPBJBR	Rect. Junction Box	Printed Box	Printed Inner Box	Printed Outer Box	1	5	50	5050765037389	5050765037471	5050765037563
WPBJB1	Junction Box	Printed Box	Printed Inner Box	Printed Outer Box	1	/	10	5050765043236	/	5050765044998
WPBJB2	Junction Box	Printed Box	Printed Inner Box	Printed Outer Box	1	/	10	5050765043243	/	5050765045001

## Weights & Dimensions

Cat No.	Description	Dimension (W x L x H) cm			Weight (kg)			CMB (m <sup>3</sup> )
		Product	Inner Box	Outer Box	Each	Inner Box	Outer Box	Outer Box
490	Square Junction Box	8.0 x 8.0 x 4.5	40 x 16 x 5	36 x 52 x 35	0.18	1	11.5	0.06
WPBJBS	Square Junction Box	7.6 x 6.5 x 9.2	34.5 x 16.2 x 10	36 x 52 x 35	0.18	1	11.54	0.066
WPBJBR	Rect. Junction Box	15 x 6.5 x 9.2	34.5 x 16.2 x 10	36 x 52 x 35	0.09	1.1	13.04	0.066
WPBJB1	Junction Box	15 x 6.5 x 9.2	/	24.5 x 53 x 21.5	0.42	/	4.5	0.028
WPBJB2	Junction Box	15 x 6.5 x 9.2	/	40 x 73 x 30	0.66	/	6.9	0.088

# External Junction Box

## Installation Information

### Safety Warning

Before use please read carefully and use in accordance with these safety wiring instructions.

Before commencing any electrical work ensure the supply **is switched off at the mains**. Either by switching off the consumer unit or by removing the appropriate fuse.

Wiring should be in accordance with the latest edition of the IEE regulations (BS 7671).

### Wire Identification – Twin & Earth Cable

**EARTH** = Green/Yellow Sleaving

**NEUTRAL** = Black (pre Apr 04) / Blue (after Apr 04)

**LIVE** = Red (pre Apr 04) / Brown (after Apr 04)

To prevent fire hazard always use cable of the correct rating, size and type for the application.

Note - As from 1st April 2004 new colour codes for hard wire installations was introduced.



**Technical Helpline: 03300 249 279**

**If in doubt consult a competent electrician.**

### Installation Instructions

Choose position of product and cable entries.

The cable entries should be made using a 20mm diameter cutter and the cable inserted via suitable glands or conduit.

For side top or rear entry the lowermost drain hole position must be drilled out using a 5mm drill. Only 1 drain hole position should be drilled.

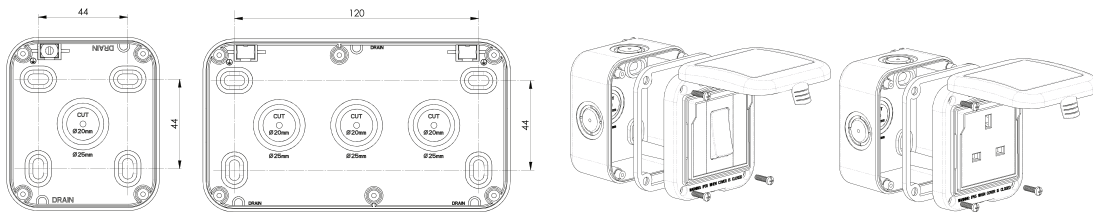
For bottom entry a drain hole must not be drilled in the rear box, but a drain hole should be drilled at the lower most point of the conduit run.

For rear entry a channel around the cable entry is provided to accept a bead of sealant (not supplied) for extra sealing protection.

To ensure the weatherproof rating is maintained, sealant (not supplied) should be used around the screw holes.

### Note

The drilling out of a drain hole will reduce the IP rating of the product. The rear box should be attached to a suitable flat surface using No.8 screws.



Before fitting front assembly check that the gasket seal is fitted correctly to the base.

Connect the wiring to the terminals of the accessory, please consult the appropriate wiring diagram below.

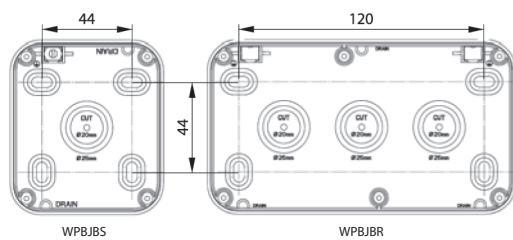
After wiring fit front assembly to the rear box using the screws supplied, **DO NOT OVERTIGHTEN**.

Switch power back on and check product is working and that cover closes correctly.

Switches can be operated without opening the cover; sockets require the cover to be opened (Sockets are not IP rated in use).

### Enclosures

Mounting point dimensions



### Enclosures

Mounting point dimensions

