

The Ritherdon R28 Electric Meter Box Repair Unit is designed to repair and upgrade one of the most common Hepworth recessed GRP electric meter boxes, providing it with stainless steel protection. The door and frame unit retrofits and completely covers the GRP box, fixing to the box itself while allowing convenient access to the meter.



Figure 1 – Picture of an open R28E with visible fixing plates

The R28E is internally fixed and retrofits to the recessed GRP meter boxes through the use of two vertical fixing plates on either side of the inside of the back of the frame. These fixing plates fix onto the inner sides of the existing GRP meter box using fixing screws. The dimensions of the meter box and its fixing plates are detailed in Table 1 below. To fit a GRP meter box, this model must meet following conditions:

- The external dimensions must all be **greater** than those of the existing box.
- The fixing plate height must be **less** than the inside height of the existing box.
- The plate separation must be **within 10mm** of the inside width of the existing box.

Table 1 - Product Range showing external dimensions and fixing plate dimensions.

Model	External Dimensions			Fixing Plate Dimensions		Weight kg
	Height mm	Width mm	Depth mm	Height mm	Separation mm	
R28E	611	440	67	495	356	5

Features and Benefits

- **IP35 Rating** – Protected against +2.5 mm solid objects and water jets according to BS EN 60079-0:2006.
- Compatible with the requirements stated for plastic outdoor electricity cupboards in BS 8567:2012
- Contains two optional cut-outs (44w x 90d) at the bottom, 256mm apart. Centre of left cut-out is 112mm from the left and centre of right cut-out is 72mm from the right.
- **Clever Design** – The units are fitted with slam cams and cover the existing meter box entirely giving the appearance of a new installation.
- **Robust Construction** – Stainless Steel construction greatly improves resistance to vandalism and wear and tear compared to GRP, greatly improving its service life.
- **Colour** – Available in RAL 9010 Satin White, however can easily be repainted.
- **Quick and Safe Installation** – Installation takes as little as 10 minutes, does not require any specialist training, and does not require any interaction with the meter itself.
- **Lock options** – Including Tri-Key Cam-Lock and 1333 Key Operated Cam-Lock for added security.
- **Ritherdon Guarantee** - All Stainless Steel door and frame units come with a 25-year guarantee.

Please contact our technical team if you require a more detailed report of the testing or if you have any other questions and would like to discuss any aspect of this data sheet.