

The Ritherdon R27 Electric Meter Box Repair Unit is designed to repair and upgrade one of the common steel electricity meter boxes of either “Mantel” or “Clifton” designs, often used in high and medium rise social housing. The door and frame unit retrofits to the metal back box after removal of the existing metal frame, which allows convenient access to the meter.

The R27E is internally fixed and retrofits to the meter back box through the use of four fixing tabs, two on either side of the inside of the back of the frame. These fixing tabs slot onto threaded studs present on the inside of the back box and are fixed in place using nuts. The dimensions of the meter box and its fixing tabs are detailed in Table 1 below. To fit a meter box, this model must meet following conditions:

- The external dimensions must all be **greater** than those of the existing box.
- The slots on the fixing tabs must line up with the studs present in the back box.



Figure 1 – Picture of an open R27E with fixing tabs visible

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

Model	External Dimensions			Fixing Tab Separation			Weight kg
	Height mm	Width mm	Depth mm	Vertical (slot to slot) mm	Vertical (end to end) mm	Horizontal mm	
R27E	800	398	75	382	412	398	7.5

Features and Benefits

- 53mm x 30mm fixing tabs (l x h) with 32mm x 7mm slots (l x h) in the centre.
- Compatible with the requirements stated for plastic outdoor electricity cupboards in BS 8567:2012.
- Clever Design – The units are fitted with tri-key cam locks 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.