

Residual Voltage Detection Unit

Product Code: **MPS.RVD-EMR (various)** | **MPS.RVD-EI (various)**

SPECIAL FEATURES EMR & EI

- ✔ Exceeds AS/NZ standards for 3000, 3100 & 3190
- ✔ Electrical earthing safety system that works with existing electrical distribution systems
- ✔ 100% safer than conventional safety devices
- ✔ Provides an additional layer of electrical protection
- ✔ Will not impede or interfere with the normal operation of an RCD/RCBO
- ✔ Reverse polarity protection & cutout (EMR)
- ✔ Activates on standard MEN systems (EMR)
- ✔ Provides electrical safety on isolated supply (EI)



SPECIFICATIONS

RVD	L1 Protection	L2 Protection	MEN Compatible	Connections
MPS.RVD-EM-16A	✔	✘	✔	Neutral line-side: Blue Active load-side: Brown Earth / Frame (Sensor): Green/Yellow
MPS.RVD-EM-20A	✔	✘	✔	
MPS.RVD-EM-25A	✔	✘	✔	
MPS.RVD-EM-32A	✔	✘	✔	
MPS.RVD-EI-10A	✔	✔	✘	
MPS.RVD-EI-16A	✔	✔	✘	

PRODUCT APPLICATION GUIDE

RVD-EMR	RVD-EI
<ul style="list-style-type: none">✔ Works on both isolated & non-isolated supplies✔ Reverse polarity detection and cut-off✔ Activates on standard MEN systems✔ Supplied alongside relevant RCBO for overcurrent protection✔ Provides electrical safety on LI & earth only✔ Fault detection point 53V @ 25mA @ 20m sec (L1) - isolated supply✔ Intrinsically safer - minimal touch potential - isolated supply✔ Will trip in scenarios where poor or no earth connection exists to provide additional level of safety✔ RCBO Fault detection point 240V @ 30mA (L1 only)	<ul style="list-style-type: none">✔ Only works on isolated supplies<ul style="list-style-type: none">- portable generators- isolated generators (no MEN)- inverters (no MEN)- isolation transformers (no MEN)✔ Will provide electrical safety on LI (active) & L2 (neutral)✔ Supplied alongside relevant RCBO for overcurrent protection✔ Fault detection point 53V @ 25mA @ 20m sec (L1 & L2)✔ Intrinsically safer - minimal touch potential


Dimensions: 18mm wide x 78mm x 65mm deep DIN rail mountable


Voltage rating: 207v - 253 VAC or 110 VAC

Frequency: 50hz minimal touch potential



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CORROSION CONTROL THAT WORKS