

Raipec MM-2 Mains Monitor Unit

The Mains Monitor reduces the risk of over and under mains voltage damaging ⁽¹⁾ mains equipment. Connected between the local mains supply and mains driven devices, the unit monitors the incoming line voltage and isolates the output should the input voltage fall outside the accepted limit.



Applications:

The Mains Monitor isolates the load should the incoming voltage be below 200Vac or above 260Vac. In the majority of cases, over voltage is the main concern. This situation arises when a fault (i.e. incorrectly wired 3-phase supply) could potentially generate 340Vac between Live and Neutral ⁽²⁾. Similarly, many mains driven motors under constant load can 'stall' if the voltage is too low, causing burn-out.

(1) No **Spike** or **RCB** protection included, no liability for loss or damage accepted.

(2) Contact Sales department for specific examples of damage caused by faulty wiring.

Voltage Display LEDs: [Front Panel]

180V – 270V Shown in 10Vac incremental steps, these LEDs indicate the incoming line voltage.

Status LEDs - Over/Under: [Front Panel]

Green Incoming line voltage acceptable, through feed "on"

Red Incoming line voltage above/below limit, through feed "off"

Input/Output: [Rear Panel]

MM1 Standard IEC Male/Female 10A connectors. Fused 10A

MM2 Neutrik™ 20A Powercon connectors. Not fused

Alarm: [Internal]

Buzzer 88dB sounder when incoming voltage above/below limit.



MM1



MM2

Connections:

| | |
|-----|---|
| MM1 | Fused chassis Inlet, nylon 6.6 material, 20x5mm fuseholder 240Vac 10A |
| | CL, CSA, VDE, SEMKO, DEMKO, NEMKO, SEV, SETI approved |
| | IEC chassis socket 240Vac 10A |
| MM2 | UL, CSA, VDE, SEV, SEMKO approved. |
| | Neutrik 240V 3-pole locking mains connectors 20A. |
| | SEV, UL and VDE approved. |

Switching:

240Vac @ 32A double pole relay, Live/Neutral isolation

Power:

| | |
|-------------------|-------------------------|
| Power Input | 100Vac - 440Vac 50/60Hz |
| Power consumption | 5W @ 240Vac |
| Fuse | 20mm x 5mm 1A internal |

Environmental:

| | |
|-----------------------|---|
| Operating temperature | 0DegC to 40DegC (32Deg F to 104Deg F) |
| Relative Humidity | 10% - 80% relative humidity, non-condensing |

Dimensions:

| | |
|-------------------|--|
| Dimension (WxHxD) | Aluminium enclosure 105mm x 56mm x 126mm |
|-------------------|--|

Weight:

| | |
|--------------|--------|
| Weight (net) | 0.18Kg |
|--------------|--------|

Warranty:

One year limited, parts and labour

Designed and manufactured in the UK

Specification subject to change without prior notice.

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