

MC810B Digital Temperature Controller



It can be used either in ON/OFF mode with the hysteresis loop controlling power switching or it can be used as a PID (Proportional, Integrated, Derivative) controller. Alternatively it may be used simply as a temperature measuring device.

Temperature sensing is performed by a plug-in platinum resistance probe. The sample temperature is displayed on the LED display. This product is suitable for bench and retort stand mounting or wall mounting using the bracket and screws provided.

The MC810B has a short mains output lead with an IEC socket to connect it to the resistive load. An accessory extension mains lead is available where remote operation is required (e.g. in a fume extraction unit).

The MC810B controller must be used in conjunction with a suitable heating or cooling device e.g. mantle, electric Bunsen or hotplate.

TECHNICAL SPECIFICATIONS.

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| Mains supply voltage | 220-240V~AC 50/60 Hz – (MC810B, MKII). |
| Maximum load | 230V = 1500 Watts |
| Controller power consumption | 230V = 2W |
| Fuse rating at Relay output | 230V = F8A 20mm x 5mm Glass Quickblow. 12A switching. |
| | Note: 12A not available for use. The unit is fused at 8A see max load – Watts. |
| Mains Power Lead set (UK) 13A BS1362 | 3 core earthed / ground. 2 meters long. Moulded IEC plug and Lead set – supply cord H0 V V-F- Replace only with equivalent cable. |
| Lead set plug fuse (UK – only) | 13A (BSEN1362). |
| Mains Output | Non-detachable 3-core mains cable with moulded IEC socket (230V) |
| Temperature Probe Input | 5-pin DIN socket |
| Rod Clamp size | 12.7mm diameter |
| Output ON Indication | Amber Neon (front panel). |
| Case Construction | Die cast Aluminium. |
| On / Off control | Rocker Switch. |

Dimension & Weight (Unpacked).

