

Relay Unit: Single Channel



The Mirage MRP-10-01 is a wall mounting, single channel, Relay Unit designed for the reliable mains switching of LED and other non-dimmable lighting loads using Leading Edge Dimming Technology.

It is rated at 10A resistive or inductive and is protected by a 10A Type C Miniature Circuit Breaker (MCB).

The control input can be either 0-6V or 0-10V from the Mode control systems or 1-10V sinking control from Building Management Systems.

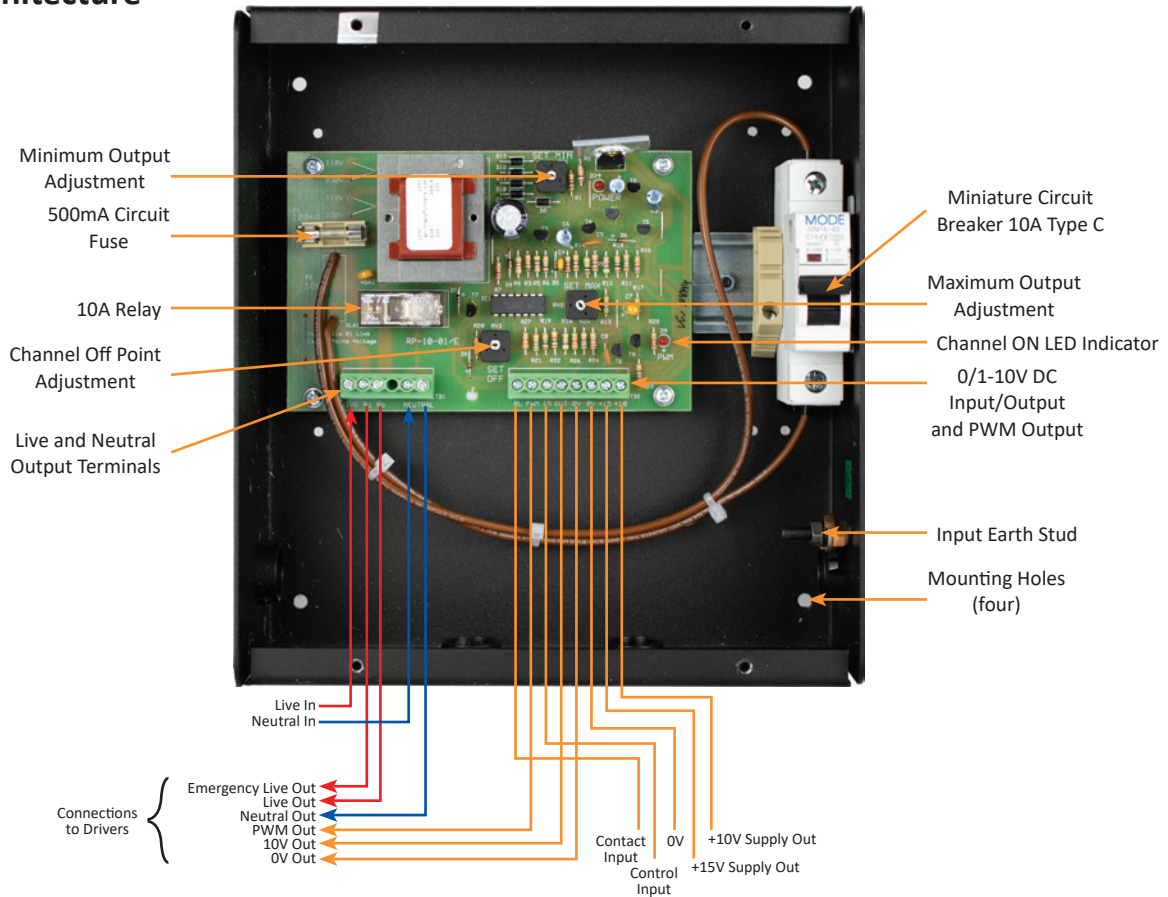
The MRP-10-01 is mounted in a black aluminium case with a natural anodised silver front panel.

Key Features

- » Single switching channel of 10A resistive or 9A inductive loads.
- » Up to 2A of compatible LED load per channel.
- » Leading Edge Dimming Technology.
- » Control input suitable for use with 0-10V and 1-10V controllers.
- » 10A Type C MCB Circuit Protection.
- » Emergency Fixed Live MCB protected output for maintained emergency supply.
- » LED channel monitor to indicate the operation of the output.
- » Supply input 230/240V. 50-60Hz. 40A maximum (100-125V option available).
- » Relay override terminal for volt free channel operation.
- » Channel minimum switch-off point setting.
- » External supply low voltage DC for use with remote dimmers and ancillary equipment.
- » Conduit cable entries (four) 21mm diameter suitable for use with conduits and trunking.
- » Complies with EC EMC and Low Voltage Directives (CE).
- » 2 year warranty.



System Architecture



Technical Data

Power	
Mains Supply	» 230V AC +/- 10% 50/60Hz, 10A maximum
Control Fuse	» 20mm x 5mm 500mA HRC ceramic
Earth	» This product must be earthed
Connections & Cable Specifications	
Channel Outputs	» Single channel of 10A resistive or inductive loads » Up to 2A for LED loads depending on LED de-rating factor » Check with LED lamp manufacturer for recommended number of lamps on a 10A MCB or RCBO*
Load MCB	» Individual Miniature Circuit Breaker (MCB) 10A Type C
Control Input	» 0-10V or 1-10V DC analogue control (selectable)
Relay Override	» Volt free relay override using latching device
Mechanical	
Standards	» EN55015, EN61547, EN61000-3-2, EN61000-3-3, EN60439-1, EN60950
Conduit Entries	» Four off 21mm diameter
Dimensions	» 220mm High x 200mm Wide x 75mm Deep
Fixing Centres	» 182mm x 178mm
Weight	» 1.1kgs
Packed Size	» 230mm High x 227mm Wide x 82mm Deep
Packed Weight	» 1.25kgs

Note

For additional technical information refer to Installation Guide MRP-10-01.

*The maximum number of lamps on a circuit and dimming performance will vary for different lamps and manufacturers. Users should verify performance and dimming range with the lamp manufacturer. For further advice please contact your local distributor or the Mode Lighting Technical team.

Installation should be in accordance with the relevant National Wiring Regulations and other applicable Regulations. Compliance to EC EMC and Low Voltage Directives may be invalidated if not used or installed according to the published specification.

MRP-10-01 should be located in well ventilated areas and should not be covered or enclosed by insulating materials.

Mode reserve the right to amend the product specification or design at any time and without notice.



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