



# Mercury<sup>®</sup>

MRP4X10A+VFR RELAY PACK

The Mercury<sup>®</sup> relay pack gives simple and effective control of peripheral devices such as blinds, security systems, fans and curtains for all kinds of environments: residential, hotels, restaurants, bars/clubs, health spas, museums, entertainment spaces such as home cinemas and so much more, both inside and out. It also benefits from being one of the easiest systems to install and operate.

**Hamilton<sup>®</sup>**  
making light work

TPDS-MRC01-Pg1-28 (Rev D) 08\_14 E&OE



multi-room audio and lighting control Systems

# Mercury<sup>®</sup>

## SYSTEM FEATURES

- Standard system does not require any software knowledge or programming input by the specifier, installer or the end-user.
- Not reliant on manufacturer's commissioning.
- 4 relays each rated at 10 amps plus one additional volt free relay rated at 3 amp.
- All 5 outputs are protected by MCBs (miniature circuit breaker) and a mains switch disconnecter.
- Individual on/off circuit control.
- LED lamp compatible\*
- Settings unaffected by power failure.
- Can easily be added to and upgraded at a later stage.
- Larger, multi-channel configurations possible by networking systems together.
- Multiple control options and mixes.
- Wiring between relay pack and control station is CAT5/6 cable or Beldon 20AWG cable (twisted pairs).

The relay pack consists of an enclosure housing the electronic power handling equipment. This should be mounted in a suitable and convenient location such as electrical switch room, cupboard or roof space. These locations must have good access and free airflow.

## TECHNICAL INFORMATION

Designed to comply with EN60669-2-1 (safety, operation and EMC)

<b>Ratings:</b>	220/240Vac 50/60Hz	<b>Weight:</b>	4.5KG
<b>Environment:</b>	-10°C to 45°C 90% humidity non-condensing	<b>Wiring:</b>	CAT 5/6 UTP cable (unscreened 4x twisted pairs) CAT 5/6 STP cable (screened 4x twisted pairs) SELV supply (<15Vdc)
<b>Loads:</b>	Non-dim circuits and 1 volt free		
<b>Dimensions:</b>	457mm x 205mm x 78mm		

## ALSO AVAILABLE FROM MERCURY LIGHTING

- 1000W
- 5000W
- 4x600 dimmed circuit
- 4x1-10V
- DMX  
*Readily available multi-channel LED drivers etc.*
- RGB control
- PIR motion detectors
- 4x10 Amp relay board  
*Control of non-dim circuits - curtains, blinds etc.*
- 4x2 Amp VFR
- 2x2 Amp cross over relay

## CONTROL TYPES

An extensive range of controls, using standard Hamilton single and double plates (box depth 35mm). Larger plates and special sizes with chosen finishes are available to order. All controls are complementary to other Hamilton wiring accessories.

<b>Momentary:</b>	Retractive rocker or push to make switch
<b>Infra-Red Receiver:</b>	Plate with receiver only
<b>Scene-Set:</b>	With integral IR receiver via capacitive touch plate or illuminated switch plate
<b>Infra-Red Hand-Set:</b>	Allowing scene recall and individual circuit control, also controls audio system
<b>PIR Motion Detector:</b>	Detects movement/no movement and adjusts lighting accordingly (powered via 12V CAT5 (no mains required))

## FOR LED COMPATIBILITY HAMILTON RECOMMENDS:

\*De-rate dimmers by 75% eg. 600Watt dimmer = 150W LED

Due to the different design and component variations we recommend that when dimming mains (GU10) type LEDs compatibility is sought between dimmer and lamp prior to purchase and installation. For more information contact our technical support.