



# Mercury®

MDP4X600+VFR DIMMING PACK

The Mercury® dimming pack gives simple and effective control of lighting and building systems. It also benefits from being one of the easiest systems to install and operate, allowing you to transform a space to suit any mood and is essential for creating the right atmosphere in 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.

**Hamilton®**

making light work

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

 BRITISH  
MANUFACTURER

multi-room audio and lighting control Systems

# mercury®

## ENERGY MANAGEMENT

Energy management is a very important issue. Today's buildings all need to intelligently manage energy usage. The Mercury® dimming pack can interface with PIRs and time clocks so the lighting can be controlled and monitored alongside other services by a building's overall energy management system.

- PIR movement detector in stairwells
- 'All off' button, turns off all lights with one button when leaving a home or office
- Volt free relay to interface with non-dim circuits

## SYSTEM FEATURES

- 4 channels each rated at 600W, plus one additional volt free relay output, so that you have the ability to switch on non-dim circuit items such as extractor fans.
- All 5 outputs are protected by MCBs (miniature circuit breaker) and a mains switch disconnecter.
- Soft start feature prevents nuisance tripping and extends lamp life.
- Not reliant on manufacturer's commissioning.
- Individual circuit control for on/off, raise/lower.
- LED lamp compatible\*
- Settings unaffected by power failure.
- Easily added to and upgraded at a later stage.
- Multiple control options and mixes.
- Wiring between dimmer pack and control station is CAT5/6 cable or Beldon 20AWG cable (twisted pairs).

## SYSTEM CONFIGURATION

- Simple DIP switch settings allow installer to link multiple packs together to add extra circuits in a larger area ie no laptop or end user software is required.
- Larger, multi-channel configurations possible by networking dimming/switched systems together. The Mercury® installer software gives access to the many features embedded in the system allowing configuration of larger, more complex applications.

## TECHNICAL INFORMATION

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

<b>Ratings:</b>	220/240Vac 50/60Hz	<b>Dimensions:</b>	457mm x 205mm x 78mm
<b>Environment:</b>	-10°C to 45°C 90% humidity non-condensing	<b>Weight:</b>	4.5KG
<b>Loads:</b>	Resistive LV with selected electronic transformers Selected LEDs*	<b>Wiring:</b>	CAT 5/6 UTP cable (unscreened 4x twisted pairs) CAT 5/6 STP cable (screened 4x twisted pairs) SELV supply (<15Vdc) To control outstations or plates

## 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, adjusts lighting accordingly

## 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.