

# Smart Lighting Control

## MDP4X600+3AR+E Dimming Pack - with built in Ethernet Bridge

The Hamilton 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. The MDP4x600+3AR-E has the added bonus of wireless control. Simply connect the integrated Ethernet port to a wireless router to allow full control of the lighting system from the Hamilton® App via a smart device or tablet.



### SYSTEM FEATURES

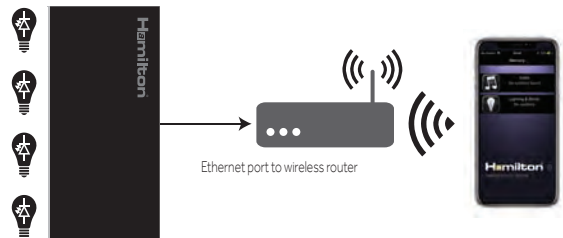
- 4 channels each rated at 600W, 150W LED, plus one additional 3 amp relay output, so that you have the ability to switch on non-dim circuit items such as an extractor fan.
- All 5 outputs are protected by MCBs (miniature circuit breaker) and a mains switch disconnecter.
- Soft start feature prevents 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).
- On board Ethernet interface.
- Remote control from smart phone or tablet via app.
- Variable fade rates.

### TECHNICAL INFORMATION:

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

Ratings:	220/240Vac 50/60Hz
Power Output:	600 watts per circuit/150 LED 1x 3A Relay
Environment:	-10°C to 45°C 90% humidity non-condensing
Loads:	Resistive LV with selected electronic transformers Selected LEDs*
No. of Channels:	4 Dim + 1 Non Dim
Environment:	-10°C to 45°C 90% humidity non-condensing
Dimensions:	457mm x 205mm x 78mm
Weight:	5.3KG Approx
Standard / Approval:	EN60669-2-1
Wiring Control:	CAT 5/6 UTP cable (unscreened 4x twisted pairs) OR CAT 5/6 STP cable (screened 4x twisted pairs) OR SELV supply (<15Vdc) (To control outstations or plates) OR Belden 1502R
Network:	10 Mbps RJ45

Code	Remote Dimmer Packs
MDP4X600+3AR+E	4 x 600W + 3A relay dimmer pack with built in Ethernet Bridge



For LED compatibility Hamilton recommends:

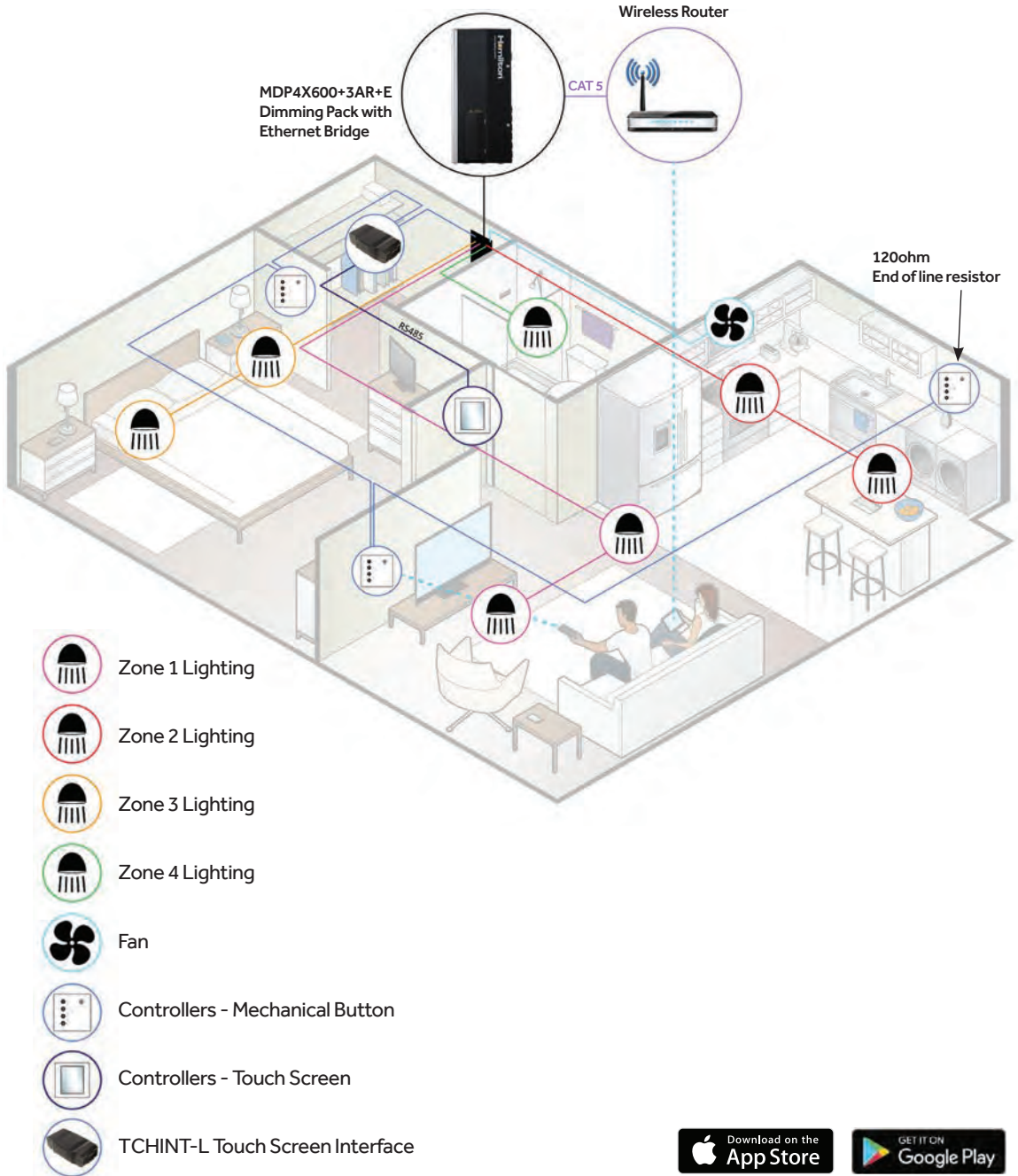
\*De-rate dimmers by 75% eg. 600Watt dimmer = 150W LED

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.

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## Lighting Control - Wiring Diagram



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## Expanding the Lighting Control System

### 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 Hamilton installer software gives access to the many features embedded in the system allowing configuration of larger, more complex applications.

