

YOU HAVE CONTROL...

Uniclass L74 735	EPIC K712
CI/Sfb (62X) (63) X	

DIGITAL MERCURY LIGHTING CONTROL

Designed to meet the aspirations of people who want the capabilities of sophisticated systems but not the complexities.



Hamilton

DIGITAL MERCURY LIGHTING CONTROL

Digital Mercury pack and controls for resistive loads, low voltage (including most electronic transformers) or fluorescent (with ballast interface) LEDs and RGB lamps.

Intelligent dimming allows scene setting and easy changes which the system will remember and automatically reproduce when next turned on. Control options include remote, momentary and rotary as well as scene setting. All are built into the system. These controls fit on most Hamilton plates to achieve consistency of appearance.

A four-wire daisy chain system allows the installer to link one control to another on the same line. Outstations are coded with an individual identity allowing multi-zones and multi-channels per zone, making the system simple yet versatile.

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
- Settings unaffected by power failure
- Can be added to and upgraded at a later stage
- Larger, multi-channel configurations possible
- Centrally located or split control pack
- Wiring by 1-10V CAT5 cable
- Control packs may be controlled individually or grouped together
- Multi-control points on one system (multiple systems can be linked together)
- Multiple Control Options and Mixes
- Create Multi-load Type Channels
- Extensive range of controls

Rotary: traditional simple rotary dimmer control

Momentary: retractable rocker or push to make switch

Scene-set: back illuminated push button, storable scene set and infra-red option

Infra-red receiver: plate with receiver only

Infra-red hand-set: all control options from hand-set

- Uses standard Hamilton single and double plates (box depth 35mm)
- Larger plates, special sizes, chosen finishes to order
- Suitable for domestic and commercial schemes
- RS232 Interface
- Keyswitch partitioning available
- Controls will match in with your other Hamilton Litestat fittings



Product Data

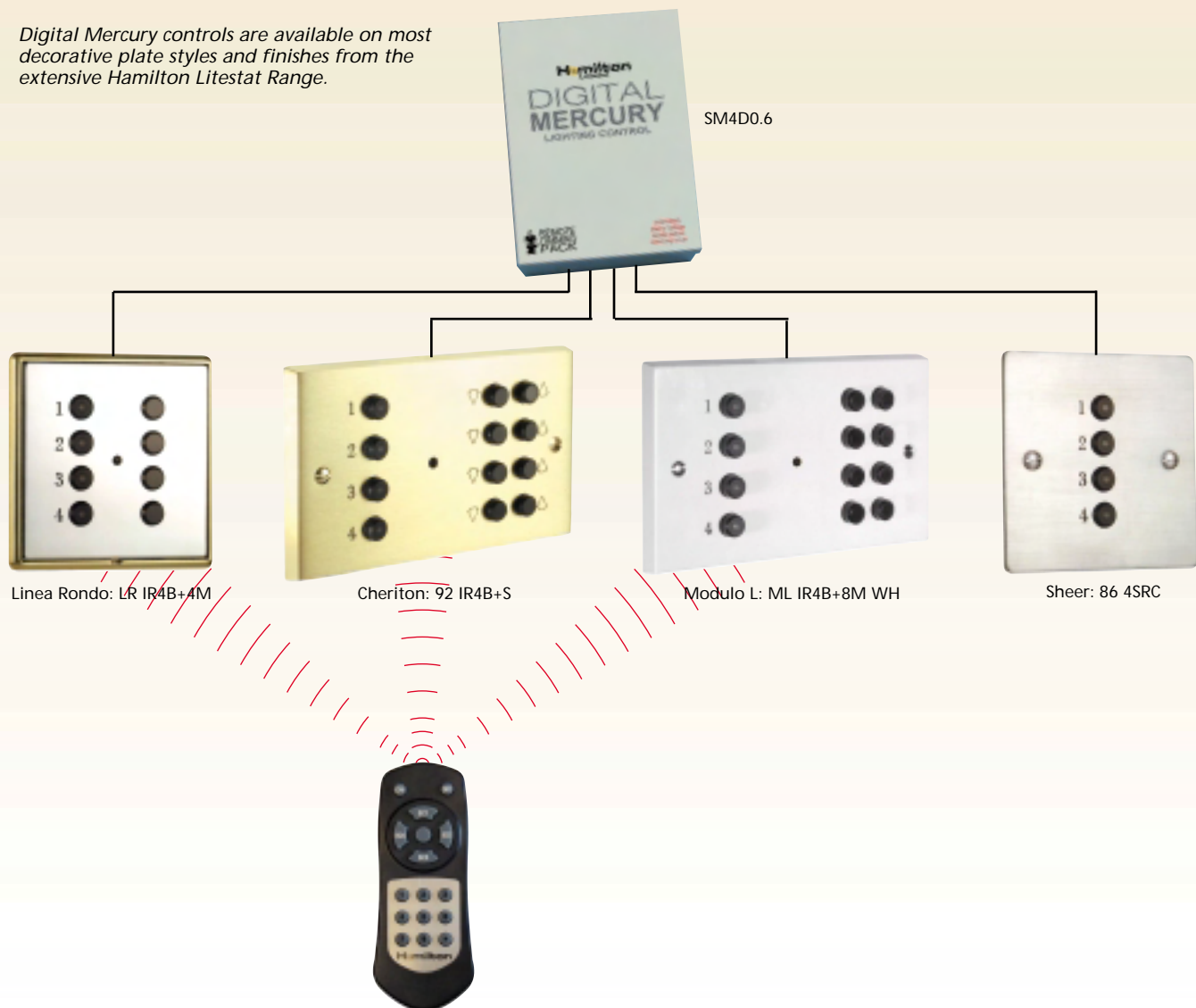
- Basic pack: 4 x 600W
1 x 1200W
2 x 1200W
1 x 2.5 kW
1 x 5 kW
1 x Fluorescent 1–10V HFR
Electronic Ballast (Max 15A per channel)
2 x Fluorescent 1–10V HFR
Electronic Ballast (Max 15A per channel)
- Packs available to control LED's on request
2 x 10A volt free contacts
4 x 10A volt free contacts
- Control wiring by 1–10V CAT5 cable
- Resistive loads
- LV including electronic LV transformers (leading edge)
- Fluorescent with 1–10V HFR electronic ballast
- EMC standard
- LED and RGB lamp circuits
- Up to 16 channels per zone on 16 zones per coms line (CAT5)
- Control of channel may be individual, together or grouped via on-board Dip switches
- Wall boxes: Flush steel wall boxes as BS4662: 1970
Recommended minimum depth 35mm (for control plates)

Digital Mercury controls are available on most decorative plate styles and finishes from the extensive Hamilton Litestat Range.

Technical Data

- 220/240VAC 50/60 Hz
- Basic 4 x 600W pack size
300 x 200 x 100mm with side vents
- 20mm knock outs for cable entry (2 top, 2 bottom)
- Operating temperature between -10° to +45° C
- 90% humidity
- Wire as daisy chain, star or ring or a combination
- Designed to comply with EN660669-2-1
(safety, operation and EMC)

Wiring	CAT5 UTP cable (unscreened 4 x twisted pairs) CAT5 STP cable (screened 4 x twisted pairs)
Controls Ratings	SELV supply (<15V DC) 220/240VAC 50/60Hz
Environment	-10° to 45°C 90% humidity non-condensing
Loads	Resistive Low Voltage with most Electronic transformers Fluorescent with 0-10V HFR ballast interface. Volt free relays for other applications (such as curtain controls/extractor fans)



DIGITALMERCURY LIGHTING CONTROL

Ordering Information

Control Plates

4 Button Scene Recall + 4 Channel	-- IR4B+4M --
4 Button Scene Recall + 8 Channel	-- IR4B+8M -- *
12 Button Scene Set (4 Scene Button + 4 raise and 4 Lower Buttons) + LED + Infra Red	-- IR4B+S -- *
4 Button Scene Recall	-- 4SRC -- *
1 gang Rotary Encoder	-- RESX1 --
2 gang Rotary Encoder	-- RESX2 --
1 gang Retractive Rocker for Digital Systems	-- RR1DC --
2 gang Retractive Rocker for Digital Systems	-- RR2DC --

Order Code
(- - Prefix with Plate Style
Suffix - - with Plate Finish)

Remote Dimmer Packs

Systems 4 x 600W Digital Dimmer Pack	SM4D0.6
Systems 1 x 1200W Digital Dimmer Pack	SM1D1.2
Systems 2 x 1200W Digital Dimmer Pack	SM2D1.2
Systems 1 x 2.5kW Digital Dimmer Pack	SM1D2.5
Systems 1 x 5kW Digital Dimmer Pack	SM1D5.0
Systems Digital High Frequency Dimmer Pack for 0-10V Fluorescent	SM1DHF
Systems Digital High Frequency Dimmer Pack for 0-10V Fluorescent	SM2DHF
If volt free relays are required suffix the Pack Code with:	
+ 2VFR	2 x 10A Volt Free Contacts
+ 4VFR	4 x 10A Volt Free Contacts

Remote Handsets*

Systems Digital Infra Red Handset - for Multi-Channel Packs (4 Scene + 8 Momentary Control + Full On/Off) with Batteries	DIRH 2
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*Remote Handsets can be used in conjunction with a control fitted with a Infra Red Receiver

Other Hamilton Litestat Products

Hamilton Litestat also produces switches, sockets, dimmers and other electrical wiring accessories used in most domestic and commercial projects.

The contemporary and classic plate designs are also used for Digital Mercury control points.

Tailor-made fittings can be created to client specifications.

Inserts are styled to reflect current decor trends.

Other lines include IP55 and IP66 switches and sockets; floor sockets; metalclad switches and sockets and Eurodata modules.

www.hamilton-litestat.com

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All products listed conform to current British or European standards and the product information is correct at the time of going to press.

All accessories are manufactured under an accredited BS EN ISO 9001: 2000 Quality System.

It is the policy of the company to continually improve products as part of our development programme. Therefore, we reserve the right to alter designs and dimensions without prior notice.

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E&OE DMC 01/07



MULTI GANG DIMMER PACKS

If you require lighting control for larger properties or commercial installations Hamilton's experienced staff will design and build a Mercury System to match your needs.

Utilising standard components, which helps to keep costs under control, we will configure a system to match your specific requirements, taking into account lighting type, circuit loadings and control requirements.

A system can consist of one or more enclosures depending on space, supply constraints and layout of the property. Separate enclosures may be linked together to provide a fully integrated lighting control solution.

To allow us to design your lighting control system simply complete the Lighting Control Design Guide and return it with as much detail as is available.

The following standard components are available:

- 4 x 600W dimmer card
- 2 x 1200W dimmer card
- 1 x 5000W dimmer card

- 2 x 1 – 10V dimmer card (Fluorescent or LED)

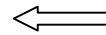
- 2 x Volt Free Relays (Switching only)

Control positions utilise matching standard Hamilton accessories to complement the interior design of the property. Numerous configurations are available to ensure that the lighting system can be controlled to the client's requirements.

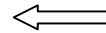
Hamilton®



Controller on Linea-CFX plate
(4 scenes; 4 momentary control
buttons)



4 scene slave on
Sheer plate



18 channel system
3 phase; controlling LV, mains
incandescent and fluorescent

