



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.

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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)

Ratings:	220/240Vac 50/60Hz	Dimensions:	457mm x 205mm x 78mm
Environment:	-10°C to 45°C 90% humidity non-condensing	Weight:	4.5KG
Loads:	Resistive LV with selected electronic transformers Selected LEDs*	Wiring:	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.

Momentary:	Retractive rocker or push to make switch
Infra-Red Receiver:	Plate with receiver only
Scene-Set:	With integral IR receiver via capacitive touch plate or illuminated switch plate
Infra-red hand-set:	Allowing scene recall and individual circuit control. Also controls audio system
PIR Motion Detector:	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.



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MRP4X10A+VFR RELAY PACK

The Mercury® 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.

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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 amp relay output.
- All 5 outputs are protected by MCBs (miniature circuit breaker) and a mains switch disconnecter.
- Individual circuit control for on/off.
- 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)

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

Momentary:	Retractive rocker or push to make switch
Infra-Red Receiver:	Plate with receiver only
Scene-Set:	With integral IR receiver via capacitive touch plate or illuminated switch plate
Infra-Red Hand-Set:	Allowing scene recall and individual circuit control, also controls audio system
PIR Motion Detector:	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.



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DKI DIMMER PACK KIT

Simple and easy to install and operate, allowing you to transform a space to suit any mood and essential for creating the right atmosphere in all kinds of venues.

- 4 channels each rated at 600W
- One 3 amp volt free relay output (mains or LV)
- Outputs protected by MCBs
- Easy installation
- Controls complementary to other Hamilton wiring accessories
- LED lamp compatible* (for more information contact Technical Support)
- Easily expanded
- Add additional packs using simple DIP switch settings

THE KIT CONSISTS OF:

- MDP4x600 watt dimmer pack + 1 VFR
- Mechanical button wall controller
- Hand held IR remote control

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IN THE KIT:

MDP4X600+VFR DIMMER PACK

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

Ratings: 220/240Vac 50/60Hz
Environment: -10°C to 45°C 90% humidity non-condensing
Loads: Resistive LV with selected electronic transformers
 Selected LEDs*

Dimensions: 457mm x 205mm x 78mm
Weight: 4.5KG
Wiring: 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

CONTROLLERS

A DKI kit is available with a mechanical button controller (using standard Hamilton single wall box (depth 35mm)) and IR controller.

MECHANICAL BUTTON CONTROLLER

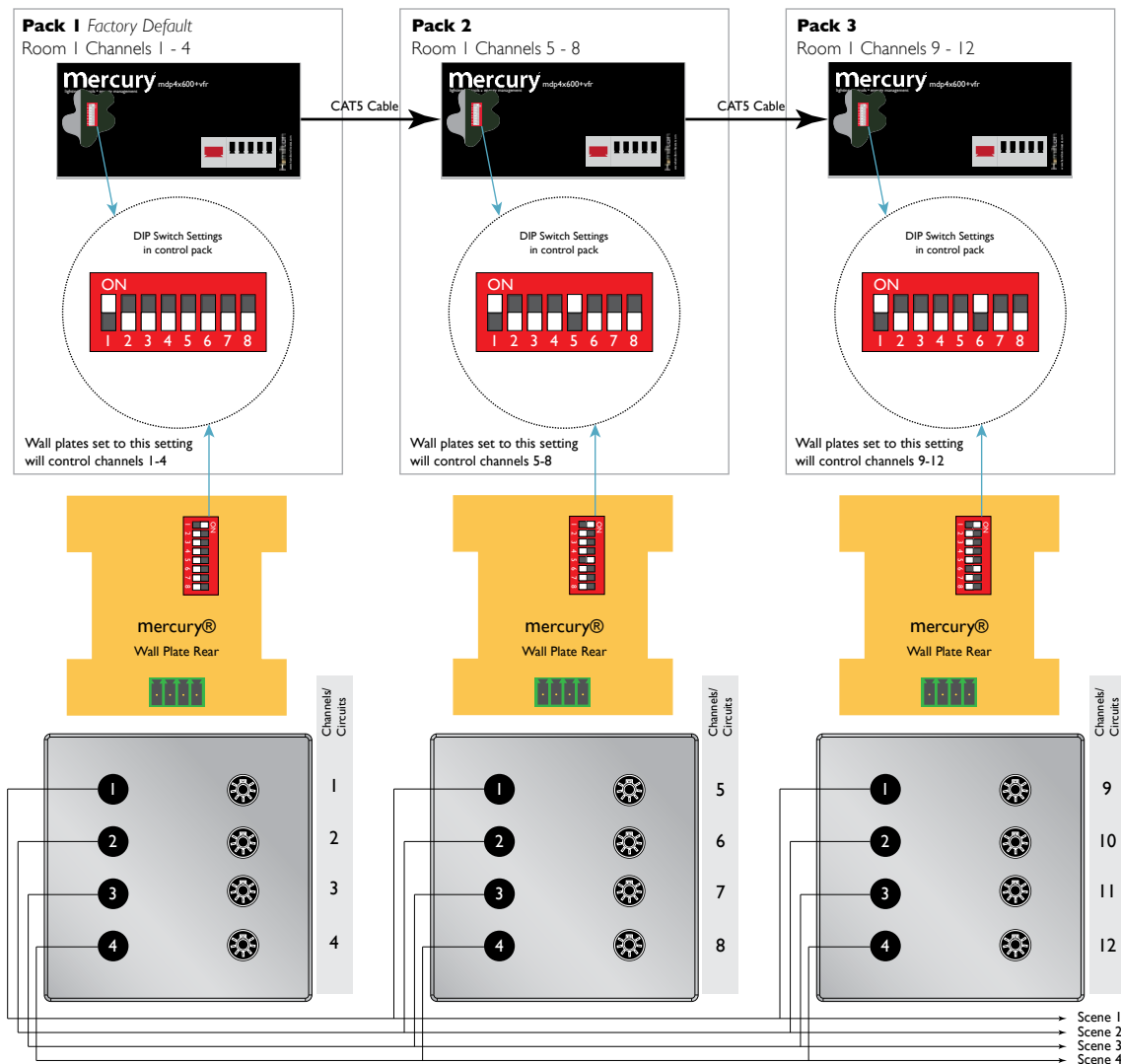
Control plate with white LED back light and IR receiver comes pre-set as a 4 button scene recall. Controllers will fit into any single wall boxes (BS4662) with a minimum depth of 35mm.

IR CONTROLLER

Credit card sized remote controller holds pre-programmed scene settings for lighting and controls audio 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 Mercury® installer software gives access to the many features embedded in the system allowing configuration of larger, more complex applications.



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.



Hartland CFX

MECHANICAL BUTTON CONTROLLER

Slim and stylish with soft rounded edges, the Hartland CFX® range helps provide the finishing touch to any project. The face plates are firmly held in place to the back frame using the Hamilton CFX® clip system, concealing the fixings for a seamless finish.

- Lighting or audio controller
- Available in all Hartland CFX® plate finishes
- Concealed fixing
- Option to customise buttons to your requirements

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LIGHTING CONTROL

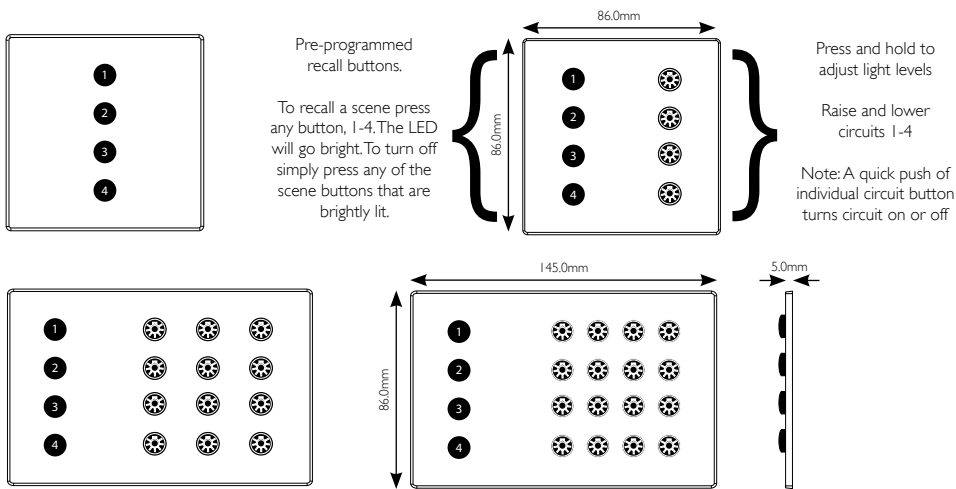
Control plate with white LED back light and IR receiver comes pre-set as a 4 button scene recall. Any button can be configured for any function with Mercury® designer software. Controllers will fit into any single wall box (BS4662) with a minimum depth of 35mm.

- Dim up and down - Power off
- 4 - 16 mechanical buttons
- 4 scene recall
- Engraved legend
- IR Receiver
- Available in all Hartland CFX® finishes, please see the Hartland CFX® brochure for more details.

Quick and simple to use

STORE SCENES AT THE TOUCH OF A BUTTON:

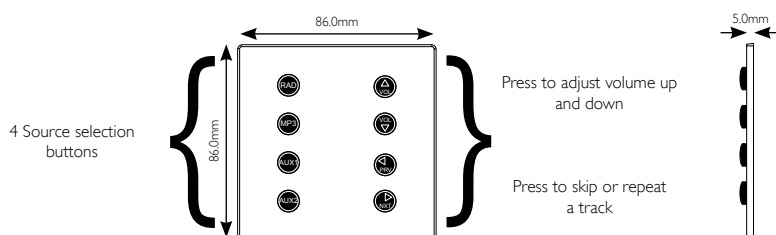
1. Adjust the lighting levels using the circuit buttons. A brief press will turn the lights on/off, a prolonged press will raise/lower the light level.
2. Once you've selected the desired light level for all four circuits press and hold down scene button one. The LED will flash five times. Keep your finger on the scene button until the LED stops flashing and goes solid briefly then goes out.
3. Your new scene is now stored. Repeat above to store further scenes on buttons 2,3 and 4. No commissioning work is required.



AUDIO CONTROL

Control plate with white LED back light and IR receiver. Controllers will fit into any single wall boxes (BS4662) with a minimum depth of 35mm.

- Volume (raise and lower)
- Next and previous
- Source selection, four options
- IR Receiver
- Available in all Hartland CFX® finishes. Please see the Hartland CFX® brochure for more details.



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Sheer CFX[®]

MECHANICAL BUTTON CONTROLLER

Sheer CFX[®] are simple and elegant, flat-plate switches and sockets. The range features Hamilton's patented CFX[®] four point face plate clipping system allowing concealed fixing for a clean and contemporary finish that looks stylish in any environment. Sheer CFX[®] also benefits from an integral gasket that forms part of the mounting frame. This is ideal for use on walls that are not perfectly flat.

- Lighting or audio controller
- Available in all Sheer CFX[®] plate finishes
- Concealed fixing
- Option to customise buttons to your requirements
- Integral gasket – ideal for uneven walls

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LIGHTING CONTROL

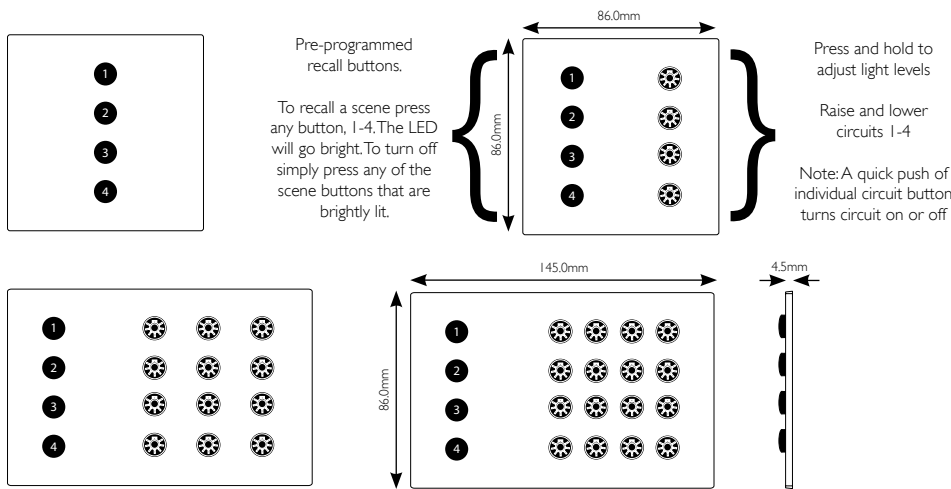
Control plate with white LED back light and IR receiver comes pre-set as a 4 button scene recall. Any button can be configured for any function with Mercury® designer software. Controllers will fit into any single wall box (BS4662) with a minimum depth of 35mm.

- Dim up and down - Power off
- 4 - 16 mechanical buttons
- 4 scene recall
- Engraved legend
- IR Receiver
- Available in all Sheer CFX® finishes, please see the Sheer CFX® brochure for more details.

Quick and simple to use

STORE SCENES AT THE TOUCH OF A BUTTON:

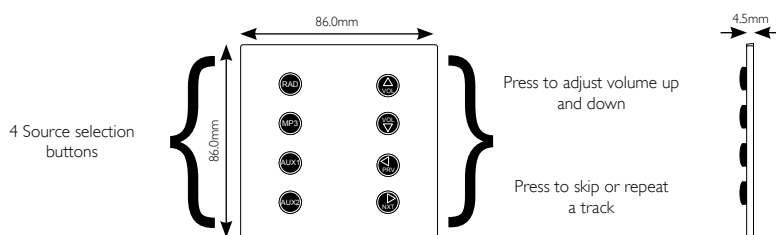
1. Adjust the lighting levels using the circuit buttons. A brief press will turn the lights on/off, a prolonged press will raise/lower the light level.
2. Once you've selected the desired light level for all four circuits press and hold down scene button one. The LED will flash five times. Keep your finger on the scene button until the LED stops flashing and goes solid briefly then goes out.
3. Your new scene is now stored. Repeat above to store further scenes on buttons 2,3 and 4. No commissioning work is required.



AUDIO CONTROL

Control plate with white LED back light and IR receiver. Controllers will fit into any single wall boxes (BS4662) with a minimum depth of 35mm.

- Volume (raise and lower)
- Next and previous
- Source selection, four options
- IR Receiver
- Available in all Sheer CFX® finishes. Please see the Sheer CFX® brochure for more details.





Linea-Rondo CFX[®]
Piano Black

MECHANICAL BUTTON CONTROLLER

Part of the Linea CFX[®] range, Linea-Rondo CFX[®] Piano Black is a modern, black glossy plate with a bright chrome frame. It has an appealing, sleek finish that is attractive and tactile. Linea CFX[®] has a separate back frame and uses the Hamilton patented face plate clipping system, giving a seamless and sophisticated finish.

- Lighting or audio controller
- Minimal depth and a modern look
- Concealed fixing
- Option to customise buttons to your requirements

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LIGHTING CONTROL

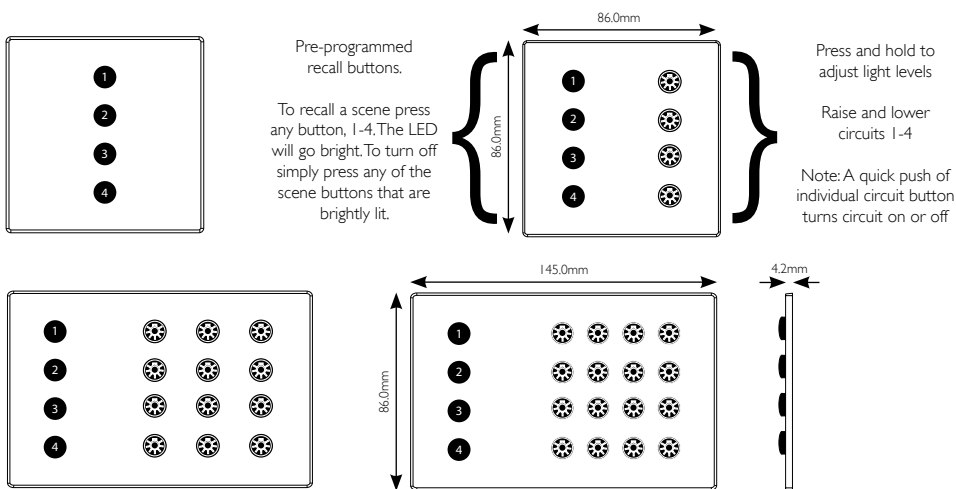
Control plate with white LED back light and IR receiver comes pre-set as a 4 button scene recall. Any button can be configured for any function with Mercury® designer software. Controllers will fit into any single wall box (BS4662) with a minimum depth of 35mm.

- Dim up and down - Power off
- 4 - 16 mechanical buttons
- 4 scene recall
- Engraved legend
- IR Receiver

Quick and simple to use

STORE SCENES AT THE TOUCH OF A BUTTON:

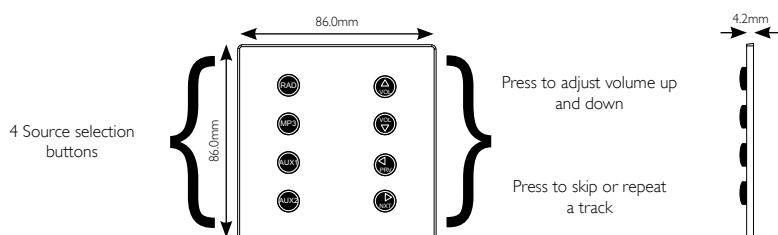
1. Adjust the lighting levels using the circuit buttons. A brief press will turn the lights on/off, a prolonged press will raise/lower the light level.
2. Once you've selected the desired light level for all four circuits press and hold down scene button one. The LED will flash five times. Keep your finger on the scene button until the LED stops flashing and goes solid briefly then goes out.
3. Your new scene is now stored. Repeat above to store further scenes on buttons 2,3 and 4. No commissioning work is required.



AUDIO CONTROL

Control plate with white LED back light and IR receiver. Controllers will fit into any single wall boxes (BS4662) with a minimum depth of 35mm.

- Volume (raise and lower)
- Next and previous
- Source selection, four options
- IR Receiver
- Available in the Linea-Rondo CFX® Piano Black range. Please see the Linea-Rondo CFX® Piano Black brochure for more details.





Linea-Vetro CFX®

CAPACITIVE TOUCH CONTROLLER

Part of the Linea CFX® range, Linea-Vetro CFX® is a contemporary glass plate, giving a sleek finish that is attractive and tactile. Linea CFX® has a separate back frame and the Hamilton patented face plate clipping system, gives a seamless and sophisticated finish.

- Lighting or audio controller
- Concealed fixing
- Available in various frame styles and coloured glass plates
- Option to customise touch switches to your requirements

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LIGHTING CONTROL

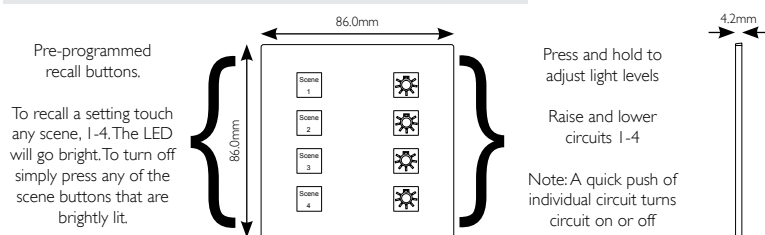
Capacitive touch, glass control plate, based on technology gained in the smart phone market. White LED buttons can be configured for any function with Mercury® designer software. Controllers will fit into any single wall box (BS4662) with a minimum depth of 35mm.

- 8 capacitive touch switches with white LED
- Engraved legends
- 4 scene selection
- IR Receiver
- Dim up and down/Power off
- Available in various colours
- Available in the Linea-Duo frame style

Quick and simple to use

STORE SCENES AT A TOUCH:

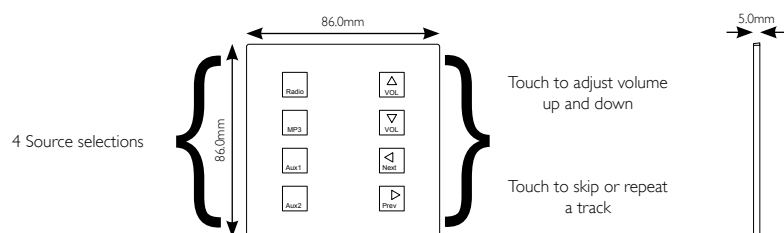
1. Adjust the lighting levels by touching the plate. A brief press will turn the lights on/off, a prolonged press will raise/lower the light level.
2. Once you've selected the desired light level for all four circuits. Touch and hold scene one. The LED will flash five times. Keep your finger on the scene until the LED stops flashing and goes solid briefly then goes out.
3. Your new scene is now stored. Repeat above to store further scenes 2,3 and 4. No commissioning work is required.



AUDIO CONTROL

Capacitive touch, glass control plate, based on technology gained in the smart phone market, with white LED. Controllers will fit into any single wall boxes (BS4662) with a minimum depth of 35mm.

- 8 capacitive touch switches with white LED
- Source selection, four options
- IR Receiver
- Volume up and down
- Next and previous
- Available in various colours
- Available in the Linea-Duo, Linea-Rondo and Linea-Scala frame style



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IR REMOTE CONTROL

Credit card sized convenient IR remote control. For use with both audio and lighting systems giving individual channel lighting control and scene recall options, volume raise and lower, skip and repeat.

Range:	20-30ft (6-9m) Standard	Storage Temp.:	-40°C to +70°C
Case Material:	ABS Plastic	Dimensions:	94 x 60 x 8 mm
Keypad Material:	Membrane	Power Supply:	1xCR2025 Lithium Coin Battery
Infrared Frequency:	38KHz others available	Power Consumption:	Approx. 50mA at IR transmit
Humidity Range:	10% to 90% non-condensing		
Operating Temp.:	+5°C to +40°C		

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Mercury Dimmer Packs

Code	Remote Dimmer Packs
MDP4X600+VFR	Mercury 4 x 600W volt free relay dimmer pack
MRP4X10A+VFR	Mercury 4 x 10A volt free relay, relay pack

Mechanical Button Control Plates will fit into any single wall boxes (BS4662) with a minimum depth of 35mm

4S	4S + 4C	4S + 8C	4S + 12C
4 button control plate has 4 button scene recall + LED (slave to be used in conjunction with master scene set)	8 button control plate has 4 scene recall buttons + 4 momentary circuit control all with LED indication + Infra Red	12 button control plate has 4 scene recall buttons + 8 momentary circuit control all with LED indication + Infra Red	16 button control plate has 4 scene recall buttons + 12 momentary circuit control all with LED indication + Infra Red

Hartland CFX® and Sheer CFX® Control Plates

Code	Mechanical Button Controller
??? 4S - ##	Four button controller
??? 4S+4C - ##	Eight button controller
??? 4S+8C - ##	Twelve button controller
??? 4S+12C - ##	Sixteen button controller

Hamilton Product Codes

When ordering a product from this brochure please specify our product codes. Replace ??? with plate prefix and replace ## with button suffix (as shown below)

e.g.

Plate Prefix	Product	Button Suffix
77C	4S+4C	- SV

Hartland CFX	Sheer CFX	Plate Finish	Button Suffix
Plate Prefix	Plate Prefix		
71C	81C	Polished brass	BL
72C	82C	Satin brass	BL
74C	84C	Stainless steel	SV
77C	87C	Bright chrome	SV
78C	88C	Black nickel	BL
79C	79C	Antique brass	BL

Linea CFX®

Code	Mechanical Button Controller
??? 4S - □□	Four button controller
??? 4S+4C - □□	Eight button controller
??? 4S+8C - □□	Twelve button controller
??? 4S+12C - □□	Sixteen button controller

Hamilton Product Codes

When ordering a product from this brochure please specify our product codes. Replace ??? with style prefix and replace □□ with plate suffix (as shown below)

e.g.

Style Prefix	Product	Plate Suffix
LSX	4S+4C	- BC-BS

	Linea-Rondo CFX	Linea-Scala CFX	Linea-Duo CFX	Linea-Perlina CFX	Linea-Georgian CFX
Style Prefix	LRX	LSX	LD	LPX	LGX

		Front Finish							
		Polished brass/black buttons	Satin brass/black buttons	Antique brass/black buttons	Bright steel/silver buttons	Satin steel/silver buttons	Black nickel/black buttons	Piano black/black buttons	
Frame Finish	Polished brass	PB-PB	PB-SB	PB-AB	PB-BS	PB-SS			
	Satin brass		SB-SB			SB-SS			
	Antique brass		AB-SB	AB-AB					
	Bright chrome	BC-PB			BC-BS	BC-SS	BC-BK	BC-N	
	Satin nickel				SN-BS	SN-SS			
	Black nickel	BK-PB			BK-BS		BK-BK		

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Capacitive touch control plates will fit into any single wall boxes (BS4662) with a minimum depth of 35mm

CPT4+4
<p>8 capacitive touch switch control plate, dim up and down/power off, 4 scene selection with IR receiver</p>

Linea-Vetro CFX®

Vetro Glass Plate Colour	Code		
	Linea-Duo Vetro CFX®	Linea-Rondo Vetro CFX®	Linea-Scala Vetro CFX®
Black	LD 4S+4C BC-VB	LRX 4S+4C BC-VB	LSX 4S+4C BC-VB
White	LD 4S+4C BC-VW	LRX 4S+4C BC-VW	LSX 4S+4C BC-VW

Infra-red remote control

Code	Remote control handset
DMIRT	Credit card sized IR controller

Mercury DK1 Kit

Code	DK1 Kit
??? DK1	Mercury 4 x 600W volt free relay dimmer pack IR Remote 4S+4C Control plate

Hamilton Product Codes

When ordering a product from this brochure please specify our product codes. Replace ??? with plate prefix (as shown below)

e.g. Plate Prefix Product
 77C DK1

Hartland CFX and Sheer CFX Control Plates

Hartland CFX	Sheer CFX	Plate Finish	Button Suffix
71C	81C	Polished brass	BL
72C	82C	Satin brass	BL
74C	84C	Stainless steel	SV
77C	87C	Bright chrome	SV
78C	88C	Black nickel	BL
79C	79C	Antique brass	BL

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