

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

*The*  
**Hamilton**<sup>®</sup>  
*Collection*  
*excellence and elegance...*

electrical wiring accessories • audio and lighting controls

# Hamilton Technical Specification

## ROCKER SWITCHES/KEY SWITCHES

### CATEGORY:

#### 10AX ROCKER SWITCH

**Current Rating:** 10AX  
**Max Load:** 10 Amp inductive

**Technical Insert Ref: Description:**

R21	1 gang 10AX 2 way Rocker
R22	2 gang 10AX 2 way Rocker
R23	3 gang 10AX 2 way Rocker
R24	4 gang 10AX 2 way Rocker
R26	6 gang 10AX 2 way Rocker
R31	1 gang 10AX Intermediate Rocker
R32	2 gang 10AX Intermediate Rocker
RRT	1 gang 10AX Push to Make Retractive Rocker
GRRT	1 gang 10AX PTM/PTB Retractive Rocker

#### GRID-IT 10AX ROCKER SWITCH MODULES

GRR2W	1 gang 10AX Retractive 2 way and Off Rocker
GR21	1 gang 10AX 2 way Rocker
GRRT	1 gang 10AX PTM/PTB Retractive Rocker

#### GRID-IT 20AX ROCKER SWITCH MODULES

**Current Rating:** 20AX  
**Max Load:** 20 Amp inductive

GR2WO	1 gang 20AX Non-Retractive 2 way & Off Rocker
GR212	1 gang 20AX 2 way Rocker
GR312	1 gang 20AX Intermediate Rocker

#### 20AX ROCKER SWITCH

**Current Rating:** 20AX  
**Max Load:** 20 Amp inductive

**Technical Insert Ref: Description:**

R212	1 gang 20AX 2 way Rocker
R222	2 gang 20AX 2 way Rocker
R232	3 gang 20AX 2 way Rocker
R242	4 gang 20AX 2 way Rocker
R312	1 gang 20AX Intermediate Rocker
R322	2 gang 20AX Intermediate Rocker

#### 20AX KEY SWITCH

K21	1 gang 20AX 2 way Key Switch
KEL	1 gang 20AX 2 way Key Switch "EMG LTG TEST"

#### GRID-IT 20AX KEY SWITCH MODULE

GK21	1 gang 20AX 2 way Key Switch
GKEL	1 gang 20AX 2 way Key Switch "EMG LTG TEST"

**Note:** For Double Pole Key Switch please see the Double Pole Switch page.

### TECHNICAL SPECIFICATION:

**Voltage:** 220/250V AC  
**IP Rating:** IP2XD  
**Switched Poles:** Single  
**Contact Gap Minimum:** 3mm  
**Product Class 1:** Must be earthed  
**GRID-IT Product Class 1:** Face plate must be earthed

**Ambient Operating Temperature:** -5 to +40 C  
**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

#### STANDARDS:

**BS EN ISO Standard:** BS EN 60669-1

### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity 10AX	5	4	1	1	1
Earth Terminal Capacity 10AX	5	4	3	1	1
Terminal Capacity 20AX	5	4	2	2	1
Earth Terminal Capacity 20AX	6	5	3	2	1

Fixing Centres:

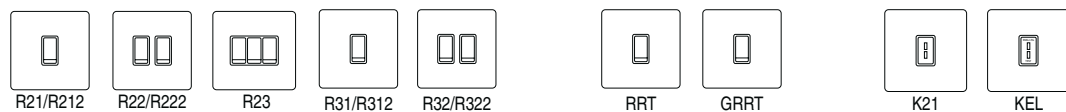
#### 2 WAY ROCKER

#### INTERMEDIATE ROCKER

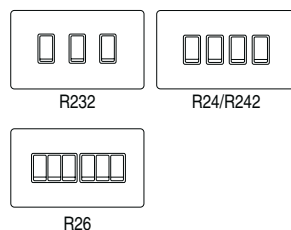
#### PUSH TO MAKE ROCKER

#### KEY SWITCH

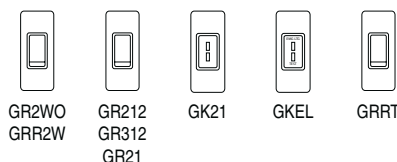
60.3mm



120.6mm



#### GRID-IT SWITCH INSERTS Fits 1 Grid-IT aperture



# Hamilton Technical Specification

## TOGGLE AND BELL PUSH SWITCHES

### CATEGORY:

#### 20AX TOGGLE SWITCH

**Current Rating:** 20AX  
**Max Load:** 20 Amp inductive

**Technical Insert Ref: Description:**

T21	1 gang 20AX 2 way Toggle
T22	2 gang 20AX 2 way Toggle
T23	3 gang 20AX 2 way Toggle
T24	4 gang 20AX 2 way Toggle
T31	1 gang 20AX Intermediate Toggle
T32	2 gang 20AX Intermediate Toggle Only available in the Bloomsbury Range
TDP	1 gang 20AX Double Pole Toggle *Switched Poles: Double

#### 10AX RETRACTIVE TOGGLE SWITCH

**Current Rating:** 10AX  
**Max Load:** 10 Amp inductive

**Technical Insert Ref: Description:**

TRT	1 gang 10AX Push to Make/Break Retractive Toggle
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#### 6AMP BELL PUSH SWITCH Only available in the Bloomsbury range

**Current Rating:** 6 Amp  
**Max Load:** 6 Amp

**Technical Insert Ref: Description:**

BPM	1 gang 240V AC6A Bell Push
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### TECHNICAL SPECIFICATION:

**Voltage:** 220/250V AC  
**IP Rating:** IP2XD  
**Switched Poles:** Single\*  
**Contact Gap Minimum:** 3mm  
**Product Class 1:** Must be earthed  
**Ambient Operating Temperature:** -5 to +40 C

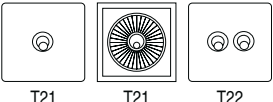
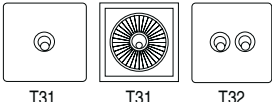
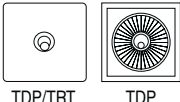

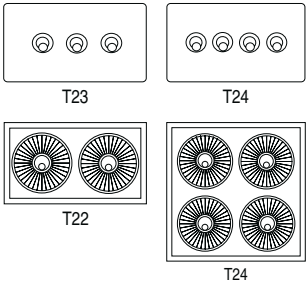
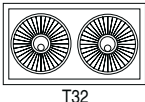
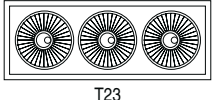

**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

#### STANDARDS:

**BS EN ISO Standard:**  
 Toggle Switch BS EN 60669-1  
 Bell Push BS EN 60669-1

### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	5	4	2	2	1
Earth Terminal Capacity	6	5	3	2	1

Fixing Centres:	2 WAY TOGGLE	INTERMEDIATE TOGGLE	DOUBLE POLE & RETRACTIVE	BELL PUSH SWITCH
60.3mm	 <p>T21 T21 T22</p>	 <p>T31 T31 T32</p>	 <p>TDP/TRT TDP</p>	 <p>BPM</p>
120.6mm	 <p>T23 T24</p> <p>T22 T24</p>	 <p>T32</p>		
182mm	 <p>T23</p>			 <p>Bloomsbury Range</p>

# Hamilton Technical Specification

## DOUBLE POLE ROCKER SWITCHES/KEY SWITCHES

### CATEGORY:

#### 20AX DOUBLE POLE ROCKER SWITCH

**Current Rating:** 20AX  
**Max Load:** 20 Amp inductive

**Technical Insert Ref: Description:**

DP 1 gang 20AX Double Pole Rocker  
 DPN 1 gang 20AX Double Pole Rocker + Neon  
 DPNC 1 gang 20AX Double Pole Rocker + Neon  
 + Cable Outlet

#### GRID-IT 20AX DOUBLE POLE ROCKER SWITCH MODULE

GDP 1 gang 20AX Double Pole Rocker

#### GRID-IT 20AX DP KEY SWITCH MODULE

GKDP 20AX Double Pole Key Switch

#### 45 AMP DOUBLE POLE ROCKER SWITCH

**Current Rating:** 45 Amp  
**Max Load:** 45 Amp

**Technical Insert Ref: Description:**

45 1 gang 45A Double Pole Red Rocker  
 45N 1 gang 45A Double Pole Red Rocker + Neon  
 45V 1 gang 45A Double Pole Red Rocker + Neon,  
 Vertically Mounted

#### 45 AMP ROCKER SWITCH WITH 13AMP SOCKET

**Current Rating:** Switch 45 Amp/Socket 13 Amp  
**Max Load:** Switch 45 Amp/Socket 13 Amp

**Technical Insert Ref: Description:**

45SS1 1 gang 45A Double Pole Red Rocker +  
 Neon + 13A Switched Socket

### TECHNICAL SPECIFICATION:

**Voltage:** 220/250V AC  
**IP Rating:** IP2XD  
**Switched Poles:** Double  
**Contact Gap Minimum:** 3mm  
**Product Class 1:** Must be earthed  
**GRID-IT Product Class 1:** Face plate must  
 be earthed  
**Ambient Operating Temperature:** -5 to +40 C

**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

#### STANDARDS:

**BS EN ISO Standard:**  
 20AX/45Amp Double Pole Rocker BS EN 60669-1  
 Double Pole Rocker with Socket BS 4177

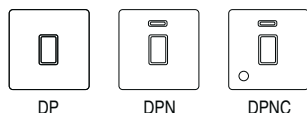
### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>
20AX Terminal Capacity			3	2	1		
20AX Earth Terminal Capacity	6	5	3	2	1		
45Amp Terminal Capacity					3	2	1
45Amp Earth Terminal Capacity					3	2	1
GDP/GKDP Terminal Capacity	5	4	2	1	1		
GDP/GKDP Earth Terminal Capacity	6	5	3	2	1		

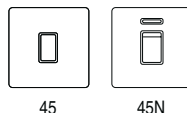
#### Fixing Centres:

60.3mm  
**DPNC Cable Outlet**  
**Size:** Min 0.75mm<sup>2</sup>  
 Max 2.5mm<sup>2</sup>

#### 20AMP DP ROCKER SWITCH



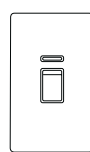
#### 45AMP DP ROCKER SWITCH



#### GRID-IT MODULE Fits 1 Grid-IT aperture

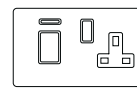


#### 120.6mm



45V  
 Vertically mounted

#### DP ROCKER WITH SOCKET



45SS1

# Hamilton<sup>®</sup> Technical Specification

## TRIPLE POLE FAN ISOLATOR

### CATEGORY:

#### FAN ISOLATOR

#### Technical Insert Ref: Description:

TP 1 gang 10A Triple Pole Fan Isolator

### TECHNICAL SPECIFICATION:

<b>Current Rating:</b>	10 Amp	<b>Location:</b>	Internal Use Only
<b>Voltage:</b>	220/250V AC	<b>Max Installation Altitude:</b>	2000m
<b>IP Rating:</b>	IP2XD	<b>STANDARDS:</b>	
<b>Max Load:</b>	10 Amp Resistive	<b>BS EN ISO Standard:</b>	BS EN 60669-1
<b>Switched Poles:</b>	Triple		
<b>Contact Gap Minimum:</b>	3mm		
<b>Product Class 1:</b>	Must be earthed		
<b>Ambient Operating Temperature:</b>	-5 to +40 C		

### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	5	4	1	1	1
Earth Terminal Capacity	5	4	3	1	1

### Fixing Centres: TRIPLE POLE FAN ISOLATOR

60.3mm



TP

# Hamilton Technical Specification

## HOTEL CARD SWITCHES

### CATEGORY:

#### HOTEL CARD SWITCH

**Current Rating:** 10A (6AX)  
**Max Load:** 10 Amp (6 Amp inductive)  
**Technical Insert Ref: Description:**  
 C11 1 gang 10A (6AX) On/Off with Blue LED Locator  
 Suitable for 44mm and 54mm width key cards

#### EUROFIX CARD SWITCH

MOD-C11 1 gang 10A (6AX) On/Off with Blue LED Locator  
 Suitable for 44mm and 54mm width key cards

#### KNX BUS SYSTEM HOTEL CARD SWITCH

**Current Rating:** N/A  
**Max Load:** N/A  
**Technical Insert Ref: Description:**  
 CKNX 1 gang 12-24V AC/DC +/-10% On/Off with Blue LED Locator  
 Suitable for 44mm and 54mm width key cards

#### EUROFIX KNX BUS SYSTEM CARD SWITCH

MOD-CKNX 1 gang 12-24V AC/DC +/-10% On/Off with Blue LED Locator  
 Suitable for 44mm and 54mm width key cards

### TECHNICAL SPECIFICATION:

**Voltage:** 220/250V AC  
**KNX Voltage:** 12-24V AC/DC  
**IP Rating:** IP2XD  
**Switched Poles:** Single  
**Contact Gap Minimum:** 3mm  
**Product Class 1:** Must be earthed  
**Eurofix Product Class 1:** Face plate must be earthed

**Ambient Operating Temperature:** -5 to +40 C  
**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

### STANDARDS:

**BS EN ISO Standard:** BS EN 60669-2-3

### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	3	2	1		
Earth Terminal Capacity	5	4	3	1	1

Fixing Centres:

#### CARD SWITCH/KNX

#### GRID-IT CARD SWITCH/KNX

60.3mm



C11/CKNX

Fits into one Euro2 aperture



MOD-C11  
MOD-CKNX

# Hamilton Technical Specification

## SWITCHED SOCKETS

### CATEGORY:

#### SWITCHED SOCKETS

**Technical Insert Ref: Description:**

SS1	1 gang 13A Double Pole Switched Socket
SS2	2 gang 13A Double Pole Switched Socket

#### GRID-IT SWITCHED SOCKETS MODULES

**Technical Insert Ref: Description:**

GSS1	1 gang 13A Double Pole Switched Socket
GSS2	2 gang 13A Double Pole Switched Socket

### TECHNICAL SPECIFICATION:

<b>Current Rating:</b>	13 Amp
<b>Voltage:</b>	220/250V AC
<b>IP Rating:</b>	IP2XD
<b>Max Load:</b>	13 Amp
<b>Switched Poles:</b>	Double
<b>Contact Gap Minimum:</b>	3mm
<b>Product Class 1:</b>	Must be earthed
<b>GRID-IT Product Class 1:</b>	Face plate must be earthed

<b>Ambient Operating Temperature:</b>	-5 to +40 C
<b>Location:</b>	Internal Use Only
<b>Max Installation Altitude:</b>	2000m

#### STANDARDS:

<b>BS EN ISO Standard:</b>	BS 1363-2 Inc. amendment 1,2,3
<b>ASTA Licence No:</b>	1046 (Box fix only)

### TERMINAL CAPACITY:

	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup> Multi-Strand	10mm <sup>2</sup>
Terminal Capacity	4	3	2	1
Earth Terminal Capacity	4	3	2	1

#### Fixing Centres:

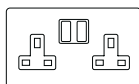
#### 13A SWITCHED SOCKETS

60.3mm



SS1

120.6mm



SS2

#### Fixing Centres:

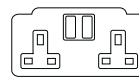
#### GRID-IT SWITCHED SOCKETS MODULES

60.3mm grid to wall box  
49.2mm plate to grid



GSS1

120.6mm grid to wall box  
106.5mm plate to grid



GSS2

# Hamilton Technical Specification

## UNSWITCHED SOCKETS

### CATEGORY:

#### 2A UNSWITCHED SOCKETS AND FLOOR SOCKETS

**Current Rating:** 2 Amp

**Max Load:** 2 Amp

**Technical Insert Ref: Description:**

US2 1 gang 2A Unswitched Socket

#### 5A UNSWITCHED SOCKETS AND FLOOR SOCKETS

**Current Rating:** 5 Amp

**Max Load:** 5 Amp

**Technical Insert Ref: Description:**

US5 1 gang 5A Unswitched Socket

#### 13A UNSWITCHED SOCKETS AND FLOOR SOCKETS

**Current Rating:** 13 Amp

**Max Load:** 13 Amp

**Technical Insert Ref: Description:**

US13 1 gang 13A Unswitched Socket

US99 2 gang 13A Unswitched Socket

#### EUROFIX 13A UK UNSWITCHED SOCKET MODULE

MOD-ENG13A 1 gang 13A UK Unswitched Socket

### TECHNICAL SPECIFICATION:

**Voltage:** 220/250V AC  
**IP Rating:** IP2XD  
**Switched Poles:** None  
**Contact Gap Minimum:** None  
**Product Class 1:** Must be earthed  
**Ambient Operating Temperature:** -5 to +40 C

**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

#### STANDARDS:

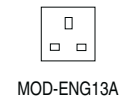
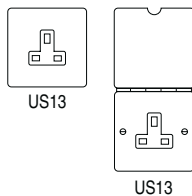
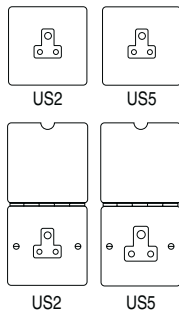
**BS EN ISO Standard:**  
 2A and 5A Unswitched BS 546  
 13A Unswitched BS 1363-2

### TERMINAL CAPACITY:

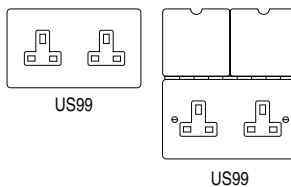
	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup> Multi-strand	10mm <sup>2</sup>
2A and 5A Terminal Capacity	5	4	2	1		
2A and 5A Earth Terminal Capacity	5	4	2	1		
13A Terminal Capacity			5	3	2	1
13A Earth Terminal Capacity			5	3	2	1

### Fixing Centres: 2A & 5A UNSWITCHED SOCKETS 13A UNSWITCHED SOCKETS EUROFIX UNSWITCHED SOCKET MODULE

60.3mm



120.6mm





# Hamilton Technical Specification

## INTERNATIONAL UNSWITCHED SOCKETS

### CATEGORY:

#### AMERICAN SOCKETS - NEMA 5

**Current Rating:** 15 Amp  
**Max Load:** 15 Amp  
**Voltage:** 110V AC

**Technical Insert Ref: Description:**

5258 1 gang 15A Unswitched American Socket  
 5320 2 gang 15A Unswitched American Socket

#### EUROFIX AMERICAN SOCKET MODULE

MOD-USA 15A 1 gang 15A Unswitched American Socket

#### EUROFIX UNIVERSAL SOCKET MODULE

**Current Rating:** 13 Amp  
**Max Load:** 13 Amp

MOD-UNI 13A 1 gang 13A Universal Unswitched Socket

#### SCHUKO SOCKETS - CE7/4 AND FLOOR SOCKET

**Current Rating:** 10/16 Amp  
**Max Load:** 16 Amp  
**Voltage:** 220/250V AC

**Technical Insert Ref: Description:**

6126 1 gang 16A Unswitched German Sockets  
 26126 2 gang 16A Unswitched German Sockets

#### EUROFIX GERMAN SOCKET MODULE

MOD-GER16A 1 gang 16A Unswitched German Socket

### TECHNICAL SPECIFICATION:

**IP Rating:** IP2XD  
**Switched Poles:** None  
**Contact Gap Minimum:** None  
**Product Class 1:** Face plate must be earthed

**Ambient Operating Temperature:** -5 to +40 C  
**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

#### STANDARDS:

**BS EN ISO Standard:** BS 5733  
 IEC 60884-1

### TERMINAL CAPACITY:

	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup> Multi-stranded	10mm <sup>2</sup>
13A and 16A Socket	3	3	2	1
15A Universal Socket Module	3	2	1	

### Fixing Centres:

	AMERICAN SOCKETS	SCHUKO SOCKETS	SCHUKO FLOOR SOCKETS	SOCKET MODULES
60.3mm	5258	6126*	6126*	MOD-USA MOD-UNIV* MOD-GER16A*
120.6mm	5320	26126*	26126*	*Requires 47mm deep mounting box



5258



6126\*



6126\*



6126\*



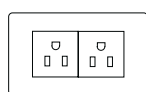
MOD-USA



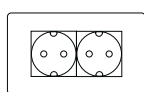
MOD-UNIV\*



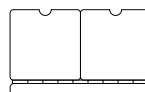
MOD-GER16A\*



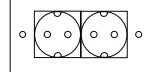
5320



26126\*



26126\*



26126\*

\*Requires 47mm deep mounting box

### Information relating to usage for non-uk sockets

- It is permissible to sell and/or install non-UK BS type power sockets in the United Kingdom.
- It is the responsibility of the electrical contractor/installer to ensure that these products are installed correctly.
- The installation must be signed off by a qualified installer as a deviation to BS7671 wiring regulations.
- As these products fall outside the standards specified within the wiring regulations, additional measures must be taken to ensure safe, appropriate installation is effected.

# Hamilton Technical Specification

## DUAL VOLTAGE SHAVER SOCKET

### CATEGORY:

#### SHAVER SOCKET

#### Technical Insert Ref: Description:

SHS Shaver Dual Voltage Unswitched Socket (Vertically Mounted)

### TECHNICAL SPECIFICATION:

**Current Rating:** 20VA  
**Voltage:** 220/250V AC  
**Max Load Output:** 115/230V  
**Max Load Input:** 200/250V  
**IP Rating:** IP2XD  
**Switched Poles:** None  
**Contact Gap Minimum:** None  
**Product Class 1:** Must be earthed

**Ambient Operating Temperature:** -5 to +40 C  
**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

#### STANDARDS:

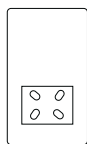
**BS EN ISO Standard:** BS EN 61558  
 BS 4573

### TERMINAL CAPACITY:

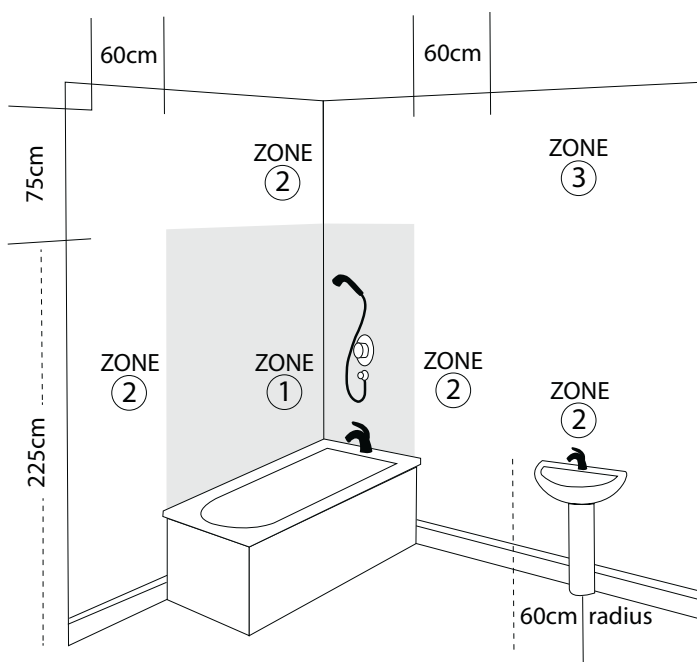
	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	5	4	3	2	1
Earth Terminal Capacity	9	6	4	2	1

### Fixing Centres: SHAVER SOCKET

120.6mm  
Vertically mounted



SHS



#### Bathroom Safety

**Note:** Generally, shaver sockets won't have an IP (ingress protection) rating, but if they comply with BS EN 61558 they can safely be installed in zone 2 - as long as they are away from the bath or shower unit and are unlikely to come into contact with shower spray.

# Hamilton Technical Specification

## UNSWITCHED SOCKETS Plus EURO4 aperture

### CATEGORY:

#### MEDIA PLATE

##### Technical Insert Ref: Description:

MED1	Media plate, Euro4 Apertured with 2 x 13A Unswitched Socket
MED2	Media plate, Euro4 Apertured with 4 x 13A Unswitched Socket

**SPECIAL NOTE :** When mains voltage and telecom/data/TV are mixed on the same plate a suitable phase barrier **MUST** be used in the wall box to shield the mains.

### TECHNICAL SPECIFICATION:

<b>Current Rating:</b>	13 Amp
<b>Voltage:</b>	220/250V AC
<b>Max Load Output:</b>	13 Amp Socket
<b>IP Rating:</b>	IP2XD
<b>Switched Poles:</b>	None
<b>Contact Gap Minimum:</b>	None
<b>Product Class 1:</b>	Must be earthed

<b>Ambient Operating Temperature:</b>	-5 to +40 C
<b>Location:</b>	Internal Use Only
<b>Max Installation Altitude:</b>	2000m

#### STANDARDS:

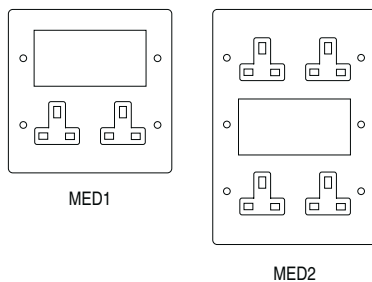
<b>BS EN ISO Standard:</b>	(Socket) BS 1363-2
----------------------------	--------------------

### TERMINAL CAPACITY:

	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup> Multi-Strand	10mm <sup>2</sup>
Terminal Capacity	5	3	2	1
Earth Terminal Capacity	5	3	2	1

Fixing Centres: **MEDIA PLATES** EURO4 Apertured with 13A Unswitched Socket

120.6mm



# Hamilton Technical Specification

## CONNECTION UNITS

### CATEGORY:

#### SWITCHED FUSED CONNECTION UNIT

**Technical Insert Ref: Description:**

SP	1 gang 13A Double Pole Fused Spur
SPN	1 gang 13A DP Fused Spur + Neon
SPNC	1 gang 13A DP Fused Spur + Neon + Cable Outlet

#### 13A FUSE WITH RED NEON HALO

FN	1 gang 13A Fuse with Red Neon Halo
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#### GRID-IT 13A FUSE WITH NEON HALO MODULE

GFN	13A Fuse with Neon Halo
-----	-------------------------

#### CABLE OUTLET

**Current Rating:** 20 Amp  
**Max Load:** 20 Amp  
**Switched Poles:** None  
**Contact Gap Min:** None

**Technical Insert Ref: Description:**

CO	Cable Outlet
----	--------------

#### GRID-IT CABLE OUTLET MODULE

GC20	Cable Outlet
------	--------------

#### UNSWITCHED CONNECTION UNIT

**Switched Poles:** None  
**Contact Gap Min:** None

**Technical Insert Ref: Description:**

FO	1 gang 13A Fuse Only
FOC	1 gang 13A Fuse + Cable Outlet

### TECHNICAL SPECIFICATION:

**Current Rating:** 13 Amp  
**Voltage:** 220/250V AC  
**Max Load:** 13 Amp  
**IP Rating:** IP2XD  
**Switched Poles (SP, SPN, SPNC):** Double  
**Contact Gap Minimum:** 3mm  
**Product Class 1:** Must be earthed  
**Grid-IT Product Class 1:** Face plate must be earthed  
**Ambient Operating Temperature:** -5 to +40 C

**Cable Outlet Size Flexible:** Min 0.75mm<sup>2</sup>  
 Max 2.5mm<sup>2</sup>  
**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

#### STANDARDS:

**BS EN ISO Standard:**  
 Switched Fuse/Unswitched Fuse with halo BS 1363-4  
 Fuse with halo BS 5733  
 Fuse with halo + fuselink BS 5733 and BS1362  
 Cable outlet BS 5733

### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Switched/Fuse + Halo Terminal Capacity			3	2	1
Switched/Fuse + Halo Earth Terminal Capacity	6	5	3	2	1
Cable Outlet Terminal Capacity	5	4	2	2	
Cable Outlet Earth Terminal Capacity	6	5	3	2	1
FO/FOC Terminal Capacity	5	4	3	1	1
FO/FOC Earth Terminal Capacity	6	5	3	2	1

Fixing Centres:

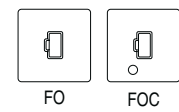
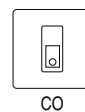
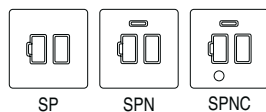
#### SWITCHED FUSE

#### FUSE WITH HALO

#### CABLE OUTLET

#### FUSE UNIT

60.3mm



Fits one Grid-IT aperture



# Hamilton Technical Specification

## TELEVISION COAXIAL AND DATA SOCKETS

### CATEGORY:

#### TV/DATA/TELEPHONE SOCKETS AND FLOOR SOCKETS

##### Technical Insert Ref: Description:

TV	1 gang Non-Isolated Television 1 In/1 Out
TV2	2 gang Non-Isolated Television 2 In/2 Out
TVFM	Isolated TV/FM Diplexer 1 In/2 Out
TVI	1 gang Isolated Television 1 In/1 Out
TVSAT	2 gang Non-Isolated TV + Satellite 2 In/2 Out
SATN	1 gang Non-Isolated Satellite
SATI	1 gang Isolated Satellite
J12	1 gang RJ12 Outlet Unshielded
2J12	2 gang RJ12 Outlet Unshielded
J45	1 gang RJ45 CAT 5E Outlet Unshielded
2J45	2 gang RJ45 CAT 5E Outlet Unshielded
TCS	1 gang Telephone Slave
TCM	1 gang Telephone Master

#### EUROFIX TV/DATA/TELEPHONE SOCKET MODULES

##### Technical Insert Ref: Description:

MOD-TV	1 gang Non-Isolated TV 1 In/1 Out
MOD-TV1	1 gang Isolated TV 1 In/1 Out
MOD-TVFM	Isolated TV/FM Diplexer 1 In/2 Out
MOD-SATI	1 gang Isolated Satellite
MOD-SATN	1 gang Non-Isolated Satellite
MOD-J12	1 gang RJ12 Outlet Unshielded
MOD-J45-C5	1 gang RJ45 CAT 5E Outlet Unshielded
MOD-J45-C6	1 gang RJ45 CAT 6 Outlet Unshielded
MOD-J45-C6S	1 gang RJ45 CAT 6S Outlet Shielded
MOD-TCS	1 gang Telephone Slave
MOD-TCM	1 gang Telephone Master

**MOD-CAT6A and MOD-CAT7 are available on request**

### TECHNICAL SPECIFICATION:

<b>IP Rating:</b>	IP2XD
<b>Product Class 1:</b>	Face plate must be earthed (ref BS7671 415.2.1)
<b>Ambient Operating Temperature:</b>	-5 to +40 C
<b>Location:</b>	Internal Use Only
<b>Max Installation Altitude:</b>	2000m

**Note:** Mains operated and extra low voltage products must not be installed in the same face plate aperture. When installing within the same back box phase barriers MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.

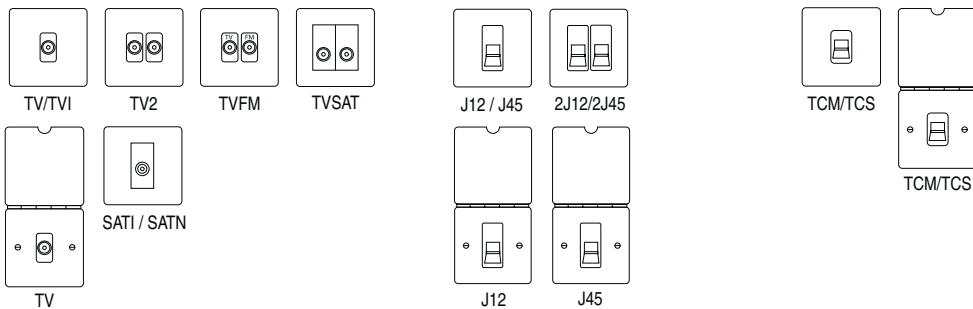
**Note for SATI only:** Isolated F-type satellite outlet, where a DC signal back to the LNB unit on the satellite dish is not required.

### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Earth Terminal Capacity	5	4	3	1	1

### Fixing Centres: TELEVISION COAXIAL DATA OUTLETS TELEPHONE SOCKET

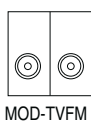
60.3mm



Fits one Euro1 aperture



Fits one Euro2 aperture



# Hamilton Technical Specification

## DIGITAL TELEVISION SOCKETS - Screened Non-Isolated, DAB compatible

### CATEGORY:

#### DIGITAL TV COAXIAL SOCKETS

##### Technical Insert Ref: Description:

DENT	Non-Isolated TV/FM/Satellite 1/Satellite 2 Quadplex 2 In/ 4 Out
DSAT+	Non-Isolated TV/FM/Satellite 1/Satellite 2 Quadplex 2 In/ 4 Out + TVF + TCS
DTRID	Non-Isolated TV/FM/Satellite Triplexer 1 In/3 Out
DSAT	1 gang Non-Isolated Satellite
DTVf	1 gang Non-Isolated TV (female)
DTVM	1 gang Non-Isolated TV (male)

#### EUROFIX MODULES

##### Technical Insert Ref: Description:

MOD-DENT	Non-Isolated TV/FM/Satellite 1/Satellite 2 Quadplex 2 In/ 4 Out
MOD-DSAT	1 gang Non-Isolated Satellite
MOD-DTRID	Non-Isolated TV/FM/Satellite Triplexer 1 In/3 Out
MOD-DTVf	1 gang Non-Isolated TV (female)
MOD-DTVM	1 gang Non-Isolated TV (male)

### TECHNICAL SPECIFICATION:

<b>IP Rating:</b>	IP2XD
<b>Product Class 1:</b>	Must be earthed (ref BS7671 415.2.1)
<b>Ambient Operating Temperature:</b>	-5 to +40 C
<b>Location:</b>	Internal Use Only
<b>Max Installation Altitude:</b>	2000m

**Note:** Mains operated and extra low voltage products must not be installed in the same face plate aperture. When installing within the same back box phase barriers MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.

### TERMINAL CAPACITY:

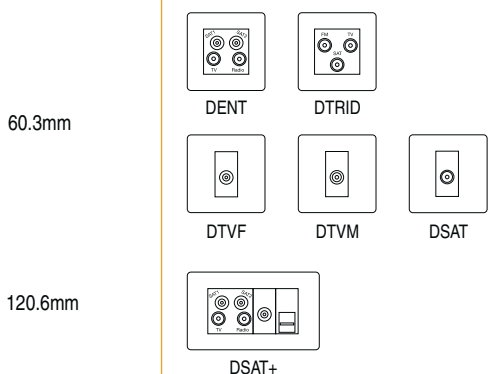
	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Earth Terminal Capacity	5	4	3	1	1

### FREQUENCIES:

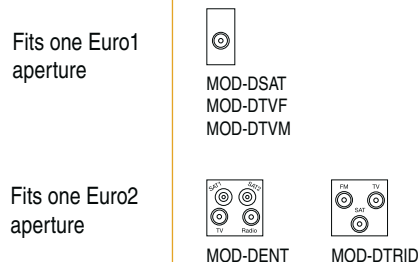
Module	Frequency 1	Frequency 2	Frequency 3	Frequency 4
DTVM	FM DC			
DSAT	SAT DC			
DTVf	TV DC			
DENT/DTRID/DSAT+	TV	FM	SAT DC	
	5-68 MHz	125-860 MHz	950-2200 MHz	
	88-108 MHz			
DSAT+	TV DC			
	5-2200 MHz			

### Fixing Centres:

#### DIGITAL TELEVISION SOCKETS



#### EUROFIX DIGITAL TV SOCKET MODULES



# Hamilton Technical Specification

## EUROFIX AV/AUDIO/HDMI

### CATEGORY:

#### EUROFIX AV/AUDIO/HDMI SOCKETS

**Technical Insert Ref: Description:**

MOD-BAN2	2 x Gold Binding Post Socket*
MOD-HDMI	HDMI Chassis Mounted Socket Type A* (Female Mounted, Female Free)
MOD-MP3	3.5mm Stereo Socket (MP3) Screened*
MOD-RCA1	1 x Gold Phone/Audio Socket**
MOD-RCA2	2 x Gold Phone/Audio Socket**
MOD-RCA3	3 x Gold Composite Video/Audio**
MOD-USBAFF	USB2 Panel Mounted Socket Type A* (Female Mounted, Female Free)
MOD-USBAFM	USB2 Panel Mounted Socket Type A* (Female Mounted, Male Free)

#### EUROFIX AV/AUDIO/HDMI SOCKETS

**Technical Insert Ref: Description:**

MOD-DIN25	D-Range PC Socket 25 Pin*
MOD-DIN9	D-Range PC Socket 9 Pin*
MOD-SVGA	D-Range SVGA Socket 15 Pin*

**Current Rating:** 15 Amp  
**Voltage:** 120VAC

MOD-XLR Latching Audio Connector 3 Pin XLR Socket\*

### TECHNICAL SPECIFICATION:

<b>IP Rating:</b>	IP2XD
<b>Ambient Operating Temperature:</b>	-5 to +40 C* -25 to +70 C**
<b>Location:</b>	Internal Use Only
<b>Max Installation Altitude:</b>	2000m

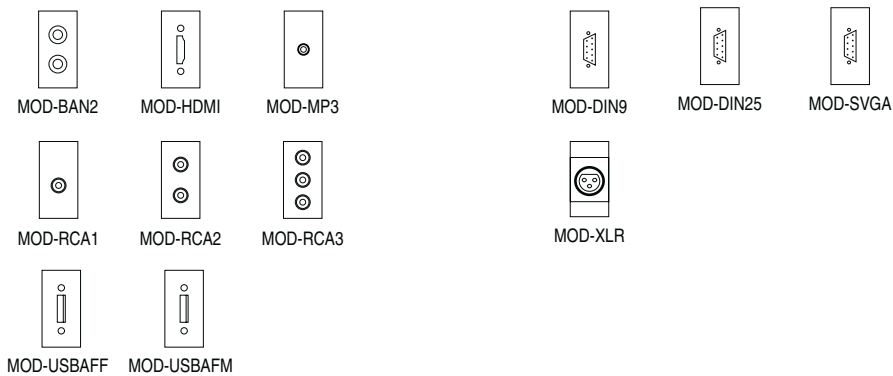
**Note:** Mains operated and extra low voltage products must not be installed in the same face plate aperture. When installing within the same back box phase barriers MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.

	Current Rating	Voltage
Eurofix D-range sockets	7.5amps per contact	300V
Eurofix Latching Audio Connector	15amp	120V AC

#### EUROFIX AV/AUDIO/HDMI MODULES

#### EUROFIX AUDIO SOCKET MODULES

Fits a Euro1 aperture



# Hamilton Technical Specification

## EUROFIX USB CHARGER MODULE

### CATEGORY:

#### EUROFIX USB CHARGER MODULE

Technical Insert Ref: Description:

MOD-USB Eurofix USB Charger Module

### TECHNICAL SPECIFICATION:

<b>Current Rating (at full load):</b>	0.3A Single 0.6A Twin	<b>Product Class 1:</b>	Must be earthed
<b>Current Rating (at standby):</b>	1.3m A Single 2.5m A Twin	<b>Ambient Operating Temperature:</b>	0 to +40 C
<b>Voltage:</b>	220/250V AC 47-53Hz	<b>Location:</b>	Internal Use Only
<b>Max Load Output:</b>	1.0A per socket	<b>Max Installation Altitude:</b>	2000m
<b>Output Voltage:</b>	5Vdc ± 5%	<b>STANDARDS:</b>	
<b>Contact Gap Minimum:</b>	5mm	<b>BS EN ISO Standard:</b>	BS EN 60950-1 BS EN 61000-6-1

	1.0mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Terminal Capacity	2	2	1

### EUROFIX USB CHARGER MODULE

Fits a Euro1 aperture



MOD-USB



# Hamilton Technical Specification

## LEADING EDGE DIMMER INFORMATION

### NOTES FOR DIMMERS

Note A	Tungsten filament GU10 lamps must be branded with a fuse base.
Note B	When using mains voltage halogen lamps - dimmers should be de-rated by 25%.
Note C	When using mains voltage halogen load transformers - maximum rating is 210VA.
Note D	To only be used with Touch Master Dimmers.
Note E	When dimming LED lamps de-rated by 75% - please contact our Technical Department for compatibility.

### Leading Edge Resistive Dimmers - METAL PLATES

Number of dimmer switches per plate	Nominal plate size mm	Dimmer type	Max plate load W (Watts)	Lamp type				
				Tungsten Filament including halogen		Linea Halogen	GU10 LED	
				Min	Max	Max	Min	Max
1	88x88	1 x 40	400	40	400	300	10	100
2	88x88	2 x 40	600	40	300	300	10	100
3	88x146	3 x 40	1200	40	400	300	10	100
4	88x146	4 x 40	1200	40	300	250	10	100
6	150x150	6 x 40	1800	40	300	250	10	100
8	150x150	8 x 40	1800	40	300	250	10	100
9	150x210	9 x 40	2250	40	250	250	10	100
12	150x210	12 x 40	2250	40	200	150	10	100
12	210x280	12 x 40	3600	40	300	200	10	100
16	210x280	16 x 40	3600	40	225	200	10	100
1	88x88	1 x 60	600	100	600	450	15	150
1	88x146	1 x 1K	1000	150	1000	750	25	250

### Leading Edge Resistive Dimmers - WOOD PLATES

Number of dimmer switches per plate	Nominal plate size mm	Dimmer type	Max plate load W (Watts)	Lamp type				
				Tungsten Filament including halogen		Linea Halogen	GU10 LED	
				Min	Max	Max	Min	Max
1	88x88	1 x 40	400	40	400	300	10	100
2	88x146	2 x 40	600	40	300	300	10	100
3	88x146	3 x 40	900	40	300	300	10	100
4	88x146	4 x 40	1000	40	250	200	10	100
6	150x150	6 x 40	1200	40	200	200	10	100
9	150x210	9 x 40	1800	40	200	200	10	100

### Leading Edge Resistive Dimmers - PLASTIC PLATES

Number of dimmer switches per plate	Nominal plate size mm	Dimmer type	Max plate load W (Watts)	Lamp type				
				Tungsten Filament including halogen		Linea Halogen	GU10 LED	
				Min	Max	Max	Min	Max
1	88x88	1 x 40	400	40	400	300	10	100
2	88x88	2 x 40	600	40	300	300	10	100
3	88x146	3 x 40	900	40	300	300	10	100
4	88x146	4 x 40	1000	40	250	250	10	100

# Hamilton Technical Specification

## LEADING EDGE INDUCTIVE PUSH ON/OFF DIMMERS

### CATEGORY:

#### 200VA INDUCTIVE DIMMER

See Notes for Dimmers: Note E

**Wattage:** 200VA (low voltage) per gang  
**Current Rating:** 0.8 Amp  
**Max Load:** 200VA (low voltage) per gang  
**Min Load:** 25VA

#### Technical Insert Ref: Description:

1X2V 1 gang 200VA 2 way  
 2X2V 2 gang 200VA 2 way

#### GRID-IT 200VA INDUCTIVE DIMMER MODULE

See Notes for Dimmers: Note E

1X2V 1 gang 200VA 2 way

#### 300VA INDUCTIVE DIMMER

See Notes for Dimmers: Note E

**Wattage:** 300VA (low voltage)  
**Current Rating:** 1.25 Amp  
**Max Load:** 300VA (low voltage)  
**Min Load:** 50VA

#### Technical Insert Ref: Description:

1X3V 1gang 300VA 2 way

### TECHNICAL SPECIFICATION:

**Voltage:** 220/250V AC  
**IP Rating:** IP2XD  
**Switched Poles:** Single  
**Contact Gap Minimum:** None

**Product Class 1:** Face plate must be earthed  
**Ambient Operating Temperature:** -5 to +40 C  
**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
200VA Terminal Capacity	2	2			
200VA Earth Terminal Capacity	5	4	3	1	1
300VA Terminal Capacity	2	2			
300VA Earth Terminal Capacity	5	4	3	1	1

LEADING EDGE TECHNOLOGY DIMMERS for use with low voltage toroidal transformers and some LED lamps.

Fixing Centres: **200VA INDUCTIVE DIMMER** **300VA INDUCTIVE DIMMER** **GRID-IT INDUCTIVE DIMMER MODULE**



**Note:** It is recommended to contact the manufacturer of the transformer to confirm that it is dimmable and is considered to be an inductive load.

# Hamilton Technical Specification

## LEADING EDGE PUSH ON/OFF RESISTIVE DIMMERS

### CATEGORY:

#### 400W PUSH ON/OFF RESISTIVE DIMMER

See Notes for Dimmers: Note A,B,E

**Wattage:** 400W  
**Current Rating:** 1.66 Amp  
**Max Load:** 400W Resistive per gang

**Technical Insert Ref: Description:**

1X40	1 gang 400W 2 Way
2X40	2 gang 400W 2 Way, max 300W per gang
3X40	3 gang 400W 2 Way
4X40	4 gang 400W 2 Way, max 300W per gang
WD2X40	2 gang 400W 2 way, max 300W per gang
W3X40	3 gang 400W 2 way, max 300W per gang
W4X40	4 gang 400W 2 way, max 250W per gang
P3X40	3 gang 400W 2 way, max 300W per gang
P4X40	4 gang 400W 2 way, max 250W per gang

#### GRID-IT 400W PUSH ON/OFF RESISTIVE DIMMER MODULE

See Notes for Dimmers: Note A,B,E

D40	1 gang 400W 2 way Switched Poles: not applicable* Contact Gap Minimum: 3mm**
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#### 600W PUSH ON/OFF RESISTIVE DIMMER

See Notes for Dimmers: Note A,B,E

**Wattage:** 600W  
**Current Rating:** 2.5 Amp  
**Max Load:** 600W Resistive per gang

**Technical Insert Ref: Description:**

1X60	1 gang 600W 2 Way
WD1X60	1 gang 600W 2 Way

#### 1KW PUSH ON/OFF RESISTIVE DIMMER

See Notes for Dimmers: Note A,B,E

**Wattage:** 1KW  
**Current Rating:** 4.16 Amp  
**Max Load:** 1KW Resistive per gang

**Technical Insert Ref: Description:**

1X1K	1 gang 1000W 2 Way
------	--------------------

### TECHNICAL SPECIFICATION:

**Voltage:** 220/250V AC  
**IP Rating:** IP2XD  
**Switched Poles:** Single\*  
**Contact Gap Minimum:** N/A\*\*  
**Product Class 1:** Face plate must be earthed  
**Ambient Operating Temperature:** -5 to +40 C



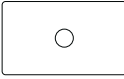
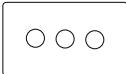

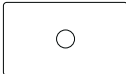


**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

#### STANDARDS:

**BS EN ISO Standard:** 400W/600W Resistive Dimmer BS EN 60669-2-1

### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	2	2			
Earth Terminal Capacity	5	4	3	1	1

Fixing Centres:	400W PUSH ON/OFF DIMMER	600W PUSH ON/OFF DIMMER	1KW PUSH ON/OFF DIMMER	GRID-IT 400W PUSH ON/OFF DIMMER MODULE
60.3mm	 1X40	 2X40	 1X60	
120.6mm	 3X40 / P3X40 W3X40	 4X40 / P4X40 W4X40	 1X1K	
	 WD2X40 Woods range			
Fits one Grid-IT aperture				 D40

# Hamilton Technical Specification

## TRAILING EDGE DIMMER INFORMATION

### NOTES FOR DIMMERS

Note A	Tungsten filament GU10 lamps must be branded with a fuse base.
Note B	When using mains voltage halogen lamps - dimmers should be de-rated by 25%.
Note C	When using mains voltage halogen load transformers - maximum rating is 210VA.
Note D	To only be used with Touch Master Dimmers.
Note E	When dimming LED lamps de-rated by 75% - please contact our Technical Department for compatibility.

### Trailing Edge Resistive Dimmers - METAL PLATES

Number of dimmer switches per plate	Nominal plate size mm	Dimmer type	Max plate load W (Watts)	Lamp type				
				Tungsten Filament including Halogen		Linea Halogen	GU10 LED	
				Min	Max	Max	Min	Max
1	88x88	1XTE, 1XTM	250	25	250	200	7	62
2	88x88	2XTE, 2XTM	500	25	250	200	7	62
3	88x146	3XTE, 3XTM	750	25	250	200	7	62
4	88x146	4XTE, 4XTM	1000	25	250	200	7	62
6	150x150	6XTE, 6XTM	1500	25	250	200	7	62
8	150x150	8XTE, 8XTM	1800	25	225	200	7	62
9	150x210	9XTE, 9XTM	2250	25	250	200	7	62
12	150x210	12XTE, 12XTM	2250	25	200	200	7	62
12	210x280	12XTE, 12XTM	3000	25	250	200	7	62
16	210x280	16XTE, 16XTM	3600	25	225	200	7	62

### Trailing Edge Resistive Dimmers - WOOD PLATES

Number of dimmer switches per plate	Nominal plate size mm	Dimmer type	Max plate load W (Watts)	Lamp type				
				Tungsten Filament including Halogen		Linea Halogen	GU10 LED	
				Min	Max	Max	Min	Max
1	88x88	1XTE	250	25	250	200	7	62
2	88x88	2XTE	400	25	200	200	7	62
3	88x146	3XTE	750	25	250	150	7	62
4	88x146	4XTE	800	25	200	150	7	62
6	150x150	6XTE	1200	25	200	150	7	62
8	150x150	8XTE	1600	25	200	150	7	62
9	150x210	9XTE	1800	25	200	150	7	62
12	150x210	12XTE	2250	25	200	150	7	62

### Trailing Edge Resistive Dimmers - PLASTIC PLATES

Number of dimmer switches per plate	Nominal plate size mm	Dimmer type	Max plate load W (Watts)	Lamp type				
				Tungsten Filament including Halogen		Linea Halogen	GU10 LED	
				Min	Max	Max	Min	Max
1	88x88	1XTE, 1XTM	250	25	250	200	7	62
2	88x88	2XTE, 2XTM	500	25	250	200	7	62
3	88x146	3XTE, 3XTM	750	25	250	150	7	62
4	88x146	4XTE, 4XTM	1000	25	250	150	7	62

# Hamilton Technical Specification

## TRAILING EDGE PUSH ON/OFF DIMMERS

### CATEGORY:

#### TRAILING EDGE DIMMER

See Notes for Dimmers: Note A,B, C, E

#### Technical Insert Ref: Description:

1XTE	1 gang 250W/210VA Multi-Way Dimmer
2XTE	2 gang 250W/210VA Multi-Way Dimmer
3XTE	3 gang 250W/210VA Multi-Way Dimmer
4XTE	4 gang 250W/210VA Multi-Way Dimmer
W2XTE	2 gang 250W/210VA Multi-Way Dimmer max 200W per gang
W4XTE	4 gang 250W/210VA Multi-Way Dimmer max 200W per gang

#### GRID-IT TRAILING EDGE DIMMER MODULE

See Notes for Dimmers: Note A,B, C, E

#### Technical Insert Ref: Description:

DTE	1 gang 250W/210VA Multi-Way Dimmer Module
-----	--

### TECHNICAL SPECIFICATION:

<b>Wattage:</b>	250W Resistive 210VA Inductive
<b>Current Rating:</b>	1.1 Amp per gang
<b>Max Load:</b>	250W Resistive 210VA Inductive
<b>Minimum Load:</b>	25W/25VA
<b>Voltage:</b>	220/250V AC
<b>IP Rating:</b>	IP2XD
<b>Switched Poles:</b>	Single

<b>Contact Gap Minimum:</b>	None
<b>Product Class 1:</b>	Face plate must be earthed
<b>Ambient Operating Temperature:</b>	-5 to +40 C
<b>Location:</b>	Internal Use Only
<b>Max Installation Altitude:</b>	2000m

#### STANDARDS:




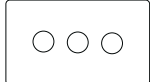

<b>BS EN ISO Standard:</b>	BS EN 60669-2-1
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### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	2	2			
Earth Terminal Capacity	5	4	3	1	1

TRAILING EDGE TECHNOLOGY DIMMERS. Are suitable for control of both resistive and inductive loads. When used for dimming low voltage electronic halogen transformers it must be noted that the dimmer controls the primary side of the transformer.

### Fixing Centres: TRAILING EDGE DIMMER GRID-IT TRAILING EDGE DIMMER MODULES

60.3mm	 1XTE	 2XTE W2XTE	Fits one Grid-IT aperture	 DTE
120.6mm	 3XTE	 4XTE W4XTE		

**Note:** For multi-way switching a push to make retractive switch should be installed in the other positions. (Note: standard two way switches will not work with this product).

# Hamilton Technical Specification

## TRAILING EDGE TOUCH DIMMERS

### CATEGORY:

#### TRAILING EDGE TOUCH MASTER MULTI-WAY DIMMER

See Notes for Dimmers: Note A,B,C,E

##### Technical Insert Ref: Description:

1XTM	1 gang 250W/210VA Multi-Way Touch Master
2XTM	2 gang 250W/210VA Multi-Way Touch Master
3XTM	3 gang 250W/210VA Multi-Way Touch Master
4XTM	4 gang 250W/210VA Multi-Way Touch Master

#### GRID-IT TOUCH MASTER MULTI-WAY DIMMER MODULE

See Notes for Dimmers: Note A,B,C,E

DTM	1 gang Multi-Way Touch Master Module
-----	--------------------------------------

#### TOUCH SLAVE CONTROLLER

See Notes for Dimmers: Note A,B,C,D

##### Technical Insert Ref: Description:

1XTS	1 gang 250W/VA Multi-Way Touch Slave
2XTS	2 gang 250W/VA Multi-Way Touch Slave
3XTS	3 gang 250W/VA Multi-Way Touch Slave
4XTS	4 gang 250W/VA Multi-Way Touch Slave

#### GRID-IT TOUCH SLAVE CONTROLLER MODULE

See Notes for Dimmers: Note A,B,C,D

DTS	1 gang Multi-Way Touch Slave Controller Module
-----	--

**Touch slave controllers to be used only with touch master dimmers.**

### TECHNICAL SPECIFICATION:

<b>Wattage:</b>	250W Resistive 210VA Inductive
<b>Current Rating:</b>	1.1 Amps
<b>Max Load:</b>	250W Resistive 210VA Inductive
<b>Minimum Load:</b>	25W/VA
<b>Voltage:</b>	220/250V AC
<b>IP Rating:</b>	IP2XD
<b>Product Class 1:</b>	Face plate must be earthed

<b>Ambient Operating Temperature:</b>	-5 to +40 C
<b>Location:</b>	Internal Use Only
<b>Max Installation Altitude:</b>	2000m

#### STANDARDS:

<b>BS EN ISO Standard:</b>	BS EN 60669-2-1
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### TERMINAL CAPACITY:

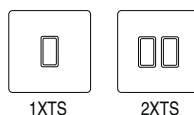
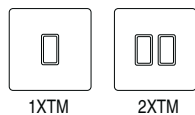
	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	2	2			
Earth Terminal Capacity	5	4	3	1	1

### Fixing Centres:

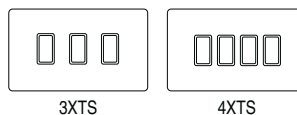
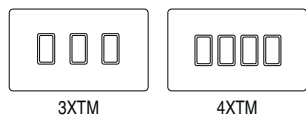
#### TOUCH MASTER DIMMER

#### TOUCH SLAVE CONTROLLER

60.3mm



120.6mm



#### GRID-IT TOUCH MASTER DIMMER MODULE

#### GRID-IT TOUCH SLAVE CONTROLLER MODULE

Fits 1 Grid-IT aperture



# Hamilton Technical Specification

## PUSH ON/OFF SWITCHES AND BALLAST CONTROLLER

### CATEGORY:

#### WHITE PLASTIC PUSH ON/OFF SWITCH

<b>Current Rating:</b>	5 Amps
<b>Voltage:</b>	230/240V AC
<b>Technical Insert Ref:</b>	<b>Description:</b>
1X5A	1 gang 5A Push On/Off Switch
2X5A	2 gang 5A Push On/Off Switch
3X5A	3 gang 5A Push On/Off Switch
4X5A	4 gang 5A Push On/Off Switch

#### GRID-IT PUSH ON/OFF SWITCH MODULES

<b>Current Rating:</b>	3 Amps
<b>Technical Insert Ref:</b>	<b>Description:</b>
DIP	3A Intermediate Push On/Off Module
<b>Current Rating:</b>	6 Amps
DPS	6A 2 way Push On/Off Switch Module

#### GRID-IT HIGH FREQUENCY BALLAST CONTROL MODULE

<b>Current Rating:</b>	1-10V
<b>Technical Insert Ref:</b>	<b>Description:</b>
DHF	1-10DC High Frequency Ballast Control Module (No Off)

**Note:** Normally used in conjunction with Hamilton 10 or 20amp rocker switch. The 1-10v module will not switch mains voltage. It is designed to control a 1-10volt signal only.

### TECHNICAL SPECIFICATION:

<b>Voltage:</b>	220/250V AC
<b>IP Rating:</b>	IP2XD
<b>Contact Gap Minimum:</b>	3mm
<b>Product Class 1:</b>	Face plate must be earthed
<b>Ambient Operating Temperature:</b>	-5 to +40 C

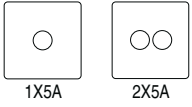

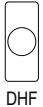
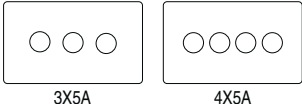
<b>Location:</b>	Internal Use Only
<b>Max Installation Altitude:</b>	2000m

#### STANDARDS:

<b>BS EN ISO Standard:</b>	BS EN 60669-1
Push on/off switch	

### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	2	2			
Earth Terminal Capacity	5	4	3	1	1

Fixing Centres:	PUSH ON/OFF SWITCH		GRID-IT PUSH ON/OFF SWITCH MODULE	GRID-IT HIGH FREQUENCY BALLAST CONTROL MODULE
60.3mm	 <p>1X5A      2X5A</p>	Fits 1 Grid-IT aperture	 <p>DIP /DPS</p>	 <p>DHF</p>
120.6mm	 <p>3X5A      4X5A</p>			

# Hamilton Technical Specification

## GRID-IT NEON AND NEON HALO MODULES

### CATEGORY:

#### GRID-IT NEON HALO MODULES

Technical Insert Ref:	Description:
GN	Neon Modules

#### GRID-IT NEON ONLY MODULES

Technical Insert Ref:	Description:
GNO	Neon Only Modules

### TECHNICAL SPECIFICATION:

<b>Voltage:</b>	220/250V AC
<b>IP Rating:</b>	IP2XD
<b>Product Class 1:</b>	Face plate must be earthed
<b>Ambient Operating Temperature:</b>	-5 to +40 C
<b>Location:</b>	Internal Use Only
<b>Max Installation Altitude:</b>	2000m

### STANDARDS:

<b>BS EN ISO Standard:</b>	BS 5733
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### TERMINAL CAPACITY:

	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	5	4	2	2	1
Earth Terminal Capacity	6	5	3	2	1

#### GRID-IT NEON HALO MODULES

Fits 1 Grid-IT aperture



GN

#### GRID-IT NEON ONLY MODULES



GNO

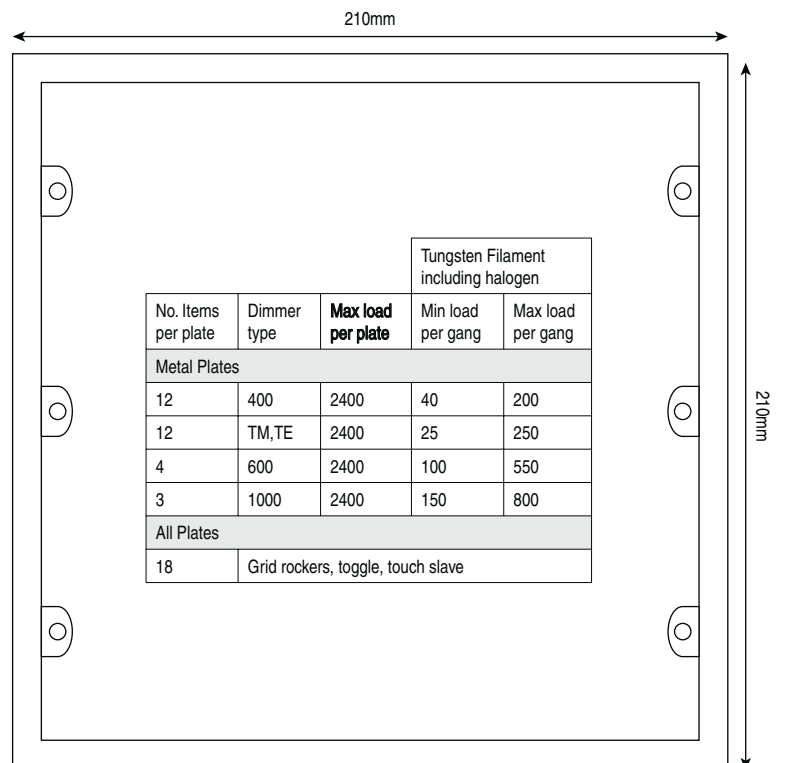
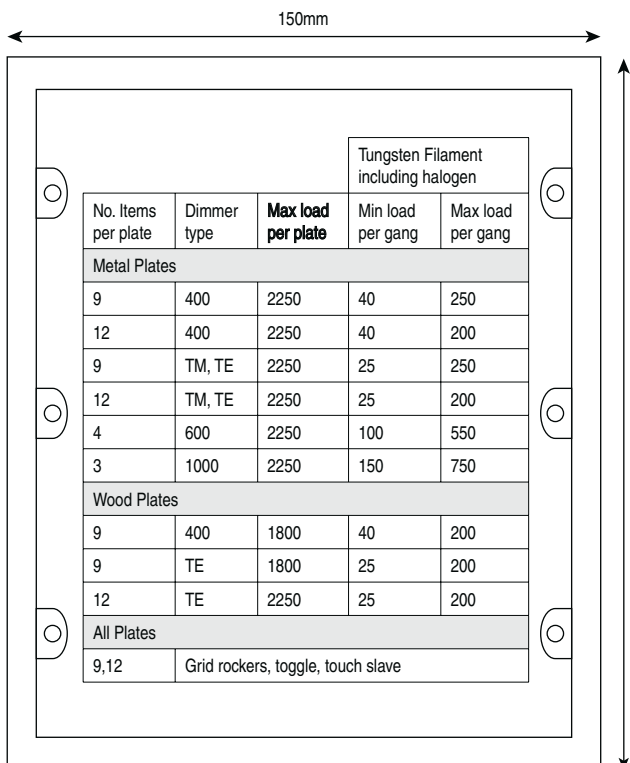
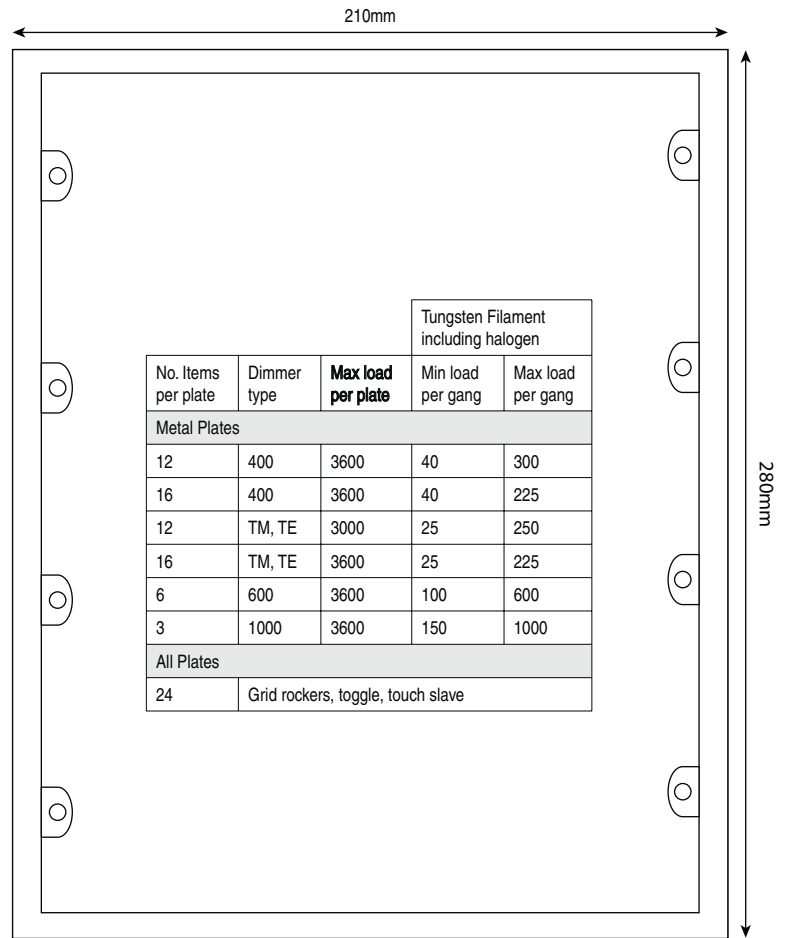
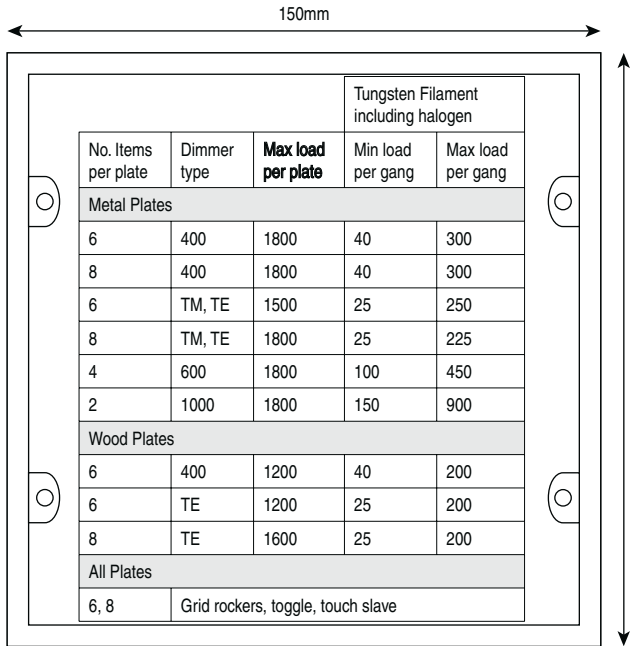


# Hamilton Technical Specification

## LARGE PLATES DIMENSIONS

Note: Large plastic not available in Perception CFX®, Hartland Colours CFX® White Plastic.

Note: You can mix 'n' match dimmers as long as you don't go over the maximum wattage for the plate.

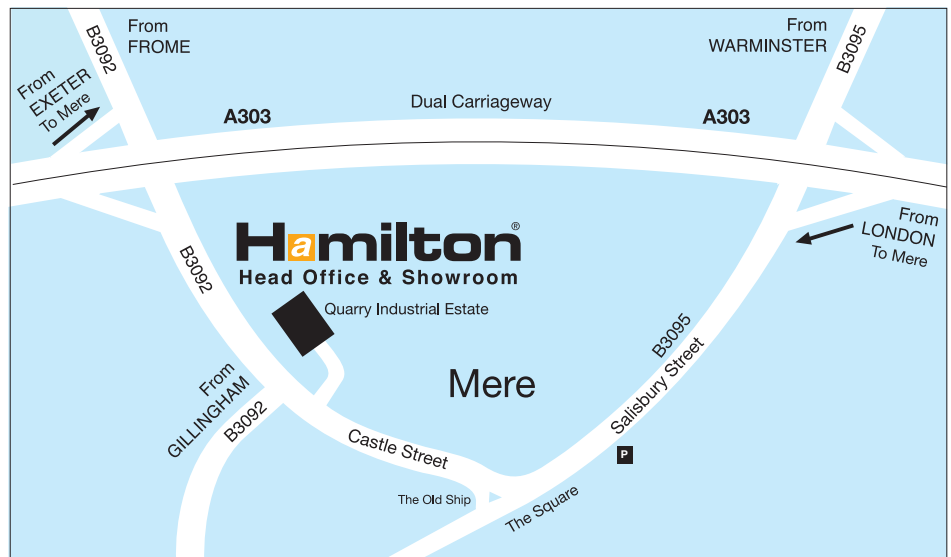


See dimmer information for Linea Halogen and GU10 LED

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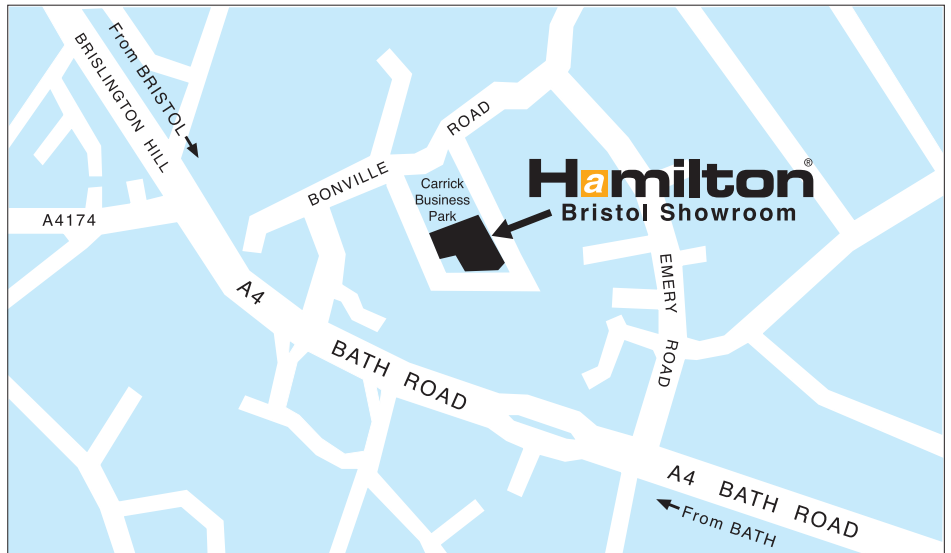
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