

# Hamilton® Giara VERDIGRIS CFX®

Luxury Italian Design Door Furniture with matching Concealed Fixing Electrical Wiring Accessories on exclusive Verdigris CFX® Finish Plates.

The ultimate for the classic interior of today.

Stunning Giara design in the stunning Verdigris finish.

Handmade to order.



7VC R22 BL-B



7VC SS2 BL-B



GM12- R12 VG

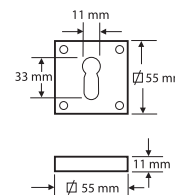
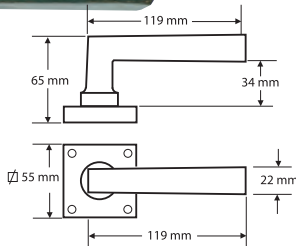


GB12-VG

**Hamilton®**  
*fashion, finish, function and flexibility*

# Hamilton® Giara VERDIGRIS CFX®

Luxury Italian Design Door Furniture  
in exclusive Verdigris finish



## Verdigris Handle

Handle Finish	Product Code
Verdigris	GM12-R12 VG

## Verdigris Key Plate

Key Plate Finish	Product Code
Verdigris	GB12-VG

# Giara VERDIGRIS CFX®

Luxury Italian Design Electrical Wiring  
Accessories on exclusive Verdigris finish



7VC R21 BL-B



7VC R22 BL-B



7VC SS2 BL-B

## Concealed Fixing Rocker Switches

Plate Finish	Insert Finish	Insert Surround Colour	1 gang 10AX 2 way Rocker	2 gang 10AX 2 way Rocker	3 gang 10AX 2 way Rocker	4 gang 10AX 2 way Rocker	6 gang 10AX 2 way Rocker
Verdigris	Black Plastic	Black	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R21</b> <b>Product Code</b>	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R22</b> <b>Product Code</b>	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R23</b> <b>Product Code</b>	Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R24</b> <b>Product Code</b>	Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R26</b> <b>Product Code</b>
			7VC R21 BL-B	7VC R22 BL-B	7VC R23 BL-B	7VC R24 BL-B	7VC R26 BL-B






## Concealed Fixing Rocker Switches

Plate Finish	Insert Finish	Insert Surround Colour	1 gang 10AX Intermediate Rocker	2 gang 10AX Intermediate Rocker	1 gang 10AX Push To Make/ Break Retractive Rocker	1 gang 10A Triple Pole Rocker
Verdigris	Black Plastic	Black	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R31</b> <b>Product Code</b>	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R32</b> <b>Product Code</b>	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>CFXRRT</b> <b>Product Code</b>	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>TP</b> <b>Product Code</b>
			7VC R31 BL-B	7VC R32 BL-B	7VC RRT BL-B	7VC TP BL-B


## Concealed Fixing Rocker Switches

Plate Finish	Insert Finish	Insert Surround Colour	1 gang 20AX 2 way Rocker	2 gang 20AX 2 way Rocker	3 gang 20AX 2 way Rocker	4 gang 20AX 2 way Rocker	1 gang 20AX Intermediate Rocker
Verdigris	Black Plastic	Black	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R212</b> <b>Product Code</b>	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R222</b> <b>Product Code</b>	Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R232</b> <b>Product Code</b>	Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R242</b> <b>Product Code</b>	Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>R312</b> <b>Product Code</b>
			7VC R212 BL-B	7VC R222 BL-B	7VC R232 BL-B	7VC R242 BL-B	7VC R312 BL-B

## Concealed Fixing Toggle Switches



Plate Finish	Insert Finish					
Verdigris	Black Nickel	<b>1 gang 20AX 2 way Toggle</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>T21</b> <a href="#">Product Code</a>	<b>2 gang 20AX 2 way Toggle</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>T22</b> <a href="#">Product Code</a>	<b>3 gang 20AX 2 way Toggle</b> Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>T23</b> <a href="#">Product Code</a>	<b>4 gang 20AX 2 way Toggle</b> Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>T24</b> <a href="#">Product Code</a>	<b>1 gang 20AX Intermediate Toggle</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>T31</b> <a href="#">Product Code</a>

## Concealed Fixing Key Switches


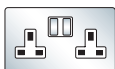

Plate Finish	Insert Finish	
Verdigris	Black Plastic	<b>1 gang 20AX 2 way Key Switch</b> Nominal Plate Size: 86 x 86 mm Minimum Wall Box Depth: 25 mm Technical Insert Reference: <b>K21</b> <a href="#">Product Code</a>

## Concealed Fixing Hotel Card Switch with LED


Adjustable Time Delay 10 seconds - 5 minutes.  
Suitable for 44 mm and 54 mm width Hotel Key Cards.

Plate Finish	Insert Finish	Insert Surround Colour		
Verdigris	Black Plastic	Black	<b>1 gang 10A (6AX) On/Off with Blue LED Locator</b> Nominal Plate Size: 86 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>C11</b> <a href="#">Product Code</a>	<b>1 gang 12-24V AC/DC +/-10% On/Off with Blue LED Locator (Suitable for KNX BUS System)</b> Nominal Plate Size: 86 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>CKNX</b> <a href="#">Product Code</a>







## Concealed Fixing Power Sockets

Plate Finish	Insert Finish	Insert Surround Colour			
Britannium	Black Plastic	Black	<b>1 gang 13A Double Pole Switched Socket</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>SS1</b> <a href="#">Product Code</a>	<b>2 gang 13A Double Pole Switched Socket</b> Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>SS2</b> <a href="#">Product Code</a>	<b>Shaver Dual Voltage Unswitched Socket</b> Nominal Plate Size: 86 x 145 mm Min. Wall Box Depth: 47 mm Technical Insert Reference: <b>SHS</b> <a href="#">Product Code</a>







## Concealed Fixing USB Power Sockets

Plate Finish	Insert Finish	
Britannium	Black Plastic	<b>2 gang Unswitched Socket + 2 x USB Charging Points</b> Nominal Plate Size: 86 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>USB99</b> <a href="#">Product Code</a>




## Concealed Fixing Power Sockets

Plate Finish	Insert Finish						
Britannium	Black Plastic	<b>1 gang 5A Unswitched Socket</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>US5</b> <a href="#">Product Code</a>	<b>1 gang 13A Unswitched Socket</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>US13</b> <a href="#">Product Code</a>	<b>2 gang 13A Unswitched Socket</b> Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>US99</b> <a href="#">Product Code</a>	<b>1 gang 16A German Unswitched Socket</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 47 mm Technical Insert Reference: <b>6126</b> <a href="#">Product Code</a>	<b>1 gang 15A American Unswitched Socket</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>5258</b> <a href="#">Product Code</a>	<b>2 gang 15A American Unswitched Socket</b> Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>5320</b> <a href="#">Product Code</a>




## Concealed Fixing Television Coaxial Sockets

Plate Finish	Insert Finish						
Verdigris	Black Plastic	<b>1 gang Non Isolated TV</b> 1 In/1 Out Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>TV</b> <a href="#">Product Code</a>	<b>Isolated TV/FM Diplexer</b> 1 In/2 Out Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>TVFM</b> <a href="#">Product Code</a>	<b>1 gang Isolated TV</b> 1 In/1 Out Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>TVI</b> <a href="#">Product Code</a>	<b>2 gang Non Isolated TV + Satellite</b> 2 In/2 Out Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>TVSAT</b> <a href="#">Product Code</a>	<b>1 gang Non Isolated Satellite</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>SATN</b> <a href="#">Product Code</a>	<b>1 gang Isolated Satellite</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>SATI</b> <a href="#">Product Code</a>
		7VC TV B	7VC TVFM B	7VC TVI B	7VC TVSAT B	7VC SATN B	7VC SATI B







## Concealed Fixing Digital Television Sockets - Screened Non Isolated - DAB Compatible

Plate Finish	Insert Finish			
Verdigris	Black Plastic	<b>Non Isolated TV/FM/Satellite Triplexer</b> 1 In/3 Out Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>DTRID</b> <a href="#">Product Code</a>	<b>1 gang Non Isolated TV (Female)</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>DTVF</b> <a href="#">Product Code</a>	<b>1 gang Non Isolated TV (Male)</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>DTVM</b> <a href="#">Product Code</a>
		7VC DTRID B	7VC DTVF B	7VC DTVM B




## Concealed Fixing Digital Television Sockets - Screened Non Isolated - DAB Compatible

Plate Finish	Insert Finish			
Verdigris	Black Plastic	<b>1 gang Non Isolated Satellite</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>DSAT</b> <a href="#">Product Code</a>	<b>Non Isolated TV/FM/Satellite 1/Satellite 2 Quadplexer</b> 2 In/4 Out Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>DENT</b> <a href="#">Product Code</a>	<b>Non Isolated TV/FM/Satellite 1/Satellite 2 Quadplexer</b> 2 In/4 Out + TVF + TCS Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>DSAT+</b> <a href="#">Product Code</a>
		7VC DSAT B	7VC DENT B	7VC DSAT+ B

## Concealed Fixing Telephone and Data Outlets

Plate Finish	Insert Finish						
Verdigris	Black Plastic	<b>1 gang Telephone Master</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>TCM</b> <a href="#">Product Code</a>	<b>1 gang Telephone Slave</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 25 mm Technical Insert Reference: <b>TCS</b> <a href="#">Product Code</a>	<b>1 gang RJ12 Outlet Unshielded</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>J12</b> <a href="#">Product Code</a>	<b>2 gang RJ12 Outlet Unshielded</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>2J12</b> <a href="#">Product Code</a>	<b>1 gang RJ45 CAT 5E Outlet Unshielded</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>J45</b> <a href="#">Product Code</a>	<b>2 gang RJ45 CAT 5E Outlet Unshielded</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>2J45</b> <a href="#">Product Code</a>
		7VC TCM B	7VC TCS B	7VC J12 B	7VC 2J12 B	7VC J45 B	7VC 2J45 B

## Concealed Fixing Double Pole Switches

Plate Finish	Insert Finish	Insert Surround Colour			Plate Finish	Insert Surround Colour	
Britannium	Black Plastic	Black	<b>1 gang 20AX Double Pole Red Rocker + Neon</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>DPN</b> <a href="#">Product Code</a>	<b>45A Double Pole Red Rocker + Neon + 13A Switched Socket</b> Nominal Plate Size: 145 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>45SS1</b> <a href="#">Product Code</a>	Britannium	Black	<b>1 gang 45A Double Pole Red Rocker + Neon</b> Nominal Plate Size: 86 x 86 mm Min. Wall Box Depth: 35 mm Technical Insert Reference: <b>45N</b> <a href="#">Product Code</a>
			7VC DPN BL-B	7VC 45SS1 BL-B			7VC 45N B

### Concealed Fixing Connection Units



Plate Finish	Insert Finish	Insert Surround Colour	Product Code
Verdigris	Black Plastic	Black	7VC SPN BL-B

Plate Finish	Insert Finish	Insert Surround Colour	Product Code
Verdigris	Black Plastic	Red Halo	7VC FN BL- R

### Concealed Fixing Leading Edge Push On/Off Resistive Dimmers

Note: When using mains voltage halogen lamps - Dimmers should be de-rated by 25%.

Tungsten Filament GU10 Lamps must be Branded and with a Fused Base.

Note: When dimming LED lamps de-rate by 75% - please contact our Technical Department for compatibility.



Plate Finish	Insert Finish	Product Code	Product Code	Product Code	Product Code	Product Code	Product Code
Verdigris	Verdigris	7VC 1X40	7VC 2X40	7VC 3X40	7VC 4X40	7VC 1X60	7VC 1X1K

### Concealed Fixing Leading Edge Push On/Off Inductive Dimmers

Note: When dimming LED lamps de-rate by 75% - please contact our Technical Department for compatibility.



Plate Finish	Insert Finish	Product Code	Product Code
Verdigris	Verdigris	7VC 1X2V	7VC 1X3V

### Concealed Fixing Trailing Edge Push On/Off Dimmers

Note: Tungsten filament GU10 lamps must be branded and with a fused base.

Note: When using mains voltage halogen lamps - dimmers should be de-rated by 25%.

Note: When using mains voltage halogen load transformers - maximum rating is 210VA.

Note: When dimming LED lamps de-rate by 75% - please contact our Technical Department for compatibility.



Plate Finish	Insert Finish	Product Code	Product Code	Product Code	Product Code
Verdigris	Verdigris	7VC 1XTE	7VC 2XTE	7VC 3XTE	7VC 4XTE





### Concealed Fixing Trailing Edge Touch Master Multi-Way Dimmers

Note: Tungsten filament GU10 lamps must be branded and with a fused base.

Note: When using mains voltage halogen lamps - dimmers should be de-rated by 25%.

Note: When using mains voltage halogen load transformers - maximum rating is 210VA.

Note: When dimming LED lamps de-rate by 75% - please contact our Technical Department for compatibility.

Plate Finish	Insert Finish	Insert Surround Colour				
Verdigris	Black Nickel	Black	<b>1 gang 250W/210VA Trailing Edge Multi-Way Touch Master Dimmer</b> Nominal Plate Size: 86 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>1XTM</b> <a href="#">Product Code</a>	<b>2 gang 250W/210VA Trailing Edge Multi-Way Touch Master Dimmer</b> Nominal Plate Size: 86 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>2XTM</b> <a href="#">Product Code</a>	<b>3 gang 250W/210VA Trailing Edge Multi-Way Touch Master Dimmer</b> Nominal Plate Size: 145 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>3XTM</b> <a href="#">Product Code</a>	<b>4 gang 250W/210VA Trailing Edge Multi-Way Touch Master Dimmer</b> Nominal Plate Size: 145 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>4XTM</b> <a href="#">Product Code</a>
			7VC 1XTM BK-B	7VC 2XTM BK-B	7VC 3XTM BK-B	7VC 4XTM BK-B





### Concealed Fixing Touch Slave Controllers

Note: To only be used with Touch Master Dimmers.

Note: Tungsten filament GU10 lamps must be branded and with a fused base.





Note: When using mains voltage halogen lamps - dimmers should be de-rated by 25%.

Note: When using mains voltage halogen load transformers - maximum rating is 210VA.



Plate Finish	Insert Finish	Insert Surround Colour				
Verdigris	Black Nickel	Black	<b>1 gang Multi-Way Touch Slave Controller</b> Nominal Plate Size: 86 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>1XTS</b> <a href="#">Product Code</a>	<b>2 gang Multi-Way Touch Slave Controller</b> Nominal Plate Size: 86 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>2XTS</b> <a href="#">Product Code</a>	<b>3 gang Multi-Way Touch Slave Controller</b> Nominal Plate Size: 145 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>3XTS</b> <a href="#">Product Code</a>	<b>4 gang Multi-Way Touch Slave Controller</b> Nominal Plate Size: 145 x 86 mm Minimum Wall Box Depth: 35 mm Technical Insert Reference: <b>4XTS</b> <a href="#">Product Code</a>
			7VC 1XTS BK-B	7VC 2XTS BK-B	7VC 3XTS BK-B	7VC 4XTS BK-B

### Concealed Fixing EuroFix Plates complete with Fixing Grid

Minimum Wall Box Depth is dependent on the EuroFix insert fitted - please see the EuroFix section for our complete range of inserts.





Plate Finish				
Verdigris	<b>1 Module EuroFix Plate</b> Nominal Plate Size: 86 x 86 mm Aperture: 25 x 50 mm Technical Insert Reference: <b>EURO1</b> <a href="#">Product Code</a>	<b>2 Module EuroFix Plate</b> Nominal Plate Size: 86 x 86 mm Aperture: 50 x 50 mm Technical Insert Reference: <b>EURO2</b> <a href="#">Product Code</a>	<b>3 Module EuroFix Plate</b> Nominal Plate Size: 145 x 86 mm Aperture: 75 x 50 mm Technical Insert Reference: <b>EURO3</b> <a href="#">Product Code</a>	<b>4 Module EuroFix Plate</b> Nominal Plate Size: 145 x 86 mm Aperture: 100 x 50 mm Technical Insert Reference: <b>EURO4</b> <a href="#">Product Code</a>
	7VC EURO1	7VC EURO2	7VC EURO3	7VC EURO4

### Concealed Fixing Blank Plates

Plate Finish		
Verdigris	<b>Single Blank Plate</b> Nominal Plate Size: 86 x 86 mm Technical Insert Reference: <b>BPS</b> <a href="#">Product Code</a>	<b>Double Blank Plate</b> Nominal Plate Size: 145 x 86 mm Technical Insert Reference: <b>BPD</b> <a href="#">Product Code</a>
	7VC BPS	7VC BPD

### Concealed Fixing GRID-IT Grid Fix Plates complete with Fixing Grid

Minimum Wall Box Depth is dependent on the GRID-IT insert fitted - please see the GRID-IT section for our complete range of inserts.

Plate Finish				
Verdigris	<b>1 gang Aperture Grid Fix Plate</b> Nominal Plate Size: 86 x 86 mm Technical Insert Reference: <b>1GP</b> <a href="#">Product Code</a>	<b>2 gang Aperture Grid Fix Plate</b> Nominal Plate Size: 86 x 86 mm Technical Insert Reference: <b>2GP</b> <a href="#">Product Code</a>	<b>3 gang Aperture Grid Fix Plate</b> Nominal Plate Size: 145 x 86 mm Technical Insert Reference: <b>3GP</b> <a href="#">Product Code</a>	<b>4 gang Aperture Grid Fix Plate</b> Nominal Plate Size: 145 x 86 mm Technical Insert Reference: <b>4GP</b> <a href="#">Product Code</a>
	7VC 1GP	7VC 2GP	7VC 3GP	7VC 4GP

# Hamilton<sup>®</sup> 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
CFXRRT	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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

#### STANDARDS:

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

### TERMINAL CAPACITY:

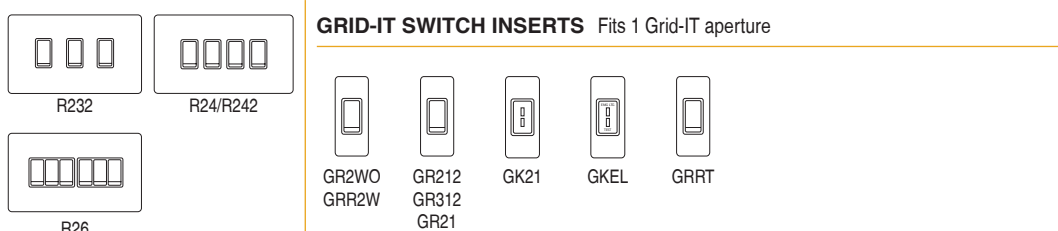
	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity 10AX	5	4	1	1	1
Earth Terminal Capacity 10AX	5	4	3	1	1
Terminal Capacity 20AX	5	4	2	2	1
Earth Terminal Capacity 20AX	6	5	3	2	1

### Fixing Centres: 2 WAY ROCKER    INTERMEDIATE ROCKER    PUSH TO MAKE ROCKER    KEY SWITCH

60.3mm



120.6mm



# Hamilton<sup>®</sup> 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 AC 6A Bell Push
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### TECHNICAL SPECIFICATION:

<b>Voltage:</b>	220/250V AC
<b>IP Rating:</b>	IP2XD
<b>Switched Poles:</b>	Single*
<b>Contact Gap Minimum:</b>	3mm
<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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

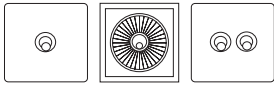

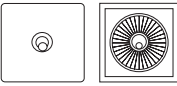

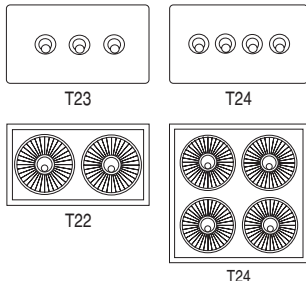
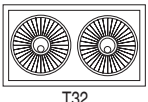
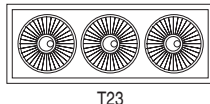

### STANDARDS:

**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<sup>®</sup> Technical Specification

## DOUBLE POLE ROCKER SWITCHES/KEY SWITCHES

### CATEGORY:

#### 20AX DOUBLE POLE ROCKER SWITCH

<b>Current Rating:</b>	20AX
<b>Max Load:</b>	20 Amp inductive
<b>Technical Insert Ref:</b>	<b>Description:</b>
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

<b>Current Rating:</b>	45 Amp
<b>Max Load:</b>	45 Amp
<b>Technical Insert Ref:</b>	<b>Description:</b>
45	1 gang 45A Double Pole Red Rocker
45N	1 gang 45A Double Pole Red Rocker + Neon
45V	45A Double Pole Red Rocker + Neon, Vertically Mounted

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

<b>Current Rating:</b>	Switch 45 Amp/Socket 13 Amp
<b>Max Load:</b>	Switch 45 Amp/Socket 13 Amp
<b>Technical Insert Ref:</b>	<b>Description:</b>
45SS1	45A Double Pole Red Rocker + Neon + 13A Switched Socket

### TECHNICAL SPECIFICATION:

<b>Voltage:</b>	220/250V AC
<b>IP Rating:</b>	IP2XD
<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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

### STANDARDS:

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

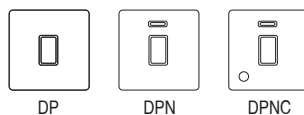
### TERMINAL CAPACITY:

	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		

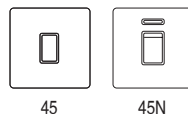
### Fixing Centres:

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

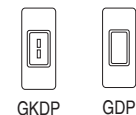
#### 20AMP DP ROCKER SWITCH



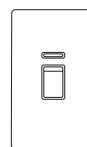
#### 45AMP DP ROCKER SWITCH



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

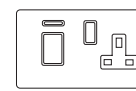


### 120.6mm



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 Rocker

### TECHNICAL SPECIFICATION:

**Current Rating:** 10 Amp  
**Voltage:** 220/250V AC  
**IP Rating:** IP2XD  
**Max Load:** 10 Amp Resistive  
**Switched Poles:** Triple  
**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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

### STANDARDS:

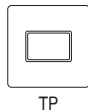
**BS EN ISO Standard:** BS EN 60669-1

### 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	5	4	3	1	1

Fixing Centres: **TRIPLE POLE FAN ISOLATOR**

60.3mm



# Hamilton<sup>®</sup> 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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

### 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**

**EUROFIX CARD SWITCH/KNX**

60.3mm

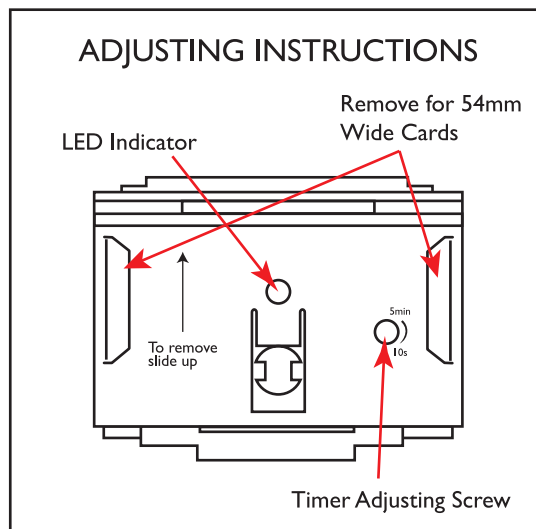


C11/CKNX

Fits into one Euro2 aperture



MOD-C11  
MOD-CKNX



# Hamilton<sup>®</sup> 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
<b>Dual Earth:</b>	Yes

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

#### STANDARDS:

<b>BS EN ISO Standard:</b>	BS 1363-2 Inc. amendment 1,2,3
<b>ASTA Licence No:</b>	1046 (SS1 and SS2 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:

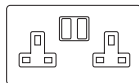
#### 13A SWITCHED SOCKETS

60.3mm



SS1

120.6mm



SS2

#### Fixing Centres:

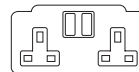
60.3mm grid to wall box  
49.2mm plate to grid

120.6mm grid to wall box  
106.5mm plate to grid

#### GRID-IT SWITCHED SOCKETS MODULES



GSS1



GSS2

# Hamilton<sup>®</sup> 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  
**Shuttered:** Yes

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

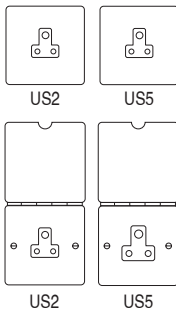
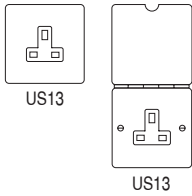

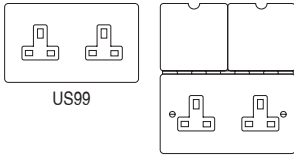
### STANDARDS:

#### 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			3	3	2	1
13A Earth Terminal Capacity			3	3	2	1

Fixing Centres:	2A & 5A UNSWITCHED SOCKETS	13A UNSWITCHED SOCKETS	EUROFIX 13A UNSWITCHED SOCKET MODULE
60.3mm	 <p>US2 US5</p> <p>US2 US5</p>	 <p>US13</p> <p>US13</p>	 <p>MOD-ENG13A</p>
120.6mm		 <p>US99</p> <p>US99</p>	

# Hamilton<sup>®</sup> 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

**Shuttered:** Yes  
 Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.



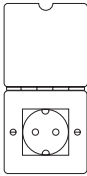


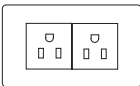
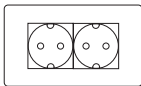
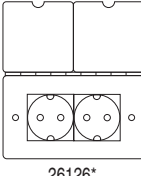

#### STANDARDS:

**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*
120.6mm	 5320	 26126*	 26126*	 MOD-GER16A*	


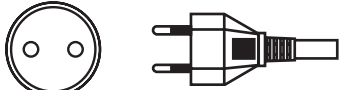
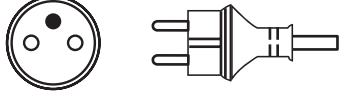
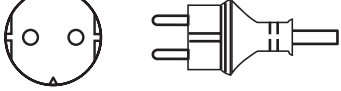








\*Requires 47mm deep mounting box

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

## PLUGS SUITABLE FOR USE WITH MOD-UNIV13\* SOCKET MODULE

Plug Type		Rating	Country	Visual
2-pin plug (Non-Earth)	Type A	2.5A, 250V	North America (United States) and in many other countries including Canada, Mexico, Guatemala, Jamaica and Venezuela	
2-pin plug (Euro)	Type C	2.5A, 250V	Most countries in continental Europe and also widely used in South Africa	
2-pin plug round	Type E	10/16A, 250V	Primarily used in France, Belgium, Poland, Slovakia, Czech Republic, Tunisia and Morocco	
2-pin plug (Non-Earth)	Type F	10/16A, 250V	Germany, Austria, the Netherlands, Sweden, Norway, Finland, Portugal, Spain and Eastern Europe	
3-pin plug BS	Type G	13A, 250V	Mainly used in the United Kingdom, Ireland, Cyprus, Malta, Malaysia, Singapore and Hong Kong	
3-pin plug round BS	Type D	5A, 250V	Used almost exclusively in India, Sri Lanka, Nepal and Nambia	
2-pin Australia plug	Type H	7.5A, 250V	Primarily used in Australia	
3-pin Australia plug	Type I	10A, 250V	Mainly used in Australia, New Zealand, Papa New Guinea and Argentina	
3-pin Australia plug	Type I	15A, 250V	Mainly used in Australia, New Zealand, Papa New Guinea and Argentina	
3-pin China plug	Type I	6/10A, 250V	China	
2-pin China plug	Type H	6/10A, 250V	China	
2-pin US plug	Type A	15A, 125V	North America (United States) and in many other countries including Canada, Mexico, Guatemala, Jamaica and Venezuela	

# Hamilton<sup>®</sup> 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  
**Shuttered:** Yes  
**Box Depth:** 47mm

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

#### STANDARDS:

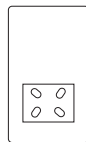
**BS EN ISO Standard:** BS EN 61558  
 BS 4573

### TERMINAL CAPACITY:

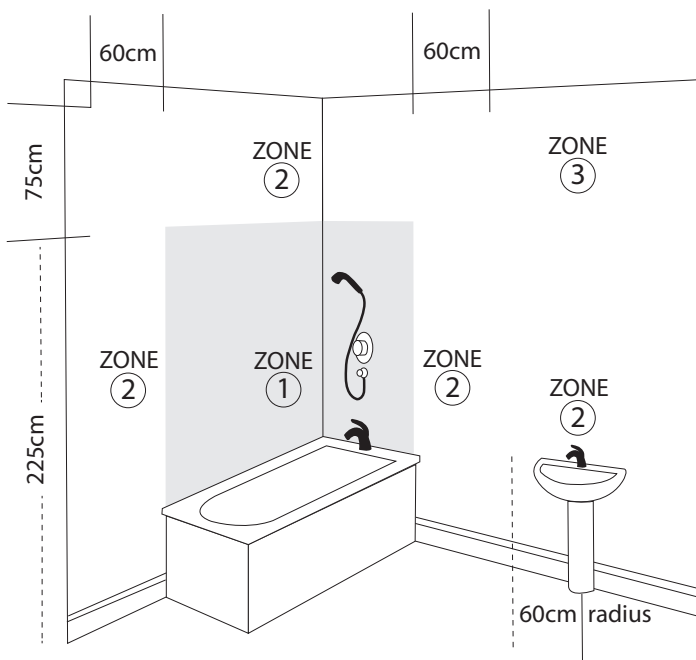
	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	5	4	3	2	1
Earth Terminal Capacity	9	6	4	2	1

### 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<sup>®</sup> 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
<b>Shuttered:</b>	Yes

#### STANDARDS:

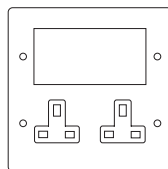
<b>BS EN ISO Standard:</b>	(Socket) BS 1363-2
----------------------------	--------------------

### TERMINAL CAPACITY:

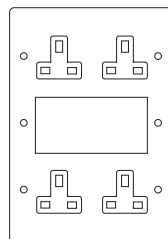
	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup> Multi-Strand	10mm <sup>2</sup>
Terminal Capacity	3	3	2	1
Earth Terminal Capacity	3	3	2	1

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

120.6mm



MED1



MED2

# Hamilton<sup>®</sup> 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
----	------------------------------------

#### 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:

<b>Current Rating:</b>	13 Amp
<b>Voltage:</b>	220/250V AC
<b>Max Load:</b>	13 Amp
<b>IP Rating:</b>	IP2XD
<b>Switched Poles (SP, SPN, SPNC):</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>Cable Outlet Size Flexible:</b>	Min 0.75mm <sup>2</sup> Max 2.5mm <sup>2</sup>
<b>Cable Outlets Fitted with Clamp:</b>	Yes

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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

#### STANDARDS:

##### BS EN ISO Standard:

Switched Fuse/Unswitched	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



SP

SPN

SPNC

FN

CO

FO

FOC

Fits one Grid-IT aperture



GFN



GC20

# Hamilton<sup>®</sup> 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 a suitable barrier MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.

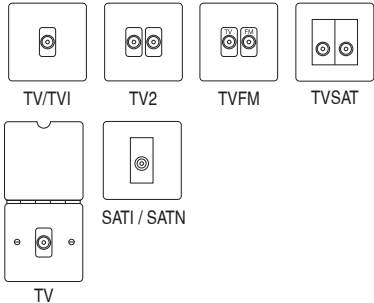
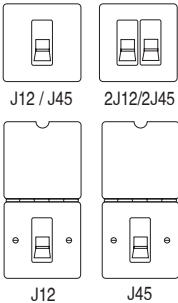
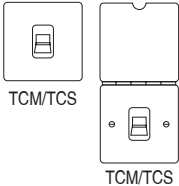
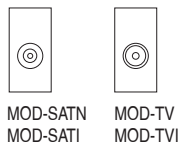


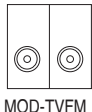
**Note for SATI only:** Isolated F-type satellite outlet, where a DC signal back to the LNB unit on the satellite dish is not required.

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

### 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	 <p>TV/TVI    TV2    TVFM    TVSAT</p> <p>SATI / SATN</p> <p>TV</p>	 <p>J12 / J45    2J12/2J45</p> <p>J12    J45</p>	 <p>TCM/TCS</p> <p>TCM/TCS</p>
Fits one Euro1 aperture	 <p>MOD-SATN    MOD-TV MOD-SATI    MOD-TV1</p>	 <p>MOD-J12    MOD-J45-C6 MOD-J45-C5    MOD-J45-C6S</p>	 <p>MOD-TCM MOD-TCS</p>
Fits one Euro2 aperture	 <p>MOD-TVFM</p>		

# Hamilton<sup>®</sup> 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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

**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 a suitable barrier **MUST** be used to separate the two voltages. See BS 7671 Wiring regulations for further details.

### TERMINAL CAPACITY:






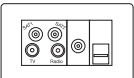
	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Earth Terminal Capacity	5	4	3	1	1

### FREQUENCIES:

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

### Fixing Centres:



#### DIGITAL TELEVISION SOCKETS

60.3mm	 DENT	 DTRID	
	 DTVf	 DTVm	 DSAT
120.6mm	 DSAT+		

Fits one Euro1 aperture

Fits one Euro2 aperture

#### EUROFIX DIGITAL TV SOCKET MODULES

 MOD-DSAT MOD-DTVf MOD-DTVm	 MOD-DENT MOD-DTRID
---	--

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

## EUROFIX AV/AUDIO/HDMI

### CATEGORY:

#### EUROFIX AV/AUDIO/HDMI SOCKETS

##### Technical Insert Ref: Description:

MOD-HDMI	HDMI Chassis Mounted Socket Type A* (Female Mounted, Female Free)
MOD-USBAFF	USB2 Panel Mounted Socket Type A* (Female Mounted, Female Free)
MOD-USBAFM	USB2 Panel Mounted Socket Type A* (Female Mounted, Male Free)
MOD-MP3	3.5mm Stereo Socket (MP3) Screened*
MOD-DIN9	D-Range PC Socket 9 Pin*
MOD-SVGA	D-Range SVGA Socket 15 Pin*

##### Socket Type: 4mm Suitable for 'Banana' plugs

MOD-BAN2	2 x Gold Binding Post Socket*
----------	-------------------------------

#### EUROFIX AV/AUDIO/HDMI SOCKETS

##### Technical Insert Ref: Description:

<b>Current Rating:</b>	Mating connector dependent
<b>Contact Resistance:</b>	Mating connector dependent
<b>Insulation Resistance:</b>	>1GW
<b>Dielectric Strength:</b>	500V DC
<b>Life Cycle:</b>	5000
<b>Cable OD:</b>	4-9mm
<b>Solder Compatibility:</b>	IEC 68-2-20

MOD-RCA1	1 x Gold Phone/Audio Socket**
MOD-RCA2	2 x Gold Phone/Audio Socket**
MOD-RCA3	3 x Gold Composite Video/Audio**

<b>Current Rating:</b>	15 Amp
<b>Voltage:</b>	120VAC
<b>Contact Resistance:</b>	5mW Max

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

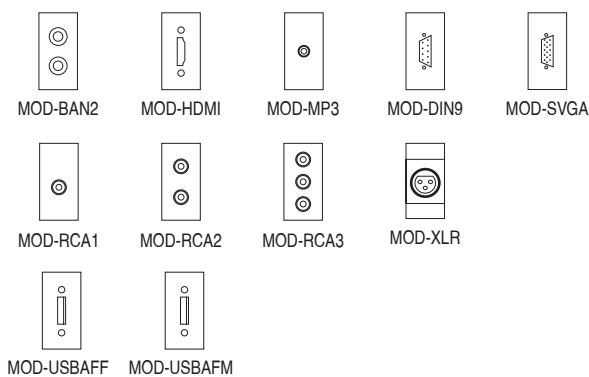
### TECHNICAL SPECIFICATION:

<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
<b>Module Dimensions:</b>	25 x 50mm

**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 a suitable barrier MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.

#### EUROFIX AV/AUDIO/HDMI MODULES

Fits a Euro1 aperture



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

## EUROFIX USB CHARGER MODULE

### CATEGORY:

#### EUROFIX USB CHARGER MODULE

##### Technical Insert Ref: Description:

MOD-USB	Eurofix USB Charger Module
MOD-USB2	Eurofix Twin USB Charger Module

### TECHNICAL SPECIFICATION:

<b>Voltage (Single):</b>	220/240 Vac 47-53Hz	<b>Product Class 1:</b>	Must be earthed
<b>Voltage (Twin):</b>	100/240 Vac 47-63Hz	<b>Ambient Operating Temperature:</b>	0 to +40 C
<b>Current Rating (at full load):</b>	0.3A Single 0.6A Twin	<b>Location:</b>	Internal Use Only
<b>Standby Current:</b>	1.3mA Single 2.0mA Twin	<b>Max Installation Altitude:</b>	2000m
<b>Max Load Output:</b>	1.0A per socket	<b>Module Dimensions:</b>	25 x 50mm Single 50 x 50mm Twin
<b>Charging Output:</b>	5Vdc ± 5%	<b>STANDARDS:</b>	
<b>Output Connector:</b>	USB Type A	<b>BS EN ISO Standard:</b>	IEC 60950-1 IEC 61000-6-1/3
<b>Contact Gap Minimum:</b>	5mm		

### COMPLIANCE:

EC Directive	MOD-USB	MOD-USB2
Low Voltage	2006/95/EC	2006/95/EC
ROHS	2002/95/EC	2002/95/EC
WEEE	2002/96/EC	2002/95/EC
REACH	1907/2006	1907/2006
EMC	2004/108EC	2004/108EC

### TERMINAL CAPACITY

	1.0mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>
Terminal Capacity	2	2	3

Ensure that the power is switched off or power is isolated before attempting to install or connect the charger.

#### EUROFIX USB CHARGER MODULE

Fits a Euro1 aperture



MOD-USB

Fits one Euro2 aperture



MOD-USB2

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

## TWIN CHARGER/POWER SOCKET

### CATEGORY:

#### TWIN CHARGER/POWER SOCKET

#### Technical Insert Ref: Description:

USB99                      Twin USB Charger and 2 gang  
13A Unswitched Socket

### TECHNICAL SPECIFICATION:

**Socket Current Rating:** 13A  
**USB Current Rating:** 0.128A  
**Voltage:** AC 200-250V 50-60Hz  
**USB Max Load Output:** 2.1A total for 2 outlets  
**USB Charging Output:** 5Vdc ± 5% 2.1A Max  
**Output Connector:** USB Type A  
**Contact Gap Minimum:** 5mm  
**Product Class 1:** Must be earthed  
**Ambient Operating Temperature:** 15 to +45 C  
**Location:** Internal Use Only

**Max Installation Altitude:** 2000m  
**Shuttered:** Yes

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

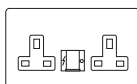
#### STANDARDS:

**BS EN ISO Standard:** BS1363-2  
BS5733  
EN60950

### TERMINAL CAPACITY FOR 13A UNSWITCHED SOCKET:

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

### TWIN USB/POWER SOCKET



USB99

# Hamilton<sup>®</sup> 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 (Watts)		Linea Halogen (Watts)	GU10 LED (Watts)	
				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 (Watts)		Linea Halogen (Watts)	GU10 LED (Watts)	
				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 (Watts)		Linea Halogen (Watts)	GU10 LED (Watts)	
				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<sup>®</sup> Technical Specification

## LEADING EDGE INDUCTIVE PUSH ON/OFF DIMMERS

### CATEGORY:

#### 200VA INDUCTIVE DIMMER

See Notes for Dimmers Page 390: 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 Page 390: Note E

D2V 1 gang 200VA 2 way

#### 300VA INDUCTIVE DIMMER

See Notes for Dimmers Page 390: Note E

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

#### Technical Insert Ref: Description:

1X3V 1 gang 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

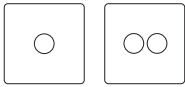


**Ambient Operating Temperature:** -5 to +40 C  
**Location:** Internal Use Only  
**Max Installation Altitude:** 2000m

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

### 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
60.3mm	 <p>1X2V      2X2V</p>	 <p>1X3V</p>	 <p>D2V</p>

**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<sup>®</sup> Technical Specification

## LEADING EDGE PUSH ON/OFF RESISTIVE DIMMERS

### CATEGORY:

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

See Notes for Dimmers Page 390: 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 Page 390: Note A,B,E

D40 1 gang 400W 2 way  
 Switched Poles: not applicable\*  
 Contact Gap Minimum: 3mm\*\*

#### 600W PUSH ON/OFF RESISTIVE DIMMER

See Notes for Dimmers Page 390: 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 Page 390: 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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

### 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**

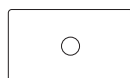
60.3mm



1X40

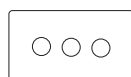


2X40



1X60

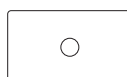
120.6mm



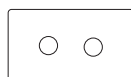
3X40 / P3X40  
W3X40



4X40 / P4X40  
W4X40



1X1K



WD2X40  
Woods range

Fits one Grid-IT aperture



D40

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## 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 (Watts)		Linea Halogen (Watts)	GU10 LED (Watts)	
				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 (Watts)		Linea Halogen (Watts)	GU10 LED (Watts)	
				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 (Watts)		Linea Halogen (Watts)	GU10 LED (Watts)	
				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

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## TRAILING EDGE PUSH ON/OFF DIMMERS

### CATEGORY:

#### TRAILING EDGE DIMMER

See Notes for Dimmers Page 393: 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 Page 393: 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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

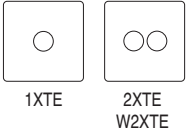

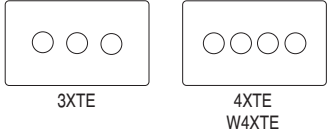
#### STANDARDS:

<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	 <p>1XTE      2XTE W2XTE</p>	<p>Fits one Grid-IT aperture</p>  <p>DTE</p>
120.6mm	 <p>3XTE      4XTE W4XTE</p>	

**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).

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## TRAILING EDGE TOUCH DIMMERS

### CATEGORY:

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

See Notes for Dimmers Page 393: 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 Page 393: Note A,B,C,E

DTM	1 gang 250W/210VA Multi-Way Touch Master Module
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#### TOUCH SLAVE CONTROLLER

See Notes for Dimmers Page 393: Note A,B,C,D

##### Technical Insert Ref: Description:

1XTS	1 gang Multi-Way Touch Slave
2XTS	2 gang Multi-Way Touch Slave
3XTS	3 gang Multi-Way Touch Slave
4XTS	4 gang Multi-Way Touch Slave

#### GRID-IT TOUCH SLAVE CONTROLLER MODULE

See Notes for Dimmers Page 393: 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 or ceiling dimmers. (Wattage and voltage will be the same as the dimmer).

### 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

Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

### STANDARDS:

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

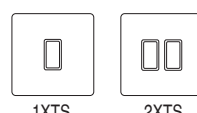
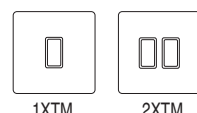
	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity	2	2			
Earth Terminal Capacity	5	4	3	1	1

### Fixing Centres:

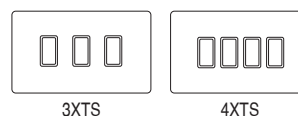
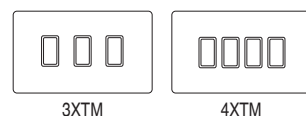
#### TOUCH MASTER DIMMER

#### TOUCH SLAVE CONTROLLER

60.3mm



120.6mm



#### GRID-IT TOUCH MASTER DIMMER MODULE

#### GRID-IT TOUCH SLAVE CONTROLLER MODULE

Fits 1 Grid-IT aperture



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## 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	1-10V DC 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

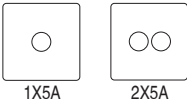


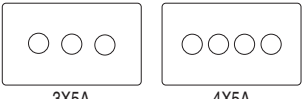
Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

#### STANDARDS:

<b>BS EN ISO Standard:</b>	
Push on/off switch	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	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>	<p>Fits 1 Grid-IT aperture</p>  <p>DIP /DPS</p>	 <p>DHF</p>
120.6mm	 <p>3X5A      4X5A</p>		

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## GRID-IT NEON AND NEON HALO MODULES

### CATEGORY:

#### GRID-IT NEON HALO MODULES

Technical Insert Ref:	Description:
GN	Neon Halo Modules

#### GRID-IT NEON ONLY MODULES

Technical Insert Ref:	Description:
GNO	Neon Only Modules
GNH-PCR	Neon Only Module Horizontally Mounted Please Clean Room
GNH-DND	Neon Only Module Horizontally Mounted Do Not Disturb
GN-MAID	Neon Halo Module Maid
GN-BELL	Neon Halo Module Bell

### 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	GRID-IT NEON ONLY MODULES
Fits 1 Grid-IT aperture	 GN	 GNO  GNH-PCR  GNH-DND   GN-MAID  GN-BELL

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## LARGE PLATES DIMENSIONS

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

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

150mm

150mm

			Tungsten Filament including halogen	
No. Items per plate	Dimmer type	Max load per plate	Min load per gang	Max load per gang
<b>Metal Plates</b>				
6	400	1800	40	300
8	400	1800	40	300
6	TM, TE	1500	25	250
8	TM, TE	1800	25	225
4	600	1800	100	450
2	1000	1800	150	900
<b>Wood Plates</b>				
6	400	1200	40	200
6	TE	1200	25	200
8	TE	1600	25	200
<b>All Plates</b>				
6, 8	Grid rockers, toggle, touch slave			

210mm

280mm

			Tungsten Filament including halogen	
No. Items per plate	Dimmer type	Max load per plate	Min load per gang	Max load per gang
<b>Metal Plates</b>				
12	400	3600	40	300
16	400	3600	40	225
12	TM, TE	3000	25	250
16	TM, TE	3600	25	225
6	600	3600	100	600
3	1000	3600	150	1000
<b>All Plates</b>				
24	Grid rockers, toggle, touch slave			

150mm

210mm

			Tungsten Filament including halogen	
No. Items per plate	Dimmer type	Max load per plate	Min load per gang	Max load per gang
<b>Metal Plates</b>				
9	400	2250	40	250
12	400	2250	40	200
9	TM, TE	2250	25	250
12	TM, TE	2250	25	200
4	600	2250	100	550
3	1000	2250	150	750
<b>Wood Plates</b>				
9	400	1800	40	200
9	TE	1800	25	200
12	TE	2250	25	200
<b>All Plates</b>				
9,12	Grid rockers, toggle, touch slave			

210mm

210mm

			Tungsten Filament including halogen	
No. Items per plate	Dimmer type	Max load per plate	Min load per gang	Max load per gang
<b>Metal Plates</b>				
12	400	2400	40	200
12	TM, TE	2400	25	250
4	600	2400	100	550
3	1000	2400	150	800
<b>All Plates</b>				
18	Grid rockers, toggle, touch slave			

See dimmer information for Linea Halogen and GU10 LED



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## GRID-IT/EUROFIX/BLANK PLATE DIMENSIONS

### GRID-IT GRID FIX PLATE DIMENSIONS

	Dimension (mm)								
	Linea-CFX			Hartland CFX	Hartland	Perception CFX	Sheer CFX	Sheer	Cheriton
	Duo	Georgian	Perlina Rondo Scala						
1GP 1 gang aperture grid fix plate	86 x 86	95 x 95	91 x 91	86 x 86	88 x 88	86 x 86	86 x 86	86 x 86	88 x 88
2GP 2 gang aperture grid fix plate	86 x 86	95 x 95	91 x 91	86 x 86	88 x 88	86 x 86	86 x 86	86 x 86	88 x 88
3GP 3 gang aperture grid fix plate	145 x 86	154 x 95	150 x 91	145 x 86	144 x 85	145 x 86	145 x 86	146 x 86	146 x 86
4GP 4 gang aperture grid fix plate	145 x 86	154 x 95	150 x 91	145 x 86	144 x 85	145 x 86	145 x 86	146 x 86	146 x 86
6GP 6 gang aperture grid fix plate					146 x 146			146 x 146	146 x 146
8GP 8 gang aperture grid fix plate					146 x 146			146 x 146	146 x 146
9GP 9 gang aperture grid fix plate					146 x 210			146 x 210	146 x 210
12GP 12 gang aperture grid fix plate					146 x 210			146 x 210	146 x 210
SS1GP 1 gang 13A switched socket aperture grid fix plate	86 x 86	95 x 95	91 x 91	86 x 86	88 x 88	86 x 86	86 x 86	86 x 86	88 x 88
SS2GP 2 gang 13A switched socket aperture grid fix plate	145 x 86	154 x 95	150 x 91	145 x 86	144 x 85	145 x 86	145 x 86	146 x 86	146 x 86

### EUROFIX PLATE DIMENSIONS Plates must be earthed via the earth tag

	Dimension (mm)									
	Aperture Size	Linea-CFX			Hartland CFX	Hartland	Perception CFX	Sheer CFX	Sheer	Cheriton
		Duo	Georgian	Perlina Rondo Scala						
EURO1 1 Module Plate	25 x 50	86 x 86	95 x 95	91 x 91	86 x 86	88 x 88	86 x 86	86 x 86	86 x 86	88 x 88
EURO2 2 Module Plate	50 x 50	86 x 86	95 x 95	91 x 91	86 x 86	88 x 88	86 x 86	86 x 86	86 x 86	88 x 88
EURO3 3 Module Plate	75 x 50	145 x 86	154 x 95	150 x 91	145 x 86	144 x 85	145 x 86	145 x 86	146 x 86	146 x 86
EURO4 4 Module Plate	100 x 50	145 x 86	154 x 95	150 x 91	145 x 86	144 x 85	145 x 86	145 x 86	146 x 86	146 x 86

### EUROFIX POLYCARBONATE PLATE DIMENSIONS

	Nominal Plate Size	Aperture Size	Number of Modules Held
MOD-P2M 2 Module EuroFix Plate	86 x 86mm	50 x 50mm	One 50 x 50mm Module or Two 25 x 25mm Modules or One 25 x 50mm Module and two 12.5mm blanking modules
MOD-P4M 4 Module EuroFix Plate	146 x 86mm	100 x 50mm	One 100 x 50mm Module or Two 50 x 50mm Modules or One 50 x 50mm Module and two 25 x 50mm Modules or Four 25 x 50 Modules

### BLANK PLATE DIMENSIONS Plates must be earthed via the earth tag

	Dimension (mm)								
	Linea-CFX			Hartland CFX	Hartland	Perception CFX	Sheer CFX	Sheer	Cheriton
	Duo	Georgian	Perlina Rondo Scala						
BPS Single Blank Plate	86 x 86	95 x 95	91 x 91	86 x 86	88 x 88	86 x 86	86 x 86	86 x 86	88 x 88
BPD Double Blank Plate	145 x 86	154 x 95	150 x 91	145 x 86	144 x 85	145 x 86	145 x 86	146 x 86	146 x 86

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## GRID-IT AND EUROFIX ANCILLARIES DIMENSIONS

### BLANK PLATE MODULE DIMENSIONS

Technical Insert Ref:	Description	Nominal Size	Depth
MOD-HALFBLANK	EuroFix Half Blanking Plate Module	12.5 x 50mm	
MOD-BLANK	EuroFix One Blanking Plate Module	25 x 50mm	
BMOD	Grid-IT Blank Module	23.2 x 51mm	9.2mm

### SPARE MODULE GRID FOR SHEER CFX AND HARTLAND CFX

Sheer CFX Grid complete with gasket	8C1G	8C2G	8C3G	8C4G
Hartland CFX Grid complete with gasket	7C1G	7C2G	7C3G	7C4G
DIMENSIONS (MM)	86 x 86mm	86 x 86mm	145 x 86mm	145 x 86mm

### SPARE MODULE GRID DIMENSIONS For Sheer, Hartland and Cheriton front plates

	1G-GRID	2G-GRID	3G-GRID	4G-GRID
Spare Insert Grid (mm)	78 x 78mm	78 x 78mm	138 x 78mm	138 x 78mm

### SPARE PLATE SCREWS DIMENSIONS Box Quantity: 50

Technical Insert Ref:	Description	Size
SCREW-PSGR	Dome Headed Slotted Screws for Rocker Aperture Plates to Grid	M3 x 5mm
SCREW-PSGS	Countersunk Slotted Screws for Switched Socket Plates to Grid	M3 x 5mm

### SPARE BACK BOX SCREWS DIMENSIONS Box Quantity: 50

Technical Insert Ref:	Description	Size
SCREW-SG25	Countersunk Slotted Screws for fixing Grids to Back Box	M3.5 x 25mm
SCREW-SG50	Countersunk Slotted Screws for fixing Grids to Back Box	M3.5 x 50mm

### SPARE MODULE GRID SCREWS DIMENSIONS Box Quantity: 50

Technical Insert Ref:	Description	Size
SCREW-MISC	Countersunk Cross-Slotted Screws for fixing Module to Grid	M2.5 x 4mm

## SURFACE MOUNTED BOX SURROUNDS

### SURFACE MOUNTED BOX SURROUND DIMENSIONS - FOR WOODS RANGE ONLY

Technical Insert Ref:	Description	Nominal Size	Fits over mounted box size
BFS	Surface Mounting Box Single	93 x 93 x 30mm	25mm
BFD	Surface Mounting Box Double	150 x 93 x 30mm	25mm

## MISCELLANEOUS

### CATEGORY:

### MISCELLANEOUS ITEMS

Technical Insert Ref:	Description:	Technical Insert Ref:	Description:
G-KEY	Spare Key for Key Switch	MOD-KEYSTONE	Suitable for Keystone type insert
D-KIT	Dimmer Inlay + Knob Kit	MOD-TIDY	Cable Outlet Tidy with brushes