

# Hamilton® EuroFix Modules

## A comprehensive range of modular Data and Media units

EuroFix Modules are designed to fit most Hamilton Plate Ranges – for full information please refer to the relevant sections of this catalogue.

- EuroFix White Polycarbonate Plates
- AV/Audio/HDMI Outlet Modules
- Television/Satellite Outlet Modules
- Hotel Card Switch with LED Modules
- USB Charger/Power Socket Module
- Digital Television/Satellite Outlet Modules
- Data Outlet Modules

These inserts can be mixed to your requirements.

**SPECIAL NOTE:** When mains voltage and Telecom/Data/TV are mixed on the same plate a suitable barrier must be used in the wall box to shield the mains output.



77C EURO1 + MOD-DTVF B



LRX EURO2 BC-N + MOD-C11 BC-B



8P EURO1 + MOD-J12 W



LD EURO1 BC-SS + MOD-BAN2 W



79C EURO2 + MOD-TVFM B

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

# Hamilton® EuroFix Modules

## EuroFix White Polycarbonate Plates

Complete with Screw Cover Caps

Minimum Wall Box Depth is dependent on the EuroFix insert fitted.



MOD-P2M W

### 2 Module EuroFix Plate

Nominal Plate Size: 86 x 86 mm  
Aperture: 50 x 50 mm  
Designed to hold One 50 x 50 mm module, or Two 25 x 50 mm modules or One 25 x 50 mm module and two 12.5 mm Blanking Plates,

Technical Insert Reference: **MOD-P2M**

**Product Code**



MOD-P4M W

### 4 Module EuroFix Plate

Nominal Plate Size: 146 x 86 mm  
Aperture: 100 x 50 mm  
Designed to hold One 100 x 50 mm module, or Two 50 x 50 mm modules, or One 50 x 50 mm module and two 25 x 50 mm modules or Four 25 x 50 mm modules.

Technical Insert Reference: **MOD-P4M**

**Product Code**

Plate Finish

White Plastic

MOD-P2M W

MOD-P4M W

## Polycarbonate Blanking Plates

### Half Module Blanking Plate

Nominal Size: 12.5 x 50 mm  
Technical Insert Reference: **MOD-HALFBLANK**  
**Product Code**

### 1 Module Blanking Plate

Nominal Size: 25 x 50 mm  
Technical Insert Reference: **MOD-1BLANK**  
**Product Code**

Insert Finish

White Plastic

MOD-HALFBLANK W

MOD-1BLANK W



Black Plastic

MOD-HALFBLANK B

MOD-1BLANK B



## Cable Tidy Module

### 2 Module Cable Tidy

Module Size: 50 x 50 mm  
Wall Box Depth: 35 mm  
Technical Insert Reference: **TIDY**  
**Product Code**

Insert Finish

White Plastic

MOD-50TIDY W



Black Plastic

MOD-50TIDY B



## USB Charger/Power Sockets

### 1 Module USB Charger

Module Size: 25 x 50 mm  
Wall Box Depth: 35 mm  
Technical Insert Reference: **MOD-USB**  
**Product Code**

Insert Finish

White Plastic

MOD-USB-CHARGER W



Black Plastic

MOD-USB-CHARGER B



### 2 Module USB Charger

Module Size: 50 x 50 mm  
Wall Box Depth: 35 mm  
Technical Insert Reference: **MOD-USBX2**  
**Product Code**

Insert Finish

White Plastic

MOD-USBX2-CHARGER W



Black Plastic

MOD-USBX2-CHARGER B



# Hamilton® EuroFix Modules















## AV/Audio/HDMI Outlet Modules

	<b>1 Module Latching Audio Connector 3 Pin XLR Socket</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-XLR</b> Product Code:	<b>1 Module 3.5 mm Stereo Socket (MP3) Screened</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-MP3</b> Product Code:	<b>1 Module D-Range PC Socket 9 Pin</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-DIN9</b> Product Code:	<b>1 Module D-Range SVGA Socket 15 Pin</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-SVGA</b> Product Code:	<b>1 x Gold Phono/Audio Socket</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-RCA1</b> Product Code:	<b>2 x Gold Phono/Audio Socket</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-RCA2</b> Product Code:	<b>3 x Gold Composite Video/Audio Socket</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-RCA3</b> Product Code:	<b>2 x Gold Binding Post Socket</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-BAN2</b> Product Code:
<b>White Plastic</b>	MOD-XLR W 	MOD-MP3 W 	MOD-DIN9 W 	MOD-SVGA W 	MOD-RCA1 W 	MOD-RCA2 W 	MOD-RCA3 W 	MOD-BAN2 W 
<b>Black Plastic</b>	MOD-XLR B 	MOD-MP3 B 	MOD-DIN9 B 	MOD-SVGA B 	MOD-RCA1 B 	MOD-RCA2 B 	MOD-RCA3 B 	MOD-BAN2 B 
	<b>Technical Information</b> Current Rating: 15A at 120VAC Contact Resistance: 5mW Max.			<b>Technical information</b> Current Rating: Mating Connector Dependant Contact Resistance: Mating Connector Dependant Insulation Resistance: >1GW Dielectric Strength: 500V DC Life Cycle: 5000 Cable OD: 4-9 mm Solder Compatibility: IEC 68-2-20 Operating Temperature: -25°C to +70°C			<b>Technical Information</b> Socket: 4mm Suitable for "Banana" Plugs	







	<b>1 Module HDMI Chassis Mounted Socket Type A (Female Mounted - Female Free)</b> Cable Length: 155 mm Module Size: 25 x 50 mm Technical Insert Reference: <b>MOD-HDMI</b> Wall Box Depth: 35 mm Product Code:	<b>1 Module USB2 Panel Mounted Socket Type A (Female Mounted - Male Free)</b> Cable Length: 500 mm Module Size: 25 x 50 mm Technical Insert Reference: <b>MOD-USBAFM</b> Wall Box Depth: 35 mm Product Code:	<b>1 Module USB2 Panel Mounted Socket Type A (Female Mounted - Female Free)</b> Cable Length: 155 mm Module Size: 25 x 50 mm Technical Insert Reference: <b>MOD-USBAFF</b> Wall Box Depth: 35 mm Product Code:
<b>White Plastic</b>	MOD-HDMI W 	MOD-USBAFM W 	MOD-USBAFF W 
<b>Black Plastic</b>	MOD-HDMI B 	MOD-USBAFM B 	MOD-USBAFF B 

## Data Outlet Modules

## Telephone Outlet Modules











	1 Module RJ45 CAT 5E Unshielded Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-J45-C5 Product Code:	1 Module RJ45 CAT 6 Unshielded Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-J45-C6 Product Code:	1 Module RJ45 CAT 6S Shielded Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-J45-C6S Product Code:	1 Module RJ12 Unshielded Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-J12 Product Code:	1 Module Carrier for Keystone RJ Data Socket Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-KEYSTONE Product Code:		1 Module Telephone Master Module Size: 25 x 50 mm Wall Box Depth: 25 mm Technical Insert Reference: MOD-TCM Product Code:	1 Module Telephone Slave Module Size: 25 x 50 mm Wall Box Depth: 25 mm Technical Insert Reference: MOD-TCS Product Code:
<b>White Plastic</b>	MOD-J45-C5 W 	MOD-J45-C6 W 	MOD-J45-C6S W 	MOD-J12 W 	MOD-KSC W 	<b>White Plastic</b>	MOD-TCM W 	MOD-TCS W 
<b>Black Plastic</b>	MOD-J45-C5 B 	MOD-J45-C6 B 	MOD-J45-C6S B 	MOD-J12 B 	MOD-KSC B 	<b>Black Plastic</b>	MOD-TCM B 	MOD-TCS B 
	<b>Technical Information</b> Enhanced CAT 5E performance (Unshielded) Can be used in both EIA 568A and EIA 568B wiring schedules.	<b>Technical Information</b> Can be used in both EIA 568A and EIA 568B wiring schedules.	<b>Technical Information</b> Can be used in both EIA 568A and EIA 568B wiring schedules.	<b>Technical Information</b> Can be used as either an RJ11 (4 wires) or RJ12 (6 wires).			<b>Technical Information</b> Used as the first socket outlet on the installation.	<b>Technical Information</b> Used as the extension socket outlets of the installation.

## Television/Satellite Outlet Modules

	1 Module Non Isolated TV 1 In/1 Out Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-TV Product Code:	1 Module Isolated TV 1 In/1 Out Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-TVI Product Code:	Isolated TV/FM Diplexer 1 In/2 Out Module Size: 50 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-TVFM Product Code:	1 Module Non Isolated Satellite Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-SATN Product Code:	1 Module Isolated Satellite Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: MOD-SATI Product Code:
<b>White Plastic</b>	MOD-TV W 	MOD-TVI W 	MOD-TVFM W 	MOD-SATN W 	MOD-SATI W 
<b>Black Plastic</b>	MOD-TV B 	MOD-TVI B 	MOD-TVFM B 	MOD-SATN B 	MOD-SATI B 
	<b>Technical Information</b> Non Isolated Co-Ax outlet (IEC 169 Female Socket).	<b>Technical Information</b> Isolated Co-Ax outlet (IEC 169 Female Socket).	<b>Technical Information</b> Isolated diplexer Co-Ax outlets for use with combined TV and FM signal.	<b>Technical Information</b> Non Isolated F-Type outlet for Satellite or Cable TV installations.	<b>Technical Information</b> Isolated F-Type outlet for Satellite or Cable TV installations where a DC signal back to the LNB unit on the Satellite Dish is NOT required.

# Hamilton® EuroFix Modules

## Digital Television/Satellite Outlet Modules Fully Screened Non Isolated - DAB Compatible

	<b>Non Isolated TV/FM/Satellite 1/ Satellite 2 Quadplexer 2 In/4 Out</b> Module Size: 50 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-DENT</b> <b>Product Code:</b>	<b>Non Isolated TV/FM/Satellite Triplexer 1 In/3 Out</b> Module Size: 50 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-DTRID</b> <b>Product Code:</b>	<b>1 Module Non Isolated TV (Female)</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-DTVF</b> <b>Product Code:</b>	<b>1 Module Non Isolated TV (Male)</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-DTVM</b> <b>Product Code:</b>	<b>1 Module Non Isolated Satellite</b> Module Size: 25 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-DSAT</b> <b>Product Code:</b>
<b>Insert Finish</b>	<b>White Plastic</b>	<b>White Plastic</b>	<b>White Plastic</b>	<b>White Plastic</b>	<b>White Plastic</b>
	MOD-DENT W 	MOD-DTRID W 	MOD-DTVF W 	MOD-DTVM W 	MOD-DSAT W 
	<b>Black Plastic</b>	<b>Black Plastic</b>	<b>Black Plastic</b>	<b>Black Plastic</b>	<b>Black Plastic</b>
	MOD-DENT B 	MOD-DTRID B 	MOD-DTVF B 	MOD-DTVM B 	MOD-DSAT B 
For use with Digital Broadcasting/ TV Systems and Interactive TV Services.	<b>Technical Information</b> Quadplexer for use with combined TV, FM and Satellite Signals. (DAB Compatible).  <b>Frequency</b> TV = 5-68 MHz, 125-860 MHz. FM = 88-108 MHz. SAT DC = 950-2200 MHz.	<b>Technical Information</b> Triplexer for use with combined TV, FM and Satellite Signals. (DAB Compatible).  <b>Frequency</b> TV = 5-68 MHz, 125-860 MHz. FM = 88-108 MHz. SAT DC = 950-2200 MHz.	<b>Technical Information</b> TV outlet (IEC 169 Female Socket). Usually used for FM (DAB) outlet.  <b>Frequency</b> TV DC = 5-2200 MHz.	<b>Technical Information</b> TV outlet (IEC 169 Male Socket). Usually used for FM (DAB) outlet.  <b>Frequency</b> FM DC = 5-2200 MHz.	<b>Technical Information</b> "F" Type Satellite Outlet.  <b>Frequency</b> SAT DC = 5-2200 MHz.

## International Unswitched Socket Modules

	<b>1 Module 13A UK Unswitched Socket</b> Module Size: 50 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-ENG13A</b> <b>Product Code:</b>	<b>1 Module 16A German Unswitched Socket</b> Module Size: 50 x 50 mm Wall Box Depth: 47 mm Technical Insert Reference: <b>MOD-GER16A</b> <b>Product Code:</b>	<b>1 Module 15A 110V American Unswitched Socket</b> Module Size: 50 x 50 mm Wall Box Depth: 35 mm Technical Insert Reference: <b>MOD-USA15A</b> <b>Product Code:</b>	<b>1 Module 13A Universal Unswitched Socket</b> Module Size: 50 x 50 mm Wall Box Depth: 47 mm Technical Insert Reference: <b>MOD-UNI13A</b> <b>Product Code:</b>
<b>Insert Finish</b>	<b>White Plastic</b>	<b>White Plastic</b>	<b>White Plastic</b>	<b>White Plastic</b>
	MOD-ENG13A W 	MOD-GER16A W 	MOD-USA15A W 	MOD-UNIV W 
	<b>Black Plastic</b>	<b>Black Plastic</b>	<b>Black Plastic</b>	<b>Black Plastic</b>
	MOD-ENG13A B 	MOD-GER16A B 	MOD-USA15A B 	MOD-UNIV B 

# Hamilton® EuroFix Modules

## Hotel Card Switch with LED

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



MOD-CKNX BC-B



### 1 Module 10A (6AX) On/Off with Blue LED Locator

Module Size: 50 x 50 mm  
Min. Wall Box Depth: 35 mm  
Technical Insert Reference:  
**MOD-C11**  
**Product Code**



### 1 Module 12-24V AC/DC +/-10% On/Off with Blue LED Locator (Suitable for KNX BUS System)

Module Size: 50 x 50 mm  
Min. Wall Box Depth: 35 mm  
Technical Insert Reference:  
**MOD-CKNX**  
**Product Code**

Insert Finish	Surround Colour	Product Code	Product Code
Bright Chrome Bright Chrome	White Black	MOD-C11 BC-W MOD-C11 BC-B	MOD-CKNX BC-W MOD-CKNX BC-B
Satin Chrome Satin Chrome	White Black	MOD-C11 SC-W MOD-C11 SC-B	MOD-CKNX SC-W MOD-CKNX SC-B
Polished Brass Polished Brass	White Black	MOD-C11 PB-W MOD-C11 PB-B	MOD-CKNX PB-W MOD-CKNX PB-B
Satin Brass Satin Brass	White Black	MOD-C11 SB-W MOD-C11 SB-B	MOD-CKNX SB-W MOD-CKNX SB-B
Antique Brass	Black	MOD-C11 AB-B	MOD-CKNX AB-B
Satin Stainless Satin Stainless	White Black	MOD-C11 SS-W MOD-C11 SS-B	MOD-CKNX SS-W MOD-CKNX SS-B
Black Nickel	Black	MOD-C11 BK-B	MOD-CKNX BK-B
Pearl Oyster	White	MOD-C11 PO-W	MOD-CKNX PO-W
Black Plastic	Black	MOD-C11 BL-B	MOD-CKNX BL-B
White Plastic	White	MOD-C11 WH-W	MOD-CKNX WH-W

EuroFix Modules are designed to fit most Hamilton Plate Ranges – for full information please refer to the relevant sections of this catalogue.

### Hartland Box Fix and Hartland CFX Concealed Fixing

### Sheer Box Fix and Sheer CFX Concealed Fixing



79 EURO2 + MOD-TVFM B



77C EURO1 + MOD-DTVF B



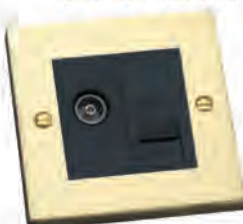
8P EURO1 + MOD-J12 W



84C EURO4 + MOD-DTRID W + MOD-TV W + MOD-TCS W

### Cheriton Victorian and Cheriton Georgian

### The Linea CFX Concealed Fixing Collection Ranges



92 EURO4 + MOD-TVF B + MOD-J12 B



90 EURO2 + MOD-TV W + MOD- J12 W



LRX EURO2 BC-N + MOD-C11 BC-B



LD EURO1 BC-SS + MOD-BAN2 W

# 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:

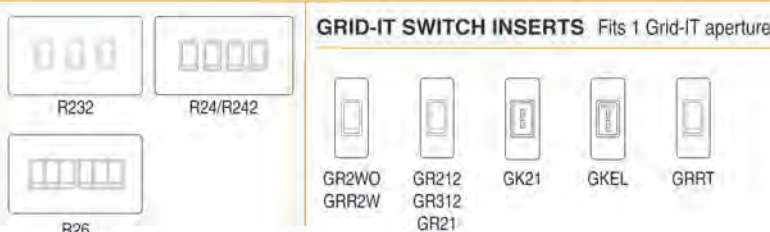
	1mm <sup>2</sup>	1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup> Multi-Strand	6mm <sup>2</sup>
Terminal Capacity 10AX	5	4	1	1	1
Earth Terminal Capacity 10AX	5	4	3	1	1
Terminal Capacity 20AX	5	4	2	2	1
Earth Terminal Capacity 20AX	6	5	3	2	1

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

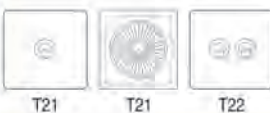
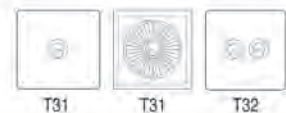
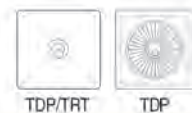

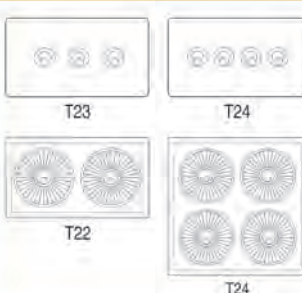
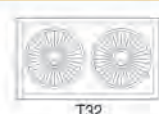


Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

### STANDARDS:

<b>BS EN ISO Standard:</b>	
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 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 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

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

### 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:

20AMP DP ROCKER SWITCH

45AMP DP ROCKER SWITCH

GRID-IT MODULE Fits 1 Grid-IT aperture

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



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

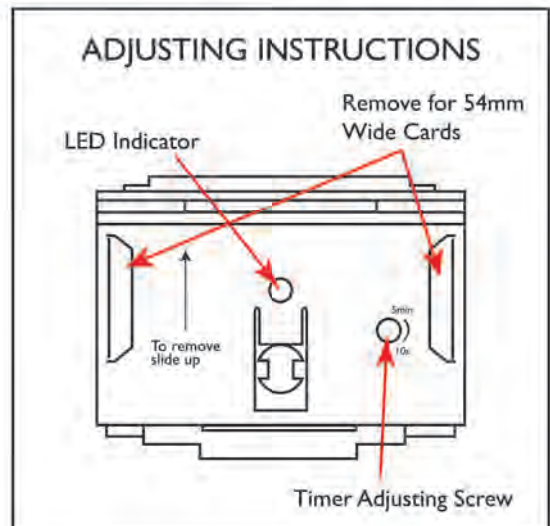


C11/CKNX

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>US13</p>	 <p>MOD-ENG13A</p>
120.6mm		 <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*


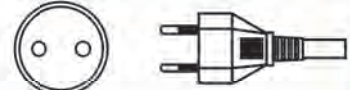
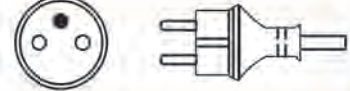
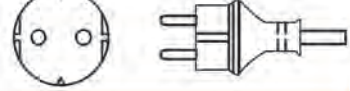

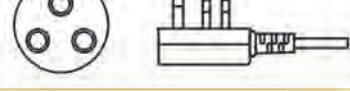
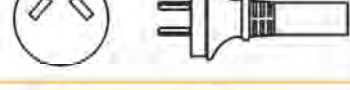





\*Requires 47mm deep mounting box

### 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:

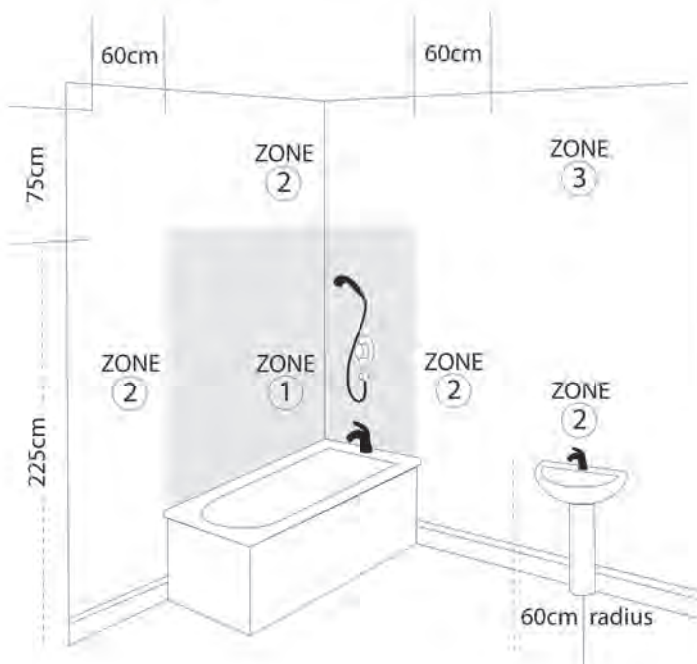
**BS EN ISO Standard:** BS EN 61558  
 BS 4573

### 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



### 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:

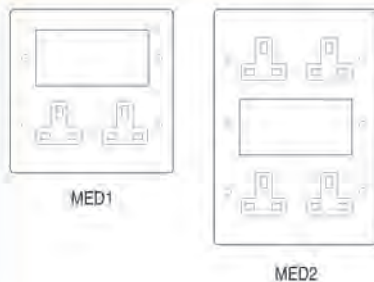
<b>BS EN ISO Standard:</b>	(Socket) BS 1363-2
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### TERMINAL CAPACITY:

	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



# 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 Fuse with halo	BS 1363-4 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.



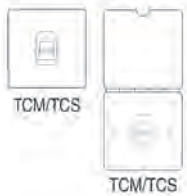




**Note for SATI only:** Isolated F-type satellite outlet, where a DC signal back to the LNB unit on the satellite dish is not required.

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>TV   SATI / SATN</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+		

#### EUROFIX DIGITAL TV SOCKET MODULES

Fits one Euro1 aperture		MOD-DSAT MOD-DTVf MOD-DTVM
Fits one Euro2 aperture		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\*

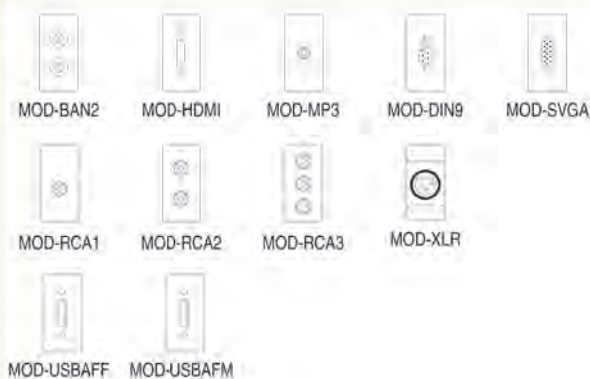
### TECHNICAL SPECIFICATION:

<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	<b>Location:</b>	Internal Use Only
	0.6A Twin	<b>Max Installation Altitude:</b>	2000m
<b>Standby Current:</b>	1.3mA Single	<b>Module Dimensions:</b>	25 x 50mm Single
	2.0mA Twin		50 x 50mm Twin
<b>Max Load Output:</b>	1.0A per socket	<b>STANDARDS:</b>	
<b>Charging Output:</b>	5Vdc ± 5%	<b>BS EN ISO Standard:</b>	IEC 60950-1
<b>Output Connector:</b>	USB Type A		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  $\pm$  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



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## 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



1X2V



2X2V



1X3V



D2V

**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**
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#### 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
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60.3mm



120.6mm



Fits one Grid-IT aperture



D40

# Hamilton<sup>®</sup> 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 (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

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

## 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

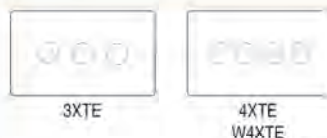
60.3mm



Fits one Grid-IT  
aperture



120.6mm



**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



# Hamilton<sup>®</sup> 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	1-10V 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>DIP /DPS</p>	 <p>DHF</p>
120.6mm	 <p>3X5A      4X5A</p>	Fits 1 Grid-IT aperture	

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

## 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

Fits 1 Grid-IT aperture



GN

#### GRID-IT NEON ONLY MODULES



GNO



GNH-PCR



GNH-DND



GN-MAID



GN-BELL

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

## 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

			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			

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>				
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			

280mm

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>				
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			

210mm

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