

A photograph of a trade show booth for Hamilton. The booth is primarily white with a curved, illuminated top section. The Hamilton logo is prominently displayed on the left. In the background, there are glass display cases containing various items, and a sign for 'HURLING The Bath Company' is visible. The floor is made of light-colored wood. The overall atmosphere is clean and modern.

Hamilton[®]

Technical Specifications

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 ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
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



R21/R212



R22/R222



R23



R31/R312



R32/R322



RRT



CFXRRT



K21



KEL

120.6mm



R232



R24/R242



R26

GRID-IT SWITCH INSERTS Fits 1 Grid-IT aperture



GR2WO
GRR2W



GR212
GR312



GK21



GKEL



GRRT

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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: TRT
Description: 1 gang 10AX Push to Make/Break Retractive Toggle

6Amp Bell Push Switch Only available in the Bloomsbury range

Current Rating: 6 Amp
Max Load: 6 Amp

Technical Insert Ref: BPM
Description: 1 gang 240V AC 6A Bell Push

Technical Specification:

Voltage: 220/250V AC
IP Rating: IP2XD
Switched Poles: Single*
Contact Gap Minimum: 3mm
Product Class 1: Must be earthed
Ambient Operating Temperature: -5° to +40°C
Location: Internal Use Only
Max Installation Altitude: 2000m

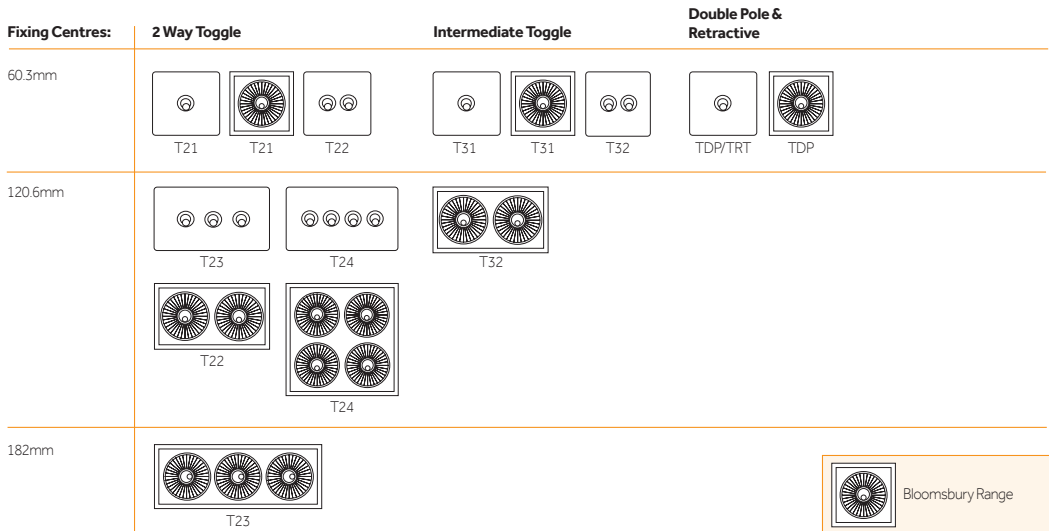
Standard Hamilton manufactured electrical accessories are designed to be mounted on BS4662:2006 flush wall boxes.

Standards:

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

Terminal Capacity:

	1mm ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
Terminal Capacity	5	4	2	2	1
Earth Terminal Capacity	6	5	3	2	1



Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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 ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²	10mm ²	16mm ²
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		

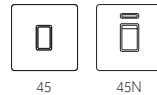
Fixing Centres:

60.3mm
DPNC Cable Outlet
Size: Min 0.75mm²
Max 2.5mm²

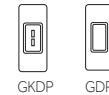
20Amp DP Rocker Switch



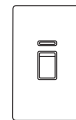
45Amp DP Rocker Switch



GRID-IT MODULE Fits 1 Grid-IT aperture

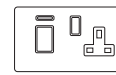


120.6mm



45V
Vertically mounted

DP ROCKER WITH SOCKET



45SS1

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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 ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
Terminal Capacity 10AX	5	4	1	1	1
Earth Terminal Capacity	5	4	3	1	1

Fixing Centres:**Triple Pole Fan Isolator**

60.3mm



Hotel Card Switches

Category:

Hotel Card Switch

Current Rating: 10A (6AX)
Max Load: 10 Amp (6 Amp inductive)

Technical Insert Ref: C11
Description: 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

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 ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
Terminal Capacity	3	2	1		
Earth Terminal Capacity	5	4	3	1	1

Fixing Centres: Card Switch EuroFix Card Switch

60.3mm

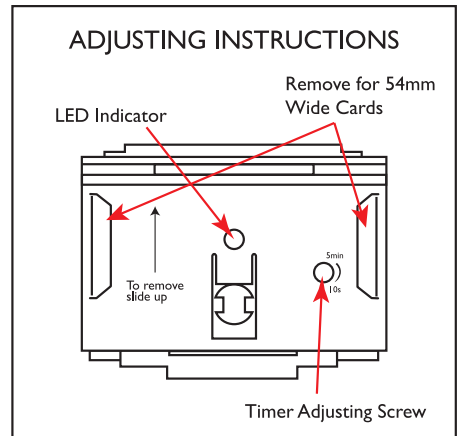


C11

Fits into one Euro2 aperture



MOD-C11



Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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:

Current Rating:	13 Amp
Voltage:	220/250V AC
IP Rating:	IP2XD
Max Load:	13 Amp
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
Dual Earth:	Yes

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

Standards:

BS EN ISO Standard:	BS 1363-2 Inc. amendment 1,2,3
ASTA Licence No:	1046 (SS1 and SS2 only)

Terminal Capacity:

	2.5mm ²	4mm ²	6mm ² Multi-Strand	10mm ²
Terminal Capacity	4	3	2	1
Earth Terminal Capacity	4	3	2	1

Fixing Centres:

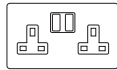
13A Switched Sockets

60.3mm



SS1

120.6mm



SS2

Fixing Centres:

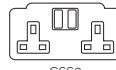
60.3mm grid to wall box
49.2mm plate to grid

120.6mm grid to wall box
106.5mm plate to grid

Grid-IT Switched Sockets Modules



GSS1



GSS2

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:

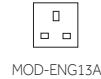
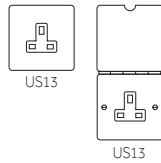
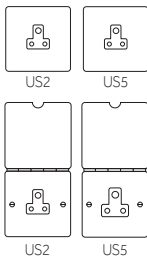
BS EN ISO Standard:
 2A and 5A Unswitched BS 546
 13A Unswitched BS 1363-2

Terminal Capacity:

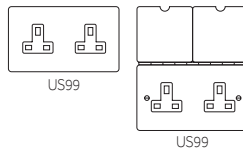
	1mm ²	1.5mm ²	2.5mm ²	4mm ²	6mm ² Multi-strand	10mm ²
2A and 5A Terminal Capacity	5	4	2	1		
2A and 5A Earth Terminal Capacity	5	4	2	1		
13A Terminal Capacity			3	3	2	1
13A Earth Terminal Capacity			3	3	2	1

Fixing Centres: 2A & 5A Unswitched Sockets 13A Unswitched Sockets Eurofix 13A Unswitched Socket Module

60.3mm



120.6mm



Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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

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 ²	4mm ²	6mm ² Multi-stranded	10mm ²
13A and 16A Socket	3	3	2	1
15A Universal Socket Module	3	2	1	

Fixing Centres:

60.3mm

Socket Modules



MOD-USA



MOD-UNIV*



MOD-GER16A*

120.6mm




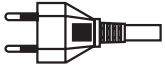

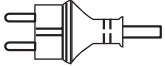

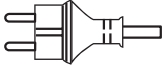

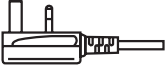

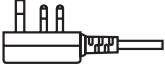












*Requires 47mm deep mounting box

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.

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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	 

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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:

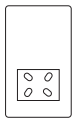
BS EN ISO Standard: BS EN 61558
BS 4573

Terminal Capacity:

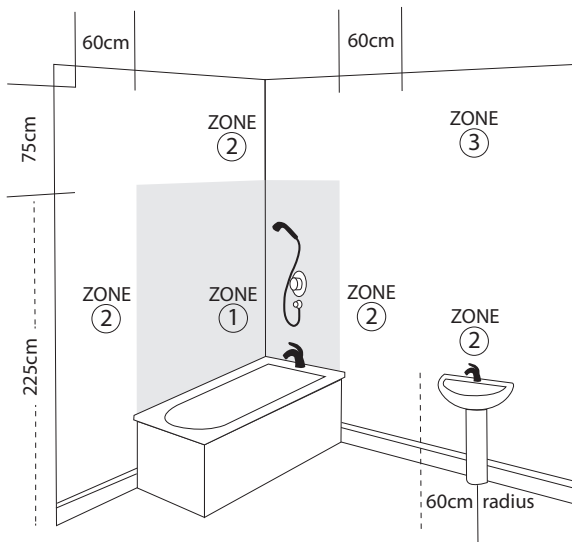
	1mm ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
Terminal Capacity	5	4	3	2	1
Earth Terminal Capacity	9	6	4	2	1

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.

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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:

Current Rating:	13 Amp
Voltage:	220/250V AC
Max Load Output:	13 Amp Socket
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

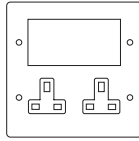
Standards:	
BS EN ISO Standard:	(Socket) BS 1363-2

Terminal Capacity:

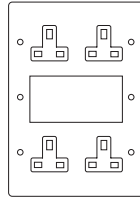
	2.5mm ²	4mm ²	6mm ² Multi-Strand	10mm ²
Terminal Capacity	3	3	2	1
Earth Terminal Capacity	3	3	2	1

Fixing Centres: Media Plates EURO4 Apertured with 13A Unswitched Socket

120.6mm



MED1



MED2

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

Connection Units

TECHNICAL SPECIFICATIONS

Category:

Switched Fused Connection Unit

Technical Insert Ref:	Description:
SP	1 gang 13A Double Pole Fused Spur
SPN	1 gang 13A DP Fused Spur + Neon
SPNC	1 gang 13A DP Fused Spur + Neon + Cable Outlet

13A Fuse with Red Neon Halo

FN	1 gang 13A Fuse with Red Neon Halo
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Grid-IT 13A Fuse with Neon Halo Module

GFN	13A Fuse with Neon Halo
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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
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Unswitched Connection Unit

Switched Poles:	None
Contact Gap Min:	None
Technical Insert Ref:	Description:
FO	1 gang 13A Fuse Only
FOC	1 gang 13A Fuse + Cable Outlet

Technical Specification:

Current Rating:	13 Amp
Voltage:	220/250V AC
Max Load:	13 Amp
IP Rating:	IP2XD
Switched Poles (SP, SPN, SPNC):	Double
Contact Gap Minimum:	3mm
Product Class 1:	Must be earthed
Grid-IT Product Class 1:	Face plate must be earthed
Ambient Operating Temperature:	-5° to +40°C
Cable Outlet Size Flexible:	Min 0.75mm ² Max 2.5mm ²
Cable Outlets Fitted with Clamp:	Yes
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:	
Switched Fuse/Unswitched	BS 1363-4
Fuse with halo	BS 5733
Fuse with halo + fuselink	BS 5733 and BS1362
Cable outlet	BS 5733

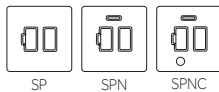
Terminal Capacity:

	1mm ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
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:

60.3mm

Switched Fuse



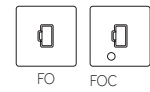
Fuse with Halo



Cable Outlet



FUSE uNIT



Fits one Grid-IT aperture



Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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:

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

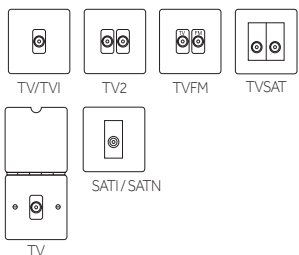
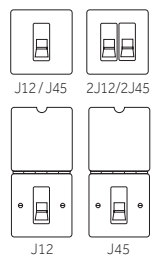
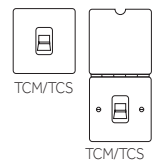
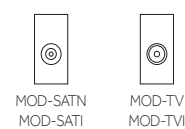


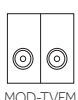
Note: Mains operated and extra low voltage products must not be installed in the same face plate aperture. When installing within the same back box a suitable barrier MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.

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 ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
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-SATI MOD-TV MOD-TVI</p>	 <p>MOD-J12 MOD-J45-C5 MOD-J45-C6 MOD-J45-C6S</p>	 <p>MOD-TCM MOD-TCS</p>
Fits one Euro2 aperture	 <p>MOD-TVFM</p>		

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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:

IP Rating:	IP2XD
Product Class 1:	Must be earthed (ref BS7671 415.2.1)
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.

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.

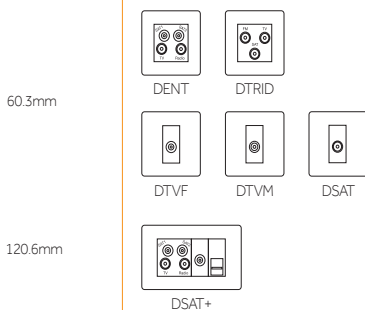
Terminal Capacity:

	1mm ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
Earth Terminal Capacity	5	4	3	1	1

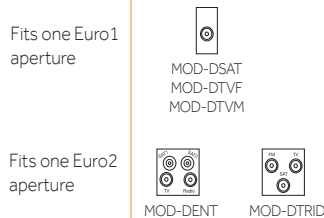
Frequencies:

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



EUROFix Digital Tv Socket Modules



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:	
MOD-BAN2	4mm Suitable for 'Banana' plugs 2 x Gold Binding Post Socket*

EuroFix AV/Audio/HDMI Sockets

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

Technical Insert Ref:	Description:
MOD-RCA1	1 x Gold Phone/Audio Socket**
MOD-RCA2	2 x Gold Phone/Audio Socket**
MOD-RCA3	3 x Gold Composite Video/Audio**

Current Rating:	15 Amp
Voltage:	120VAC
Contact Resistance:	5mW Max

MOD-XLR	Latching Audio Connector 3 Pin XLR Socket*
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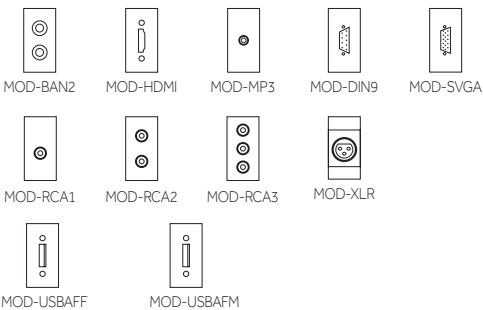
Technical Specification:

IP Rating:	IP2XD
Ambient Operating Temperature:	-5° to +40°C* -25° to +70°C**
Location:	Internal Use Only
Max Installation Altitude:	2000m
Module Dimensions:	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



EuroFix USB Charger Module

Category:

EuroFix USBx2 Charger Module

Technical Insert Ref: MOD-USBx2-CHARGER W/B	Description: Eurofix Twin USB Charger Module
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Technical Specification:

Voltage (Twin):	180/250 Vac 50-60Hz	Product Class 1:	Must be earthed
Current Rating (at full load):	2.0A Twin 1A Per Socket	Ambient Operating Temperature:	0° to +40°C
Standby Current:	1.3mA Single 2.0mA Twin	Location:	Internal Use Only
Max Load Output:	1.0A per socket	Max Installation Altitude:	2000m
Charging Output:	5Vdc ± 5%	Module Dimensions:	50 x 50mm Twin
Output Connector:	USB Type A		
Contact Gap Minimum:	5mm		

Standards:
BS EN ISO Standard: IEC 60950-1
IEC 61000-6-1/3

Compliance:

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

Terminal Capacity

	1.0mm ²	1.5mm ²	2.5mm ²
Terminal Capacity	2	2	3

Ensure that the power is switched off or power is isolated before attempting to install or connect the charger.
The charger terminals will accept up to 2.5mm² conductor.

Eurofix USB TWIN Charger Module

Fits one Euro2 aperture

MOD-USBx2-CHARGER



USB Charging /Power Sockets

Category:

Charging /Power Sockets

Technical Insert Ref:	Description:
SS1USB	Single USB Charger 1 gang 13A Switched Socket, 5V 2.1A

Charging / Power Sockets

Technical Insert Ref:	Description:
SS2USB	Twin USB Chargers and 2 gang 13A Switched Socket, 5V 2.1 A & 5V 1.A

Ultra Charging /Power Sockets

Technical Insert Ref:	Description:
SS2USB ULTRA	Twin USB Charger and 2 gang 13A Switched Socket, 5V Dual 2.4A - 4.8A total

Technical Specification: ss1 usb / ss2 usb

Socket Current Rating:	13A
USB Current Rating:	0.128A
Voltage:	AC 200-250V 50-60Hz
USB Max Load Output:	2.1A + 1A For SS2 2.1A For SS1
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

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
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Technical Specification: ss2 usb ultra

Socket Current Rating:	13A
USB Current Rating:	0.128A
Voltage:	AC 200-250V 50-60Hz
USB Max Load Output:	4.8A total for 2 outlets
USB Charging Output:	5Vdc ± 5% 4.8A 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

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

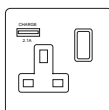
Standards:

BS EN ISO Standard:	BS1363-2 BS5733 EN60950
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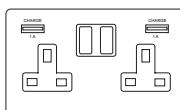
Terminal Capacity for 13A Unswitched Socket:

	2.5mm ²	4mm ²	6mm ² Multi-Strand	10mm ²
Terminal Capacity	3	3	2	1
Earth Terminal Capacity	3	3	2	1

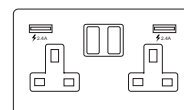
Twin USB/Power Socket



SS1USB



SS2USB



SS2USBULT

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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.

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

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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 ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
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.

More information can found on our website, visit www.hamilton-litestat.com

LED Dimming

Technical Specification:

Category: LEDSTAT DIMMER	Category: LED IT B 100
<p>Intelligent LED Dimmer 2 Operating Modes Trailing Edge: 100W Max Leading Edge: 75W Max Compatible With Retractive / Push To Make</p> <p>BUILT IN - Short Circuit Protection.</p> <p>Soft start up & down feature helps extend lamp life.</p>	<p>Intelligent LED Dimmer 2 Operating Modes Trailing Edge: 100W Max Leading Edge: 100W Max 1 To 10 Leds Max</p> <p>BUILT IN - Short Circuit Protection.</p> <p>Soft Start up & down feature helps extends lamp life.</p> <p>Thermo Circuit protection activates if dimmer rises above 110°c, after cooling, dimmer resumes normal operation.</p> <p>Plastic Plates with 2 or more dimmers must be de rated to 70W per gang.</p>

LEDITB100 Compatibility Table

Dimmer:	H-LEDITB100-GR	Insert Code:	1XLEDITB100 / LEDITB100
Rating:	5-100W (Halogen/Incandescent) 5-100W (LED / 10 Lamps Max)	Dimming Mode:	Leading Edge / Trailing Edge

LED Manufacturer	Description	Product Code	Wattage	Date Tested	Qty Tested	Quality (0-5)	Additional Notes
All LED	High Output LED GU10 5.5W	AGU501D	5.5W	Aug 2017	1-10	4	
All LED	Fire-Rated LED Downlight	ACFD8/30	8W	Aug 2017	1-10	4	
Aurora	Dimmable LED GU10	AU-DGU107	7W	Nov 2016	1-10	4	
Aurora	Dimmable LED GU10 PAR20	AU-DP208	8W	Nov 2016	1-10	4	
Aurora	M7 Fire-Rated LED Downlight	AU-FRLD711B	6W	Nov 2016	1-10	4	Set minimum level
Aurora	MPRO Fire-Rated LED Downlight	AU-MPRO1	7W	Nov 2016	1-10	4	
Collingwood	H5 Trimless	DL282WHWWDIM	5.5W	Sept 2017	1-10	4	
Collingwood	Halers H2 Lite	DL388MW5530	5.8W	Feb 2017	1-10	5	
Collingwood	Halers H2 Pro 550	DL3566027	8.5W	Jan 2017	1-10	4	Set minimum level
Collingwood	Halers H2 Pro 700	DL2425530	11W	Aug 2018	1-9	4	Only use latest modules with "A" in batch numbers
Enite	Dimmable LED GU10	EN-DGU005/27	5W	Nov 2016	1-10	4	Set minimum level
Enite	Fixed Fire Protection Downlight	EN-DES	5W	Nov 2016	1-10	4	
Enite	Fixed Fire Protection Downlight	EN-DE8	8W	Nov 2016	1-10	5	
GAP Lighting	Dimmable LED GU10	L-6	6W	Nov 2016	1-10	4	
GAP Lighting	Fire-Rated Recessed Downlight	DLX10	10W	Nov 2016	1-3	4	
JCC	Hybrid 7 Fire-Rated Downlight	JC94701	7.2W	Nov 2016	1-10	4	Set minimum level
JCC	Hybrid 9 Fire-Rated Downlight	JC94901WH	9W	Nov 2016	1-10	4	Set minimum level
Kingshield	Fire-Rated Downlight	LEDDL3000K	9W	July 2016	1-6	4	
Megaman	U-Dim LED Reflector GU10 PAR16	141324	5W	May 2017	1-10	4	
Megaman	U-Dim LED Reflector GU10 PAR16	141726	5.5W	May 2017	1-10	4	
Megaman	LED Reflector GU10 PAR16	141401	6W	June 2017	1-10	4	Use Leading Edge
Megaman	Dim-To-Warm GU10 PAR16	141806	6W	May 2017	1-10	4	
Megaman	U-Dim LED Reflector GU10 PAR16	142202	7W	May 2017	1-10	4	Set minimum level
Philips	Master LEDspot MV Value GU10		4.3W	Feb 2017	1-10	4	Set minimum level

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

Gridstat Kit

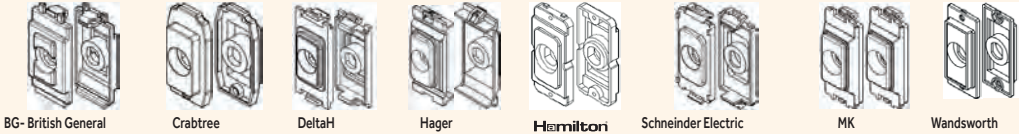
Technical Specification:

The Grid Kit enables the LED Dimmer range to be mounted to Hamilton Grid fix grids & front plates. It also includes adaptors allowing Hamilton LED Dimmers to be mounted to third party grid systems including BG, Crabtree, DeltaH, Hager, Schneider Electric, MK & Wandsworth.

The Gridstat kit includes

- 8 Adaptors
- 2 Dimmer Knobs (2 sizes)
- 1 Dimmer nut tool

Hamilton LED Grid Kit includes two different sized dimmer knobs and compatible adaptors for many popular grid based / clip-in switch plates detailed below



GRID100LED Compatibility Table

Dimmer: H-LEDSTAT-GR
Rating: 5-100W (Halogen/Incandescent)
 5-100W (LED Trailing Edge)
 5-75W (LED Leading Edge)

Insert Code: 1X100LED / GRID100LED
Dimming Mode: Leading Edge / Trailing Edge

LED Manufacturer	Description	Product Code	Wattage	Date Tested	Qty Tested	Quality (0-5)	Additional Notes
All LED	High Output LED GU10	AGU501D	5.5W	Aug 2017	1-10	4	
All LED	LED Dimmable GU10	AGU10007D/30	7W	May 2016	1-10	4	Leading Edge is Better
All LED	Fire-Rated IP65 LED Downlight	ACFD8/30	8W	Aug 2017	1-10	4	
Aurora	LED Dimmable GU10	AU-DGU107	7W	Nov 2016	1-10	4	
Aurora	LED Dimmable GU10 PAR20	AU-DP208	8W	Nov 2016	1-10	4	
Aurora	MPRO Fire-Rated LED Downlight	AU-MPRO1	7W	Nov 2016	1-10	4	
Collingwood	H5 Trimless	DL282WHWWDIM	5.5W	Sept 2017	1-10	4	
Collingwood	H2 Lite Fire-Rated LED Downlight	DL388MW5530	5.8W	Feb 2017	1-17	5	
Collingwood	Halers H2 Pro 550	DL3566027	8.5W	Jan 2017	1-10	4	Set Minimum level
Collingwood	Halers H2 Pro 700	DL2425530	11W	Aug 2018	1-8	4	8 Fittings Maximum
Enite	Dimmable LED GU10	EN-DGU005/27	5W	Nov 2016	1-10	4	
Enite	Dimmable LED GU10	EN-DGU005H/30	5W	Nov 2016	1-10	4	
Enite	Fixed Fire Protection Downlight	EN-DES	5W	Nov 2016	1-10	4	
Enite	Fixed Fire Protection Downlight	EN-DE8	8W	Nov 2016	1-10	5	
Kingshield	Dimmable LED Downlight	LEDDL3000K	9W	July 2016	1-6	4	
KSR	Dimmable LED GU10	DSRLP930	4.8W	April 2016	1-10	4	
KSR	Fire-Rated Downlight	KSRFRD262	8W	April 2016	1-10	3	
LAP	Dimmable LED GU10		5W	Jan 2015	1-5	4	
Luceco	Dimmable LED GU10	LGDC5W37-02	5W	July 2016	1-10	4	Set Minimum level
Lumliffe	E14 Candle	E14-CAN-SW-2700K-F-D	5W	April 2016	1-10	4	
Luxna	Dimmable LED GU10	FXLEDGU10/7WWDD	7W	June 2016	1-10	4	Set Minimum level
Modo by Megaman	Dimmable LED GU10 PAR16	141317	5W	Jan 2016	1-10	4	
Megaman	U-Dim LED Reflector PAR16	141324	5W	May 2017	1-10	4	
Megaman	U-Dim LED Reflector PAR16	141726	5.5W	May 2017	1-10	4	
Megaman	GU10 LED Reflector	141401	6W	June 2016	1-10	4	
Megaman	Dim-to-Warm GU10 PAR16	141806	6W	May 2017	1-10	4	
Megaman	U-Dim LED Reflector	142202	7W	May 2017	1-10	4	
Megaman	E14 Candle	143167	5W	Sept 2015	1-12	4	Set Minimum level
Megaman	Fire-Rated VesalED	F28851RC	8W	Oct 2017	1-9	4	
Osram	Parathom Advanced PAR16 GU10		5.5W	Mar 2016	1-10	4	
Photonstar	EcoStar 600+	ECO600+30-MW-UNI	5.8W	Oct 2017	1-10	4	
SavelLight	Dimmable LED GU10	HALO-DF5W-4K	5W	Sept 2017	1-6	4	
Vesta	Dimmable LED GU10	VESCO8GU1052D860	5.2W	Sept 2015	1-10	4	Set Minimum level

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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 SPECIFICATIONS

Technical Specification:

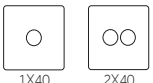



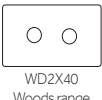

Voltage: 220/250V AC
IP Rating: IP2XD
Switched Poles: Single*
Contact Gap Minimum: N/A**
Product Class 1: Face plate must be earthed
Ambient Operating Temperature: -5° to +40°C
Location: Internal Use Only
Max Installation Altitude: 2000m

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

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

Terminal Capacity:

	1mm ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
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

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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.

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

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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 SPECIFICATIONS

Technical Specification:

Wattage:	250W Resistive 210VA Inductive
Current Rating:	1.1 Amp per gang
Max Load:	250W Resistive 210VA Inductive
Minimum Load:	25W/25VA
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.

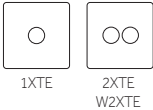

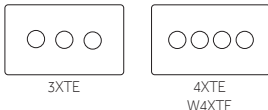
Standards:

BS EN ISO Standard: BS EN 60669-2-1

Terminal Capacity:

	1mm ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
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).

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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
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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:

Wattage:	250W Resistive 210VA Inductive
Current Rating:	1.1 Amps
Max Load:	250W Resistive 210VA Inductive
Minimum Load:	25W/VA
Voltage:	220/250V AC
IP Rating:	IP2XD
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:

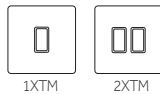
BS EN ISO Standard: BS EN 60669-2-1

Terminal Capacity:

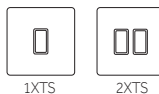
	1mm ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
Terminal Capacity	2	2			
Earth Terminal Capacity	5	4	3	1	1

Fixing Centres:

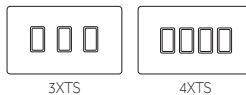
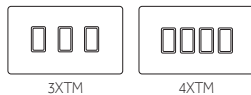
60.3mm



Touch Slave Controller



120.6mm



Grid-IT Touch Master Dimmer Module

Grid-IT Touch Slave Controller Module

Fits 1 Grid-IT aperture



Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

Push on/off Switches and Ballast Controller

Category:

White Plastic Push on/off Switch

Current Rating:	5 Amps
Voltage:	230/240V AC
Technical Insert Ref:	Description:
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

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

Grid-IT High frequency Ballast Control Module

Current Rating:	1-10V
Technical Insert Ref:	Description:
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:

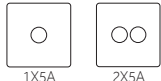


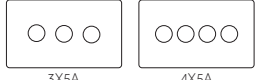
Voltage:	220/250V AC
IP Rating:	IP2XD
Contact Gap Minimum:	3mm
Product Class 1:	Face plate must be earthed
Ambient Operating Temperature:	-5° to +40°C
Location:	Internal Use Only
Max Installation Altitude:	2000m

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

Standards:
BS EN ISO Standard:
Push on/off switch BS EN 60669-1

Terminal Capacity:

	1mm ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
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>		

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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:

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

Standards:	
BS EN ISO Standard:	BS 5733

Terminal Capacity:

	1mm ²	1.5mm ²	2.5mm ²	4mm ² Multi-Strand	6mm ²
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

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

Large Plates Dimensions

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

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

TECHNICAL SPECIFICATIONS

150mm

			Tungsten Filament including halogen	
No. Items per plate	Dimmer type	Max load per plate	Min load per gang	Max load per gang
Metal Plates				
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
Wood Plates				
6	400	1200	40	200
6	TE	1200	25	200
8	TE	1600	25	200
All Plates				
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
Metal Plates				
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
All Plates				
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
Metal Plates				
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
Wood Plates				
9	400	1800	40	200
9	TE	1800	25	200
12	TE	2250	25	200
All Plates				
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
Metal Plates				
12	400	2400	40	200
12	TM, TE	2400	25	250
4	600	2400	100	550
3	1000	2400	150	800
All Plates				
18	Grid rockers, toggle, touch slave			

210mm

See dimmer information for Linea Halogen and GU10 LED

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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 50mm 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

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.

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:

G-KEY Spare Key for Key Switch
D-KIT Dimmer Inlay + Knob Kit

Technical Insert Ref: Description:

MOD-KEYSTONE Suitable for Keystone type insert
MOD-TIDY Cable Outlet Tidy with brushes

Due to constant changes in regulations, etc. users should satisfy themselves there have been no amendments.