


	<i>R21</i>	<i>R22</i>	<i>R23</i>	<i>R24</i>	<i>R26</i>	<i>R31</i>	<i>R32</i>	<i>BCP</i>	<i>TP</i>
Insert type	2 way Rocker	2 way Rocker	2 way Rocker	2 way Rocker	2 way Rocker	intermediate Rocker	Intermediate Rocker	Push to Make Rocker	Rocker
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	88mm	88mm	88mm			88mm	88mm	88mm	88mm
Size (single) width	88mm	88mm	88mm			88mm	88mm	88mm	88mm
Size (single) depth	5mm	5mm	5mm			5mm	5mm	5mm	5mm
Size (double) height				85mm	85mm				
Size (double) width				144mm	144mm				
Size (double) depth				5mm	5mm				
Box fixing hole centres	60.3mm	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	60.3mm	60.3mm	60.3mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland plates. For full details refer to GRID-IT technical pages and GRID-IT catalogue								
Minimum wall box depth	25mm	25mm	25mm	25mm	25mm	25mm	25mm	25mm	25mm
Wattage									
Current rating	10AX	10AX	10AX	10AX	10AX	10AX	10AX	10AX	10A
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC
Max load	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp resistive
Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles	Single	Single	Single	Single	Single	Single	Single	Single	Triple
Contact Gap Minimum	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm
Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
Earth Terminal Capacity	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²
	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
Product Class 1	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1
Cable outlet (min)									
Cable outlet (max)									
Additional Notes :									

	<i>S21</i>	<i>S22</i>	<i>S23</i>	<i>S24</i>	<i>S31</i>	<i>SDP</i>	<i>SBCP</i>	<i>SS1</i>	<i>SS2</i>
Insert type	2 way Dolly	2 way Dolly	2 way Dolly	2 way Dolly	Intermediate Dolly	Double Pole Dolly	Push to Make Dolly	Switched Socket	Switched Socket
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	88mm	88mm			88mm	88mm	88mm	88mm	
Size (single) width	88mm	88mm			88mm	88mm	88mm	88mm	
Size (single) depth	5mm	5mm			5mm	5mm	5mm	5mm	
Size (double) height			85mm	85mm					85mm
Size (double) width			144mm	144mm					144mm
Size (double) depth			5mm	5mm					5mm
Box fixing hole centres	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	60.3mm	60.3mm	60.3mm	120.6mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland plates. For full details refer to GRID-IT technical pages and GRID-IT catalogue								
Minimum wall box depth	35mm	35mm	35mm	35mm	35mm	35mm	35mm	35mm	35mm
Wattage									
Current rating	20AX	20AX	20AX	20AX	20AX	20AX	10AX	13 amps	13 amps
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	250v AC	250v AC	220/250V AC	220/250V AC
Max load	20amp inductive	20amp inductive	20amp inductive	20amp inductive	20amp inductive	20amp inductive	10amp inductive	13amps	13amps
Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles	Single	Single	Single	Single	Single	Single	Single	Double	Double
Contact Gap Minimum	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm
Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	4 x 2.5mm ²	4 x 2.5mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	3 x 4mm ²	3 x 4mm ²
	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 6mm ² Multi-Strand	2 x 6mm ² Multi-Strand
	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	1 x 10mm ²	1 x 10mm ²
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²		
Earth Terminal Capacity	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	4 x 2.5mm ²	4 x 2.5mm ²
	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	3 x 4mm ²	3 x 4mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	2 x 6mm ² Multi-Strand	2 x 6mm ² Multi-Strand
	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	1 x 10mm ²	1 x 10mm ²
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²		
Product Class 1	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5°C to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS 1363	BS 1363
Cable outlet (min)									
Cable outlet (max)									
Additional Notes :									


	<i>US2</i>	<i>US5</i>	<i>SHS</i>	<i>SP</i>	<i>SPN</i>	<i>SPNCO</i>	<i>FO</i>	<i>FOCO</i>
Insert type	Unswitched Socket	Unswitched Socket	Shaver Socket (<i>Vertical</i>)	Spur	Spur & neon	Spur, neon, cable outlet	Fuse only	Fuse & cable outlet
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	88mm	88mm		88mm	88mm	88mm	88mm	88mm
Size (single) width	88mm	88mm		88mm	88mm	88mm	88mm	88mm
Size (single) depth	5mm	5mm		5mm	5mm	5mm	5mm	5mm
Size (double) height			144mm					
Size (double) width			85mm					
Size (double) depth			5mm					
Box fixing hole centres	60.3mm	60.3mm	120.6mmV	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland plates. For full details refer to GRID-IT technical pages and GRID-IT catalogue							
Minimum wall box depth	35mm	35mm	47mm	35mm	35mm	35mm	35mm	35mm
Wattage								
Current rating	2 amps	5 amps	20VA	13amps	13amps	13amps	13amps	13amps
Voltage	220/250V AC	220/250V AC	220/240V AC	250v AC	220/250V AC	220/250V AC	250v AC	250v AC
Max load	2amps	5amps	200/240v input; 115/230v output	13amps	13amps	13amps	13amps	13amps
Hz	50/60Hz	50/60Hz	50Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles	n/a	n/a	Single	Double	Double	Double		
Contact Gap Minimum	n/a	n/a	n/a	3mm	3mm	3mm	n/a	n/a
Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	4 x 1.5mm ²	4 x 1.5mm ²
	2 x 2.5mm ²	2 x 2.5mm ²	3 x 2.5mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	1 x 4mm ²	1 x 4mm ²	2 x 4mm ² Multi-Strand				1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
Earth Terminal Capacity			1 x 6mm ²				1 x 6mm ²	1 x 6mm ²
	5 x 1mm ²	5 x 1mm ²	9 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	6 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²
	2 x 2.5mm ²	2 x 2.5mm ²	4 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
1 x 4mm ²	1 x 4mm ²	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	
Product Class 1	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS 546	BS 546	BS EN 61558 - BS 4573	BS 1363	BS 1363	BS 1363	BS 1363	BS 1363
Cable outlet (min)						0.75mm ²		
Cable outlet (max)						2.5mm ²		
Additional Notes :								

It is the policy of the company to improve products as part of our development programme. Therefore, we reserve the right to alter designs and dimensions without prior notice.

	<i>DP</i>	<i>DPN</i>	<i>DPNCO</i>	<i>45DP</i>	<i>45DPN</i>	<i>45VDPN</i>	<i>45DPNSS1</i>
Insert type	Rocker	Rocker & neon	Rocker, neon & cable outlet	Red rocker	Red rocker & neon	Vertical red rocker & neon	Red rocker, neon & socket
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	88mm	88mm	88mm	88mm	88mm		
Size (single) width	88mm	88mm	88mm	88mm	88mm		
Size (single) depth	5mm	5mm	5mm	5mm	5mm		
Size (double) height							
Size (double) width						85mm	144mm
Size (double) depth						5mm	5mm
Box fixing hole centres	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm	120.6mmV	120.6mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland plates. For full details refer to GRID-IT technical pages and GRID-IT catalogue						
Minimum wall box depth	25mm	25mm	25mm	46mm	46mm	47mm	47mm
Wattage							
Current rating	20amp	20amp	20amp	45amp	45amp	45amp	Switch 45amp; socket 13amp
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC
Max load	20amps	20amp	20amps	45amp	45amps	45amp	Switch 45amp; socket 13amp
Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles	Double	Double	Double	Double	Double	Double	Double
Contact Gap Minimum	3mm	3mm	3mm	3mm	3mm	3mm	3mm
Terminal Capacity	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 6mm ²	3 x 6mm ²	3 x 6mm ²	3 x 6mm ²
	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 10mm ²	2 x 10mm ²	2 x 10mm ²	2 x 10mm ²
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 16mm ²	1 x 16mm ²	1 x 16mm ²	1 x 16mm ²
Earth Terminal Capacity	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	3 x 6mm ²	3 x 6mm ²	3 x 6mm ²	3 x 6mm ²
	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	2 x 10mm ²	2 x 10mm ²	2 x 10mm ²	2 x 10mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	1 x 16mm ²	1 x 16mm ²	1 x 16mm ²	1 x 16mm ²
	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand				
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²				
Product Class 1	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS 4177
Cable outlet (min)				0.75mm ²			
Cable outlet (max)				2.5mm ²			
Additional Notes :							

	<i>TV</i>	<i>TV2</i>	<i>TVFM</i>	<i>TVI</i>	<i>TV+SAT</i>	<i>SAT</i>	<i>SATI</i>							
Insert type	Aerial socket	Aerial socket	Aerial socket	Aerial socket	Aerial socket	Aerial socket	Aerial socket							
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal							
Size (single) height	88mm	88mm	88mm	88mm	88mm	88mm	88mm							
Size (single) width	88mm	88mm	88mm	88mm	88mm	88mm	88mm							
Size (single) depth	5mm	5mm	5mm	5mm	5mm	5mm	5mm							
Size (double) height														
Size (double) width														
Size (double) depth														
Box fixing hole centres	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm							
Grid fixing hole centres	Grid fixing inserts are available on Hartland plates. For full details refer to GRID-IT technical pages and GRID-IT catalogue													
Minimum wall box depth	25mm	25mm	25mm	25mm	35mm	35mm	35mm							
Wattage														
Current rating														
Voltage														
Max load														
Hz														
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD							
Poles														
Contact Gap Minimum														
Terminal Capacity														
Earth Terminal Capacity								5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
								4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
								3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
								1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²							
Product Class 1	Must be earthed if supply cable is metallic													
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C							
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only							
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m							
BS EN ISO Standard														
Cable outlet (min)														
Cable outlet (max)														
Additional Notes :	<p>Note Mains operated and extra low voltage products must not be installed in the same face plate aperture. When installing within the same back box , phase barriers MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.</p>													


It is the policy of the company to improve products as part of our development programme. Therefore, we reserve the right to alter designs and dimensions without prior notice.


	<i>DGTRI</i>	<i>DGTVF</i>	<i>DGTVM</i>	<i>DGSAT</i>	<i>DGENT</i>	<i>DGENT+TVF +TCS</i>	<i>TCM</i>	<i>TCS</i>	<i>RJ12</i>	<i>RJ12/2</i>	<i>RJ45</i>	<i>RJ45/2</i>	
Insert type	Digital Aerial socket	Digital Aerial socket	Digital Aerial socket	Digital Aerial socket	Digital Aerial socket	Digital Aerial socket	LJ Telephone master socket	LJ Telephone slave socket	6 wire Telephone socket	6 wire double Telephone socket	8 wire data socket	8 wire double data socket	
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	
Size (single) height	88mm	88mm	88mm	88mm	88mm		88mm	88mm	88mm	88mm	88mm	88mm	
Size (single) width	88mm	88mm	88mm	88mm	88mm		88mm	88mm	88mm	88mm	88mm	88mm	
Size (single) depth	5mm	5mm	5mm	5mm	5mm		5mm	5mm	5mm	5mm	5mm	5mm	
Size (double) height							85mm						
Size (double) width							144mm						
Size (double) depth							5mm						
Box fixing hole centres	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm	120.6mm	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm	
Grid fixing hole centres	Grid fixing inserts are available on Hartland plates. For full details refer to GRID-IT technical pages and GRID-IT catalogue												
Minimum wall box depth	35mm	35mm	35mm	35mm	35mm	35mm	25mm	25mm	35mm	35mm	35mm	35mm	
Wattage													
Current rating													
Voltage													
Max load													
Hz													
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	
Poles													
Contact Gap Minimum													
Terminal Capacity													
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
Product Class 1	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	Must be earthed if supply cable is	
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	
BS EN ISO Standard													
Cable outlet (min)													
Cable outlet (max)													
Additional Notes :	Note Mains operated and extra low voltage products must not be installed in the same face plate aperture. When installing within the same back box , phase barriers MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.												


It is the policy of the company to improve products as part of our development programme. Therefore, we reserve the right to alter designs and dimensions without prior notice.

Technical Info - Hartland


March 2009


	<i>P1X400</i>	<i>P2X400</i>	<i>P3X400</i>	<i>P4X400</i>	<i>P1X600</i>	<i>P1X1000</i>	<i>P1X200VA</i>	<i>P2X200VA</i>	<i>P1X300VA</i>		
Insert type	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (inductive)*	Dimmer (inductive)*	Dimmer (inductive)*	
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	
Size (single) height	88mm	88mm				88mm				88mm	
Size (single) width	88mm	88mm				88mm				88mm	88mm
Size (single) depth	5mm	5mm				5mm				5mm	5mm
Size (double) height			85mm	85mm			85mm				
Size (double) width			144mm	144mm			144mm				
Size (double) depth			5mm	5mm			5mm				
Box fixing hole centres	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	120.6mm	60.3mm	60.3mm	60.3mm		
Grid fixing hole centres	Grid fixing inserts are available on Hartland plates. For full details refer to GRID-IT technical pages and GRID-IT catalogue										
Minimum wall box depth	35mm	35mm	35mm	35mm	35mm	35mm	35mm	35mm	35mm	35mm	
Wattage	400w	400w	400w	300w	600w	1kw	200va (low voltage)	200va (low voltage) per gang	300 va (low voltage)		
Current rating	1.66 amps	1.66amps per gang	1.66amps per gang	1.25amps per gang	2.5 amps	4.16amps	0.8 amps	0.8 amps	1.25 amps		
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC		
Max load	400w resistive	400w resistive per gang	400w resistive per gang	300w resistive per gang	600w resistive	1kw resistive	200va (low voltage)	200va per gang (low voltage)	300va (low voltage)		
Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50Hz	50 Hz		
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD		
Poles	Single	Single	Single	Single	Single	Single	Single	1	Single		
Contact Gap Minimum	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
Terminal Capacity	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²		
	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²		
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²		
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²		
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²		
	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	
Product Class 1	When dimmer modules are fitted to a metal face plate, the face plate must be earthed										
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	
BS EN ISO Standard	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS 5518				BS 5518		
Cable outlet (min)											
Cable outlet (max)											
Additional Notes :	<p>* Denotes LEADING EDGE TECHNOLOGY DIMMERS. Resistive dimmers are suitable for control of incandescent lamps. When dimming GU10 type mains halogen or linear halogen lamps the dimmers need to be derated by 25%. When used for dimming low voltage electronic halogen transformers, it must be noted that the dimmer controls the primary side of the transformer. It is important that you seek advice from the transformer manufacturer that their transformers are suitable to be dimmed by a leading edge type dimmer and that it is compatible with a Hamilton manufactured, resistive, leading edge dimmer. Inductive dimmers are suitable for dimming Laminated or Toroidal type low voltage halogen transformers only.</p>										

	<i>P1XTE25</i>	<i>P2XTE25</i>	<i>P3XTE25</i>	<i>P4XTE25</i>	<i>1XTM25</i>	<i>2XTM25</i>	<i>3XTM25</i>	<i>4XTM25</i>
Insert type	Dimmer (resistive and inductive)*	Dimmer (resistive and inductive)*	Dimmer (resistive and inductive)*	Dimmer (resistive and inductive)*	Dimmer (resistive and inductive)*	Dimmer (resistive and inductive)*	Dimmer (resistive and inductive)*	Dimmer (resistive and inductive)*
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	88mm	88mm			88mm	88mm		
Size (single) width	88mm	88mm			88mm	88mm		
Size (single) depth	5mm	5mm			5mm	5mm		
Size (double) height			85mm	85mm			85mm	85mm
Size (double) width			144mm	144mm			144mm	144mm
Size (double) depth			5mm	5mm			5mm	5mm
Box fixing hole centres	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	60.3mm	120.6mm	120.6mm
Grid fixing hole centres								
Minimum wall box depth	35mm	35mm	35mm	35mm	35mm	35mm	35mm	35mm
Wattage	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive
Current rating	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC
Max load	250W Resistive 210VA Inductive	250W Resistive per gang 210VA Inductive per gang	250W Resistive per gang 210VA Inductive per gang	250W Resistive per gang 210VA Inductive per gang	250W Resistive 210VA Inductive	250W Resistive per gang 210VA Inductive per gang	250W Resistive per gang 210VA Inductive per gang	250W Resistive per gang 210VA Inductive per gang
Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles	Single	Single	Single	Single	n/a	n/a	n/a	n/a
Contact Gap Minimum	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Terminal Capacity	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²
	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²
Product Class 1	When dimmer modules are fitted to a metal face plate, the face plate must be earthed							
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1
Cable outlet (min)								
Cable outlet (max)								
Additional Notes :	* Denotes 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.							


	<i>1XTS</i>	<i>2XTS</i>	<i>3XTS</i>	<i>4XTS</i>	<i>BPS</i>	<i>BPD</i>	<i>EURO2</i>	<i>EURO4</i>				
Insert type	Touch Slave	Touch Slave	Touch Slave	Touch Slave	Single blank plate	Double blank plate	Single plate with 2 x Eurodata cutout	Double plate with 4 x Eurodata cut out				
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal (2 part)				
Size (single) height	88mm	88mm			88mm			88mm				
Size (single) width	88mm	88mm			88mm			88mm				
Size (single) depth	5mm	5mm			5mm			5mm				
Size (double) height			85mm	85mm			85mm	85mm				
Size (double) width			144mm	144mm			144mm	144mm				
Size (double) depth			5mm	5mm			5mm	5mm				
Box fixing hole centres	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	120.6mm	60.3mm	120.6mm				
Grid fixing hole centres												
Minimum wall box depth	35mm	35mm	35mm	35mm								
Wattage	N/A	N/A	N/A	N/A								
Current rating	n/a	n/a	n/a	n/a								
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC								
Max load	N/A	N/A	N/A	N/A								
Hz	50Hz	50Hz	50Hz	50Hz								
IP rating	IP2XD	IP2XD	IP2XD	IP2XD								
Poles	n/a	n/a	n/a	n/a								
Contact Gap Minimum	n/a	n/a	n/a	n/a								
Terminal Capacity	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²								
	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²								
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²					5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²					4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²					3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand					1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²					1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²
Product Class 1	When slave modules are fitted to a metal face plate, the face plate must be earthed											
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C								
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only				
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m				
BS EN ISO Standard	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1								
Cable outlet (min)												
Cable outlet (max)												
Additional Notes :							See Data & media catalogue for a full range of inserts.					

Technical Info - Hartland CFX
(read in conjunction with General Notes)


	R21	R22	R23	R24	R26	R31	R32	BCP	TP
Insert type	2 way Rocker	2 way Rocker	2 way Rocker	2 way Rocker	2 way Rocker	Intermediate Rocker	Intermediate Rocker	Push to Make Rocker	Rocker
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	86mm	86mm	86mm			86mm	86mm	86mm	86mm
Size (single) width	86mm	86mm	86mm			86mm	86mm	86mm	86mm
Size (single) depth (inc gasket)	5mm	5mm	5mm			5mm	5mm	5mm	5mm
Size (double) height				86mm	86mm				
Size (double) width				145mm	145mm				
Size (double) depth (inc gasket)				5mm	5mm				
Box fixing hole centres	60.3mm	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	60.3mm	60.3mm	60.3mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland CFX plates. Refer to GRID-IT Technical Pages and GRID-IT catalogue for full details.								
Minimum wall box depth	25mm	25mm	25mm	25mm	25mm	25mm	25mm	25mm	25mm
Wattage									
Current rating	10AX	10AX	10AX	10AX	10AX	10AX	10AX	10AX	10A
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC
Max load	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp inductive	10amp resistive
Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles	Single	Single	Single	Single	Single	Single	Single	Single	Triple
Contact Gap Minimum	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm
Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²	1 x 2.5mm ²
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
Earth Terminal Capacity	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²
	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²
Product Class 1	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1
Additional Notes :									

	<i>R21/20</i>	<i>R22/20</i>	<i>R23/20</i>	<i>R24/20</i>	<i>R31/20</i>	<i>R32/20</i>	<i>S21</i>	<i>S22</i>	<i>S23</i>	<i>S24</i>	<i>S31</i>	
Insert type	2 way Rocker	2 way Rocker	2 way Rocker	2 way Rocker	Intermediate Rocker	Intermediate Rocker	2 way Dolly	2 way Dolly	2 way Dolly	2 way Dolly	Intermediate dolly	
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	
Size (single) height	86mm	86mm			86mm	86mm	86mm	86mm			86mm	
Size (single) width	86mm	86mm			86mm	86mm	86mm	86mm			86mm	
Size (single) depth (inc gasket)	5mm	5mm			5mm	5mm	5mm	5mm			5mm	
Size (double) height			86mm	86mm					86mm	86mm		
Size (double) width			145mm	145mm					145mm	145mm		
Size (double) depth (inc gasket)			5mm	5mm					5mm	5mm		
Box fixing hole centres	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	60.3mm	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	
Grid fixing hole centres	Grid fixing inserts are available on Hartland CFX plates. Refer to GRID-IT Technical Pages and GRID-IT catalogue for full details.											
Minimum wall box depth	25mm	25mm	25mm	25mm	25mm	25mm	35mm	35mm	35mm	35mm	35mm	
Wattage												
Current rating	20AX	20AX	20AX	20AX	20AX	20AX	20AX	20AX	20AX	20AX	20AX	
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	
Max load	20amp inductive	20amp inductive	20amp inductive	20amp inductive	20amp inductive	20amp inductive	20amp inductive	20amp inductive	20amp inductive	20amp inductive	20amp inductive	
Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	
Poles	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	
Contact Gap Minimum	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm	3mm	
Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	
	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	
	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	
Earth Terminal Capacity	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	
	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	
	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	
	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	
Product Class 1	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5°C to +40°C	-5°C to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5°C to +40°C	
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	
BS EN ISO Standard	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	BS EN 60669-1	
Additional Notes :												


	<i>C11</i>	<i>K21</i>	<i>K21ELT</i>	<i>SS1</i>	<i>SS2</i>	<i>US2</i>	<i>US5</i>	<i>US13</i>	<i>US99</i>	<i>SHS</i>
Insert type	Card Switch	Key switch	Key switch EMG LTG TEST	Switched Socket	Switched Socket	Unswitched Socket	Unswitched Socket	Unswitched Socket	Unswitched Socket	Shaver Socket (Vertical)
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	86mm	86mm	86mm	86mm		86mm	86mm	86mm		
Size (single) width	86mm	86mm	86mm	86mm		86mm	86mm	86mm		
Size (single) depth (inc gasket)	5mm	5mm	5mm	5mm		5mm	5mm	5mm		
Size (double) height					86mm				86mm	145mm
Size (double) width					145mm				145mm	86mm
Size (double) depth (inc gasket)					5mm				5mm	5mm
Box fixing hole centres	60.3mm	60.3mm	60.3mm	60.3mm	120.6mm	60.3mm	60.3mm	60.3mm	120.6mm	120.6mm V
Grid fixing hole centres	Grid fixing inserts are available on Hartland CFX plates. Refer to GRID-IT Technical Pages and GRID-IT catalogue for full details.									
Minimum wall box depth	25mm	25mm	25mm	35mm	35mm	25mm	25mm	35mm	35mm	47mm
Wattage										
Current rating	10A (6AX)	20AX	20AX	13 amps	13 amps	2 amps	5 amps	13amp	13amp	20VA
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/240V AC
Max load	10amp (6amp inductive)	20amp inductive	20amp inductive	13amps	13amps	2amps	5amps	13amp	13amp	200/240v input; 115/230v output
Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50Hz
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles	Single	Single	Single	Double	Double	n/a	n/a	n/a	n/a	Single
Contact Gap Minimum	MICRO GAP	3mm	3mm	3mm	3mm	n/a	n/a	n/a	n/a	n/a
Terminal Capacity	3 x 1mm ²	5 x 1mm ²	5 x 1mm ²	4 x 2.5mm ²	4 x 2.5mm ²	5 x 1mm ²	5 x 1mm ²	5 x 2.5mm ²	5 x 2.5mm ²	5 x 1mm ²
	2 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	3 x 4mm ²	3 x 4mm ²	4 x 1.5mm ²	4 x 1.5mm ²	3 x 4mm ²	3 x 4mm ²	4 x 1.5mm ²
	1 x 2.5mm ²	2 x 2.5mm ²	2 x 2.5mm ²	2 x 6mm ² Multi-Strand	2 x 6mm ² Multi-Strand	2 x 2.5mm ²	2 x 2.5mm ²	2 x 6mm ² Multi-Strand	2 x 6mm ² Multi-Strand	3 x 2.5mm ²
		2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	1 x 10mm ²	1 x 10mm ²	1 x 4mm ²	1 x 4mm ²	1 x 10mm ²	1 x 10mm ²	2 x 4mm ² Multi-Strand
Earth Terminal Capacity		1 x 6mm ²	1 x 6mm ²							1 x 6mm ²
	5 x 1mm ²	6 x 1mm ²	6 x 1mm ²	4 x 2.5mm ²	4 x 2.5mm ²	5 x 1mm ²	5 x 1mm ²	5 x 2.5mm ²	5 x 2.5mm ²	9 x 1mm ²
	4 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	3 x 4mm ²	3 x 4mm ²	4 x 1.5mm ²	4 x 1.5mm ²	3 x 4mm ²	3 x 4mm ²	6 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	2 x 6mm ² Multi-Strand	2 x 6mm ² Multi-Strand	2 x 2.5mm ²	2 x 2.5mm ²	2 x 6mm ² Multi-Strand	2 x 6mm ² Multi-Strand	4 x 2.5mm ²
	1 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	1 x 10mm ²	1 x 10mm ²	1 x 4mm ²	1 x 4mm ²	1 x 10mm ²	1 x 10mm ²	2 x 4mm ² Multi-Strand
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²							1 x 6mm ²
Product Class 1	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS EN 60669-2-3	BS EN 60669-1	BS EN 60669-1	BS 1363	BS 1363	BS 546	BS 546	BS 1363	BS 1363	BS EN 61558 - BS 4573
Additional Notes :										

	SPN	FN	DPN	45DPN	45DPNSS1	TV	TVFM	TVI	TV+SAT	SAT	SATI
Insert type	Spur & Neon	Fuse with halo neon	Rocker & neon	Red rocker & neon	Red rocker, neon & socket	Aerial socket	Aerial socket	Aerial socket	Aerial socket	Aerial socket	Aerial socket
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	86mm	86mm	86mm	86mm		86mm	86mm	86mm	86mm	86mm	86mm
Size (single) width	86mm	86mm	86mm	86mm		86mm	86mm	86mm	86mm	86mm	86mm
Size (single) depth (inc gasket)	5mm	5mm	5mm	5mm		5mm	5mm	5mm	5mm	5mm	5mm
Size (double) height					86mm						
Size (double) width					145mm						
Size (double) depth (inc gasket)					5mm						
Box fixing hole centres	60.3mm	60.3mm	60.3mm	60.3mm	120.6mm	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland CFX plates. Refer to GRID-IT Technical Pages & catalogue for full details.										
Minimum wall box depth	35mm	35mm	25mm	35mm	35mm	25mm	25mm	25mm	35mm	35mm	35mm
Wattage											
Current rating	13amps	13amps	20amp	45amp	Switch 45amp; socket 13amp						
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC						
Max load	13amps	13amps	20amp	45amps	Switch 45amp; socket 13amp						
Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz						
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles	Double		Double	Double	Double						
Contact Gap Minimum	3mm	n/a	3mm	3mm	3mm						
Terminal Capacity	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 6mm ²	3 x 6mm ²						
	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 10mm ²	2 x 10mm ²						
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 16mm ²	1 x 16mm ²						
Earth Terminal Capacity	6 x 1mm ²	6 x 1mm ²	6 x 1mm ²	3 x 6mm ²	3 x 6mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	5 x 1.5mm ²	5 x 1.5mm ²	5 x 1.5mm ²	2 x 10mm ²	2 x 10mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	1 x 16mm ²	1 x 16mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand	2 x 4mm ² Multi-Strand			1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
1 x 6mm ²	1 x 6mm ²	1 x 6mm ²			1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	
Product Class 1	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed	Must be earthed if supply cable is metallic					
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS 1363	BS 5733	BS EN 60669-1	BS EN 60669-1	BS 4177						
Additional Notes :	<p>Note Mains operated and extra low voltage products must not be installed in the same face plate aperture. When installing within the same back box, phase barriers MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.</p>										


Technical Info - Hartland CFX
(read in conjunction with General Notes)

	DGTRID	DGENT+TVF+TCS	DGENT	DGTVF	DGTVM	DGSAT
Insert type	Digital Aerial socket	Digital Aerial socket	Digital Aerial socket	Digital Aerial socket	Digital Aerial socket	Digital Aerial socket
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	86mm		86mm	86mm	86mm	86mm
Size (single) width	86mm		86mm	86mm	86mm	86mm
Size (single) depth (inc gasket)	5mm		5mm	5mm	5mm	5mm
Size (double) height		86mm				
Size (double) width		145mm				
Size (double) depth (inc gasket)		5mm				
Box fixing hole centres	60.3mm	120.6mm	60.3mm	60.3mm	60.3mm	60.3mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland CFX plates. Refer to GRID-IT Technical Pages & catalogue for full details.					
Minimum wall box depth	35mm	35mm	35mm	35mm	35mm	35mm
Wattage						
Current rating						
Voltage						
Max load						
Hz						
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles						
Contact Gap Minimum						
Terminal Capacity						
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²
Product Class 1	Must be earthed if supply cable is metallic					
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard						
Additional Notes :	Note Mains operated and extra low voltage products must not be installed in the same face plate aperture. When installing within the same back box , phase barriers MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.					


Technical Info - Hartland CFX
(read in conjunction with General Notes)

	<i>TCM</i>	<i>TCS</i>	<i>RJ12</i>	<i>RJ12/2</i>	<i>RJ45</i>	<i>RJ45/2</i>
Insert type	LJ Telephone master socket	LJ Telephone slave socket	6 wire Telephone socket	6 wire double Telephone socket	8 wire data socket	8 wire double data socket
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	86mm	86mm	86mm	86mm	86mm	86mm
Size (single) width	86mm	86mm	86mm	86mm	86mm	86mm
Size (single) depth (inc gasket)	5mm	5mm	5mm	5mm	5mm	5mm
Size (double) height						
Size (double) width						
Size (double) depth (inc gasket)						
Box fixing hole centres	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm	60.3mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland CFX plates. Refer to GRID-IT Technical Pages and GRID-IT catalogue for full details.					
Minimum wall box depth	25mm	25mm	35mm	35mm	35mm	35mm
Wattage						
Current rating						
Voltage						
Max load						
Hz						
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles						
Contact Gap Minimum						
Terminal Capacity						
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²
Product Class 1	Must be earthed if supply cable is metallic					
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard						
Additional Notes :	Note Mains operated and extra low voltage products must not be installed in the same face plate aperture. When installing within the same back box , phase barriers MUST be used to separate the two voltages. See BS 7671 Wiring regulations for further details.					


Technical Info - Hartland CFX
(read in conjunction with General Notes)

	<i>P1x400</i>	<i>P2x400</i>	<i>P3x400</i>	<i>P4x400</i>	<i>P1x600</i>	<i>P1X1000</i>	<i>P1x200va</i>	<i>P1x300va</i>	
Insert type	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (resistive)*	Dimmer (inductive)*	Dimmer (inductive)*	
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal	
Size (single) height	86mm	86mm			86mm			86mm	
Size (single) width	86mm	86mm			86mm			86mm	
Size (single) depth (inc gasket)	5mm	5mm			5mm			5mm	
Size (double) height			86mm	86mm			86mm		
Size (double) width			145mm	145mm			145mm		
Size (double) depth (inc gasket)			5mm	5mm			5mm		
Box fixing hole centres	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	120.6mm	60.3mm	60.3mm	
Grid fixing hole centres	Grid fixing inserts are available on Hartland CFX plates. Refer to GRID-IT Technical Pages and GRID-IT catalogue for full details.								
Minimum wall box depth	35mm	35mm	35mm	35mm	35mm	35mm	35mm	35mm	
Wattage	400w	400w	400w	400w	600w	1kw	200va (low voltage)	300va (low voltage)	
Current rating	1.66 amps	1.66amps per gang	1.66amps per gang	1.25amps per gang	2.5 amps	4.16amps	0.8 amps	1.25 amps	
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	
Max load	400w resistive	400w resistive per gang	400w resistive per gang	300w resistive per gang	600w resistive	1kw resistive	200va (low voltage)	300va (low voltage)	
Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	
Poles	Single	Single	Single	Single	Single	Single	Single	Single	
Contact Gap Minimum	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Terminal Capacity	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	
	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	
Product Class 1	When dimmer modules are fitted to a metal face plate, the face plate must be earthed								
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m	
BS EN ISO Standard	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS 5518				
Additional Notes :	* Denotes LEADING EDGE TECHNOLOGY DIMMERS. Resistive dimmers are suitable for control of incandescent lamps. When dimming GU10 type mains halogen or linear halogen lamps the dimmers need to be derated by 25%. When used for dimming low voltage electronic halogen transformers, it must be noted that the dimmer controls the primary side of the transformer. It is important that you seek advice from the transformer manufacturer that their transformers are suitable to be dimmed by a leading edge type dimmer and that it is compatible with a Hamilton manufactured, resistive, leading edge dimmer. Inductive dimmers are suitable for dimming Laminated or Toroidal type low voltage halogen transformers only.								


Technical Info - Hartland CFX
(read in conjunction with General Notes)

	<i>P1xTE25</i>	<i>P2xTE25</i>	<i>P3xTE25</i>	<i>P4xTE25</i>
Insert type	Dimmer (resistive and inductive)	Dimmer (resistive and inductive)	Dimmer (resistive and inductive)	Dimmer (resistive and inductive)
Plate material (see general notes)	Metal	Metal	Metal	Metal
Size (single) height	86mm	86mm		
Size (single) width	86mm	86mm		
Size (single) depth (inc gasket)	5mm	5mm		
Size (double) height			86mm	86mm
Size (double) width			145mm	145mm
Size (double) depth (inc gasket)			5mm	5mm
Box fixing hole centres	60.3mm	60.3mm	120.6mm	120.6mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland CFX plates. Refer to GRID-IT Technical Pages and GRID-IT catalogue for full details.			
Minimum wall box depth	35mm	35mm	35mm	35mm
Wattage	250W Resistive Inductive 210VA	250W Resistive Inductive 210VA	250W Resistive Inductive 210VA	250W Resistive Inductive 210VA
Current rating	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC
Max load	250W Resistive Inductive 210VA	250W Resistive per gang 210VA Inductive per gang	250W Resistive per gang 210VA Inductive per gang	250W Resistive per gang 210VA Inductive per gang
Hz	50Hz	50Hz	50Hz	50Hz
IP rating	IP2XD	IP2XD	IP2XD	IP2XD
Poles	Single	Single	Single	Single
Contact Gap Minimum	n/a	n/a	n/a	n/a
Terminal Capacity	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²
	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²	1 x 4mm ² Multi-Strand 1 x 6mm ²
Product Class 1	When dimmer modules are fitted to a metal face plate, the face plate must be earthed			
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1
Additional Notes :	* Denotes 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.			

Technical Info - Hartland CFX
(read in conjunction with General Notes)

	1XTM25	2XTM25	3XTM25	4XTM25	1XTS	2XTS	3XTS	4XTS
Insert type	Dimmer (resistive and inductive)	Dimmer (resistive and inductive)	Dimmer (resistive and inductive)	Dimmer (resistive and inductive)	Touch Slave	Touch Slave	Touch Slave	Touch Slave
Plate material (see general notes)	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Size (single) height	86mm	86mm			86mm	86mm		
Size (single) width	86mm	86mm			86mm	86mm		
Size (single) depth (inc gasket)	5mm	5mm			5mm	5mm		
Size (double) height			86mm	86mm			86mm	86mm
Size (double) width			145mm	145mm			145mm	145mm
Size (double) depth (inc gasket)			5mm	5mm			5mm	5mm
Box fixing hole centres	60.3mm	60.3mm	120.6mm	120.6mm	60.3mm	60.3mm	120.6mm	120.6mm
Grid fixing hole centres	Grid fixing inserts are available on Hartland CFX plates. Refer to GRID-IT Technical Pages and GRID-IT catalogue for full details.							
Minimum wall box depth	35mm	35mm	35mm	35mm	35mm	35mm	35mm	35mm
Wattage	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive	250W Resistive 210VA Inductive	N/A	N/A	N/A	N/A
Current rating	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang	1.1 amps per gang	n/a	n/a	n/a	n/a
Voltage	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC	220/250V AC
Max load	250W Resistive 210VA Inductive	250W Resistive per gang 210VA Inductive per gang	250W Resistive per gang 210VA Inductive per gang	250W Resistive per gang 210VA Inductive per gang	N/A	N/A	N/A	N/A
Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
IP rating	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD	IP2XD
Poles	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Contact Gap Minimum	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Terminal Capacity	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²	2 x 1mm ²
	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²	2 x 1.5mm ²
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²
Product Class 1	When dimmer modules are fitted to a metal face plate, the face plate must be earthed				When slave modules are fitted to a metal face plate, the face plate must be earthed			
Ambient Operating Temperature	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C	-5° to +40°C
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m	2000m	2000m	2000m	2000m
BS EN ISO Standard	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1	BS EN 60669-2-1
Additional Notes :	* Denotes 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.							

Technical Info - Hartland CFX
(read in conjunction with General Notes)

	BPS	BPD	EURO2	EURO4
Insert type	Blanking Plate	Blanking Plate	Single plate with 2 x Eurodata cutout	Double plate with 4 x Eurodata cut out
Plate material (see general notes)	Metal	Metal	Metal	Metal
Size (single) height	86mm		86mm	
Size (single) width	86mm		86mm	
Size (single) depth (inc gasket)	5mm		5mm	
Size (double) height		86mm		86mm
Size (double) width		145mm		145mm
Size (double) depth (inc gasket)		5mm		5mm
Box fixing hole centres	60.3mm	120.6mm	60.3mm	120.6mm
Grid fixing hole centres				
Minimum wall box depth			35mm	35mm
Wattage				
Current rating				
Voltage				
Max load				
Hz				
IP rating				
Poles				
Contact Gap Minimum				
Terminal Capacity				
Earth Terminal Capacity	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²	5 x 1mm ²
	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²	4 x 1.5mm ²
	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²	3 x 2.5mm ²
	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand	1 x 4mm ² Multi-Strand
	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²	1 x 6mm ²
Product Class 1				
Ambient Operating Temperature				
Recommended Location	Indoor use only	Indoor use only	Indoor use only	Indoor use only
Max installation Altitude	2000m	2000m	2000m	2000m
BS EN ISO Standard				
Additional Notes :	See Data & media catalogue for a full range of inserts.			