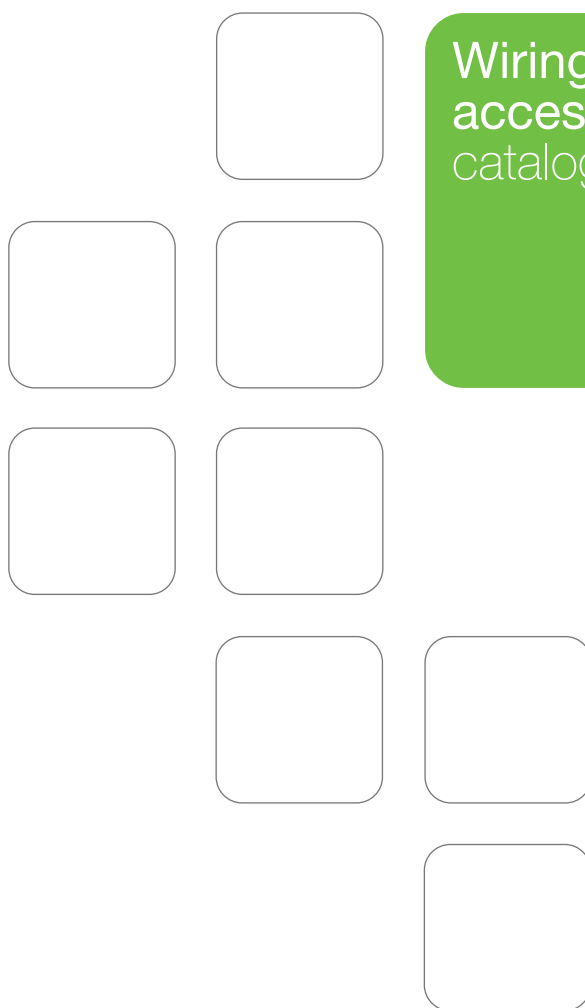


Wiring
accessories
catalogue





Take your time

In all probability, things are the same for you as they are for many of us in our industry. **The demands on our business are constantly growing**, the level of complexity rises by the day and more and more challenges seem to lie in wait for us with ever-increasing frequency. As a result, when it comes to creating **tailor-made solutions** for new construction and renovation **based on the specific needs of our customers**, time is often in short supply.

But in this day and age, that is where the real opportunities lie. By offering new concepts for building automation systems, energy efficiency and the use of renewable energies, we are able to make the **day-to-day tasks of our customers safer and more comfortable** while also ensuring our business continues to develop dynamically. Hager employs more than 800 developers, who are constantly working on these solutions all around the world. In other words: we take our time to make **truly ground-breaking innovations** and intelligent technologies which are **just as quick to install as they are easy to use**. And of course, we also continue to provide you with all of the reliable products and safe solutions we have been long known for here at Hager.

We have been doing this **for around 60 years**. And we are only as successful as we are at what we do because of the trust you continue to place in us. I would like to take this opportunity to **express our warmest thanks** to you for this continued trust in us – and to recommend that you take a good look at our new catalogue, which serves as a **practical tool for electrical engineering**.

Please do take the time to consult the catalogue every now and again. It provides a **handy overview** of all of the solutions we use not only to save you a lot of time and effort, but also to **constantly tap into new sales potential**. And just in case you have any questions: the details of the Hager Hong Kong office can be found on back. They will be happy to assist you at any time. **Hager is always on your side** – as it has been for six decades and will continue to be in the electrifying future that lies ahead of us.

We at Hager look forward to **shaping this time with you**.

Best wishes,

Daniel Hager
CEO of Hager Group



The specialist for electrical installations

Since 1955 Hager is the specialist for electrical installations in residential and commercial sectors, as a standard you can receive everything from one source: systems and solutions with high quality, reliability and ease of installation.

New ideas for the customers' benefit

Together with customers from industry and the electrical trade, Hager Group is working on future topics such as electro-mobility, Ambient Assisted Living, where building automation facilitates the everyday life of the elderly and individuals who require care, and on the networking

of energy-efficient housing, which will provide greater comfort while requiring less energy consumption. The link between many of these technologies will be the distribution board, the product with which the company achieved its growth.

A leading group

The Hager brand represents the core business of Hager Group.

The company was founded in 1955 by Hermann Hager and Dr. Oswald Hager together with their father Peter and today remains an independent business, owned and run by members of the Hager family, with its head office in Blieskastel, Germany. The organisation of the company as a European Company (Societas Europaea, SE) underlines both its cultural diversity and its European roots. Hager Group is, though, a worldwide business venture: 12,000 employees and generates a turnover of around 1.6 billion euros (2013).

Highly innovative achievements provide a market edge with more than 830 employees working in R&D. With more than 5% of turnover reinvested in R&D, Hager Group filed a total of 1560 patents to date.

Components and solutions are produced in 28 production sites around the globe and customers in more than 95 countries all over the world trust in them.

stylea

system 10088

Stainless steel

Metal clad

IP66 range & isolator

IP66 isolator

Others

switches | DP control switches | cooker control units | communication & data | socket outlet | fused connection units | moulded blank plates | decoration cover

08



switches | DP control switches | cooker control units | hotel ranges | shaver socket | communication & data | socket outlet | fused connection units | moulded blank plates | decoration cover | accommodation plates and modules

20



switches | communication & data | socket outlet | fused connection units

34



switches | DP control switches | accommodation plate | socket outlet | connection units | fused connection units | moulded blank plates

40



switches | socket outlet | fused connection units | IP66 isolator

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IP66 isolator

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floor socket socket | floor socket frame | RCD socket | modules | door chime | doorbell | lampholders | mounting boxes | WA covers

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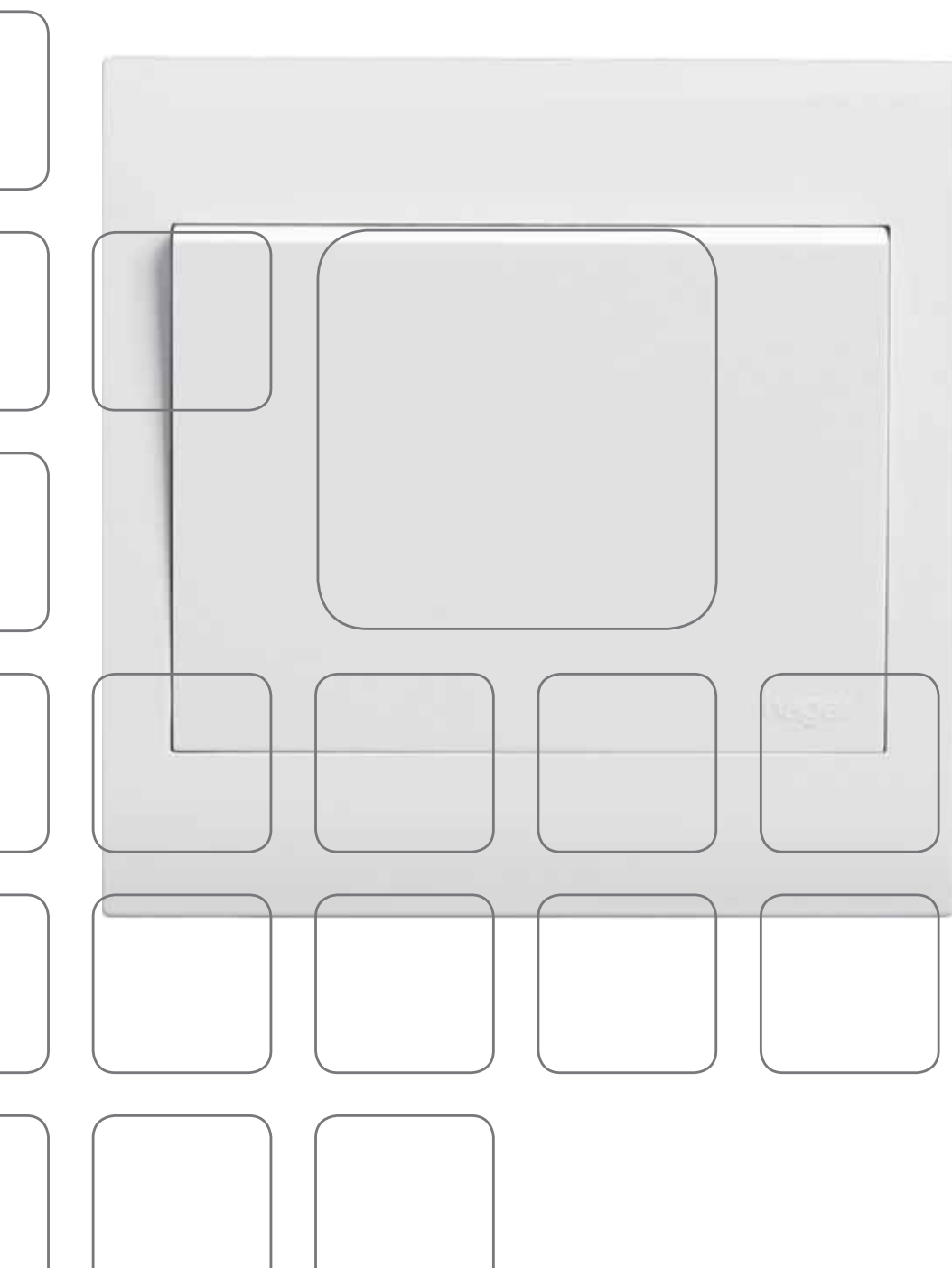
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stylea

beautiful

Its simple and neat design perfectly suits contemporary residential and commercial requirements. Its modern, simple, neat and straight styling lines blends with today's interiors and hints at its reliability.

Acting as the link to power and lighting, whether for home entertainment or everyday tasks, you must have confidence in the quality of wiring accessories.



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stylea wiring accessories

Touch of style

The large flat rocker switch, with its slim front plate and clean style, is designed for contemporary residential and commercial environments. The BS socket is available in switched and unswitched versions, in single and double pole, and with or without indicator. The data outlet range will allow an easy and quick connection to the networks, such as web, phone, TV...



The advantages for you:

- Terminals are easy to identify, access and tighten.
- Installation time is reduced.

Technical data:

- Product ranges have been independently tested and certified.
- Faceplates are made from high grade PC ensuring excellent scratch, impact and UV resistance
- All sockets are provided with safety shutters, giving protection against accidental contact with live parts and ensuring safety for your children.

Expert tips

1



Terminals

The terminals all face in the same direction for ease of installation and are clearly identified.

5



Safety shutter

Shutter design gives protection against access to live parts and protects the safety of your children.

2



Terminal screws

Terminal screws are supplied backed out to save installation time and are captive so they won't be lost.

6



Dust proof

Protection sticker on sockets which prevents dust pollution during the installation.

3



Lead in

Moulded lead-ins help to guide the driver blade to the screw head.

7



Switches

Single pole switches are simplified to 2 parts - rocker and plate which makes installation easier and quicker.

4



Capacity increase

Increased wiring capacity of the new 13A socket terminals permits the use of today's larger cables and reduces installation time.

8



High safety

All switches are equipped with a no welding design which ensures a compulsory break when contact welding occurs. 10AX switches do not require derating for fluorescent loads.

- Complies with BS EN 60669-1 IEC 60669-1 CB certificate
- 'AX' rated - No need to derate for fluorescent loads
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
3 x 1.5 mm²
2 X 2.5 mm²
- Two way switches can be wired either 1 way or 2 way
- Terminal markings denote:
L1 = one way
L2 = two way
C = common
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
	WXEL111	Single pole switches 10AX 1 gang 1 way, large dolly`	10	WXEL111
	WXEL112	1 gang 2 way, large dolly	10	WXEL112
	WXEL121	2 gang 1 way, large dolly	10	WXEL121
	WXEL122	2 gang 2 way, large dolly	10	WXEL122
	WXEL131	3 gang 1 way, large dolly	10	WXEL131
	WXEL132	3 gang 2 way, large dolly	10	WXEL132
	WXEL101	1 gang intermediate large dolly	10	WXEL101

stylea
Bell switches

- Complies with BS EN 60669-1 IEC 60669-1 CB certificate
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
3 x 1.5 mm²
2 X 2.5 mm²
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
	WXEL11B	Single pole bell switches 10A Marked "BELL" large dolly	10	WXEL11B
	WXEL11P	Marked "PRESS" large dolly	10	WXEL11P
	WXEL12P	2 gang marked "PRESS" large dolly	10	WXEL12P

stylea

Dimmer and fan controller switches



- Complies with BS EN 60669-2-1 IEC 60669-2-1




- Supplied with M3.5 x 25 mm long fixing screws

- Capacity of each terminal: 3 x 1.5 mm²

For dimmers

- Frequency 50/ 60Hz
- Rating 500W max
- For incandescent lamps only
- Max 150W for halogen lamps

- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
		Dimmer switches		
		500W 2 way switched single	5	WXED1R500
		500W 2 way switched twin	5	WXED2R500
		Fan controller		
		400W 2 way switched	5	WXEF1R400

stylea







Double pole control switches



- Complies with BS EN 60669-1 IEC 60669-1 CB certificate

- Supplied with M3.5 x 25 mm long fixing screws

- Capacity of each terminal:
L, N: 2 x 4 mm²
E: 2 x 4 mm²



- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
		Double pole control switches 20AX		
		1 gang, large dolly	10	WXEL2D1
		1 gang, large dolly with neon	10	WXEL2D1N
		2 gang, large dolly	10	WXEL2D2
		2 gang, large dolly with neon	10	WXEL2D2N
		1 gang 2 way, large dolly	10	WXEL2D12
		1 gang 2 way, large dolly with neon	10	WXEL2D12N

		Description	Pack qty.	Cat. Ref.	
		Double pole control switch 20AX with special marking 1 gang, large dolly with neon marked "WATER HEATER"	10	WXEL2D1NWH	
		1 gang, large dolly with neon marked "20AX"	10	WXEL2D1NAX	
Special marks	Abbreviation	Special marks	Abbreviation	Special marks	Abbreviation
"AIR CONDITIONER"	AC	"DRYER"	DR	"OVEN"	OV
"COOKER HOB"	CB	"DISH WASHER"	DW	"WATER HEATER"	WH
"COOKER HOOD"	CH	"FRIDGE"	FR	"WASHING MACHINE"	WM
"COMPUTER POWER"	CP	"20AX"	AX		
<small>(Surcharge applies)</small>					


stylea 32A and 45A double pole control switches

- Complies with BS EN 60669-1 IEC 60669-1, CB certificate
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
L, N: 1 X 16.0 mm²
E: 2 X 16.0 mm²
- Material: polycarbonate

		Description	Pack qty.	Cat. Ref.
		Double pole control switches 32A with neon	10	WXER32D1
		45A with neon	10	WXER45D1
		45A with neon (size 2)	5	WXER45D2













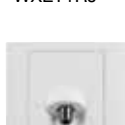




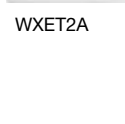



stylea Cooker control unit

- Complies with BS 4177
- Combined switch / sockets have double pole 45A main switch & 13A switched socket outlet
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
L, N: 1 x 16 mm²
E: 1 x 10 mm²
- Marking on cooker control units: ON, OFF and circuit identification cooker and socket
- Material: Polycarbonate



		Description	Pack qty.	Cat. Ref.
		Double pole cooker control unit 45A Cooker control unit (size 2)	5	WXER45CCU

• Supplied with M3.5 x 25 mm long fixing screws

• Material: Polycarbonate









		Description	Pack qty.	Cat. Ref.
		Communication and data Telephone outlet (BS style master)	10	WXET1M
WXET1M	WXET1S	Telephone outlet (BS style slave)	10	WXET1S
		FM co-axial outlet	10	WXETF75
WXETF75	WXETV75	TV co-axial outlet	10	WXETV75
		TV + FM splitter isolator SCV outlet (size 2)	10	WXETVFM2
WXETVFM2		TV + FM connector	10	WXETVFM
		TV + FM outlet with splitter	10	WXETVFMWS
WXETVFM	WXETVFMWS	RJ45 data outlet (1 mod) Cat 5e	10	WXET1RJ5
		RJ45 data outlet (2 mod) Cat 5e	10	WXET2RJ5
WXETVFM	WXETVFMWS	RJ45 data outlet (1 mod) Cat 6	10	WXET1RJ6
		RJ45 data outlet (2 mod) Cat 6	10	WXET2RJ6
WXET1RJ5 WXET1RJ6	WXET2RJ5 WXET2RJ6	RJ11 telephone + RJ45 data outlet Cat 5e	10	WXETD
		RJ11 telephone outlet (1 mod)	10	WXET1RJ
WXETD	WXET1RJ	RJ11 telephone outlet (2 mod)	10	WXET2RJ
		RG6 cable TV outlet	10	WXETV75F
WXET2RJ	WXETV75F	Branching terminal 5-pair tel. terminal	10	WXETBT5
		TV + RG6 connector without splitter	10	WXETV75R
WXETBT5	WXETV75R	2A telephone socket with shutter	10	WXET2A
		TV + FM outlet (master)	10	WXETV75R
WXET2A	WXETV75R	TV + FM outlet (slave)	10	WXETV75R
				
WXETV75R	WXETV75R			

- Complies with BS 546 SS 472
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
L, N: 3 X 2.5 mm²
E: 4 X 1.5 mm²
- Integral rocker design of switched sockets provides clear red 'on' indication
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
		Socket outlet 5A round pin unswitched	10	WXES105
		5A round pin switched	10	WXES105S
WXES105	WXES105S			

stylea
15A and 16A socket outlets




- Complies with BS 546 MS 1577 IEC 60884 (for 16A sockets)
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
L, N: 2 X 4.0 mm²
E: 3 X 2.5 mm²
- Integral rocker design of switched sockets provides clear red 'on' indication
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
		Socket outlets 15A round pin unswitched	10	WXES115
		15A round pin switched	10	WXES115S
WXES115	WXES115S			
		German style sockets 16A German style (without shutter)	10	WXES116
		16A German style (with shutter)	10	WXES116S
WXES116	WXES116S			
		Universal sockets 16A 3 pin switched universal	10	WXES116IS
		16A twin pin switched universal	10	WXES216IS
WXES116IS	WXES216IS			
		Euro American socket 16A twin 3 pin Euro American	10 10	WXEST16EA-LC WXEC1
WXEST16EA-LC + WXEC1				

stylea 10A socket outlet











- Complies with IEC 60884-2-3
- Supplied with M3.5 x 25 mm long fixing screws
- Integral rocker design of switched sockets provides clear red 'on' indication
- Material: Polycarbonate
- Capacity of each terminal:
L, N: 2 X 4.0 mm²
E: 3 X 2.5 mm²

		Description	Pack qty.	Cat. Ref.
		Socket outlets 10A 2 pin unswitched universal	10	WXES10U
WXES10U	WXES10US	10A 2 pin switched universal	10	WXES10US
		10A 2 pin unswitched twin universal	10	WXES10U2
WXES10U2				

stylea 13A socket outlets

- Complies with BS 1363-2 SS 145-2
- Supplied with M3.5 x 25 mm long fixing screws
- Integral rocker design of switched sockets provides clear red 'on' indication
- Material: Polycarbonate
- All terminal screws are facing upward for ease of installation
- Capacity of each terminal:
L, N: 2 x 4.0 mm²
E: 3 x 2.5 mm²
- Tough plastic back for durability





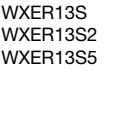
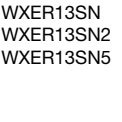
		Description	Pack qty.	Cat. Ref.
		Socket outlets 13A single unswitched	10	WXES113
WXES113	WXES213	13A twin unswitched (size 2)	10	WXES213
		13A single switched, single pole	10	WXES113S
WXES113S	WXES213S	13A twin switched (size 2), single pole	10	WXES213S
		13A single switched with neon, single pole	10	WXES113N
WXES113SDP	WXES213SDP	13A twin switched with neon (size 2), single pole	10	WXES213N
		13A single switched, double pole	10	WXES113SDP
WXES113N	WXES213N	13A twin switched (size 2), double pole	10	WXES213SDP



Dust preventive sticker


* Socket are supplied with free dust damage prevention sticker to give additional protection during installation.
* Sockets with red rocker are also available/ surcharge applies.

- Complies with BS 1363-4
- Cable clamp accommodates up to 2.5 mm² flexible cord
- Supplied with M3.5 x 25 mm long fixing screws
- All switched units are double pole
- Capacity of each terminal:
L, N: 3 X 4.0 mm²
E: 2 X 4.0 mm²
- All units fitted with a 13A fuse link to BS 1362, can be supplied with 2A, 5A fuse link.
- Material: polycarbonate
- Optional flex outlet - for choice of use

		Description	Pack qty.	Cat. Ref.
		Fused connection units		
		13A fused with flex outlet	10	WXER13
		13A fused with neon and flex outlet	10	WXER13N
		13A switched fused with flex outlet	10	WXER13S
		13A switched fused with neon and flex outlet	10	WXER13SN
		2A fused with flex outlet	10	WXER132
		2A fused with neon and flex outlet	10	WXER13N2
		2A switched fused with flex outlet	10	WXER13S2
		2A switched fused with neon and flex outlet	10	WXER13SN2
		5A fused with flex outlet	10	WXER135
		5A fused with neon and flex outlet	10	WXER13N5
		5A switched fused with flex outlet	10	WXER13S5
		5A switched fused with neon and flex outlet	10	WXER13SN5



stylea
Connection unit

- Complies with BS 5733
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
L, N: 2 x 6.0 mm²
E: 2 x 6.0 mm²
- Material: polycarbonate

		Description	Pack qty.	Cat. Ref.
		Connection unit		
		25A connection unit with flex outlet	10	WXER25

stylea
Moulded blank plates




- Complies with BS 5733
- Supplied with M3.5 x 25 mm long fixing screws
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
		Blank plates		
		Blank plate (size 1)	20	WXEV1
		Blank plate (size 2)	10	WXEV2

- Complies with BS EN 60669-1 IEC 60669-1

- Supplied with M3.5 x 25 mm long fixing screws

- Material: Polycarbonate

Description		Pack qty.	Cat. Ref.
	Hotel range Key tag switch with key card (time delay 60s)	5	WXEHKT
	"DND" & "Please clean up" switches with (RED) neon	10	WXEHDC
	"DND" & "Please clean up" indication box with door bell switch	10	WXEHBD

stylea
shaver socket

- Complies with BS EN 61558-2-5 IEC 61558-2-5 CB certificate

- Supplied with M3.5 x 25 mm long fixing screws


- Designed for use in bathrooms and washrooms and incorporates a double wound isolating transformer for an earth free supply.

Input 230V a.c. output dual voltage 230V a.c. and 115V a.c. outlets rating 20VA on either voltage




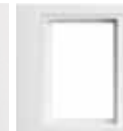
- Capacity of each terminal: 2 x 2.5 mm²
- Primary circuit is protected by a self-resetting thermal overload device. Insertion of shaver plug automatically switches on the transformer, removal automatically switches it off.

A positive interlock prevents 2 plugs being inserted simultaneously

- Material: Polycarbonate

Description		Pack qty.	Cat. Ref.
	Shaver socket 115V /230V [20VA] (size 2)	1	WXES200

stylea
Decoration cover

Description		Pack qty.	Cat. Ref.
	Decoration cover 1 gang clip on cover (size 1)	20	WXEC1
	2 gang clip on cove (size 2)	10	WXEC2
	Euro accommodation plates Accommodation plate (for 2 modules)	20	WXEVE2
	Accommodation plate (for 3 modules) Remarks: 1 module = 22.5mm X 45mm	10	WXEVE3

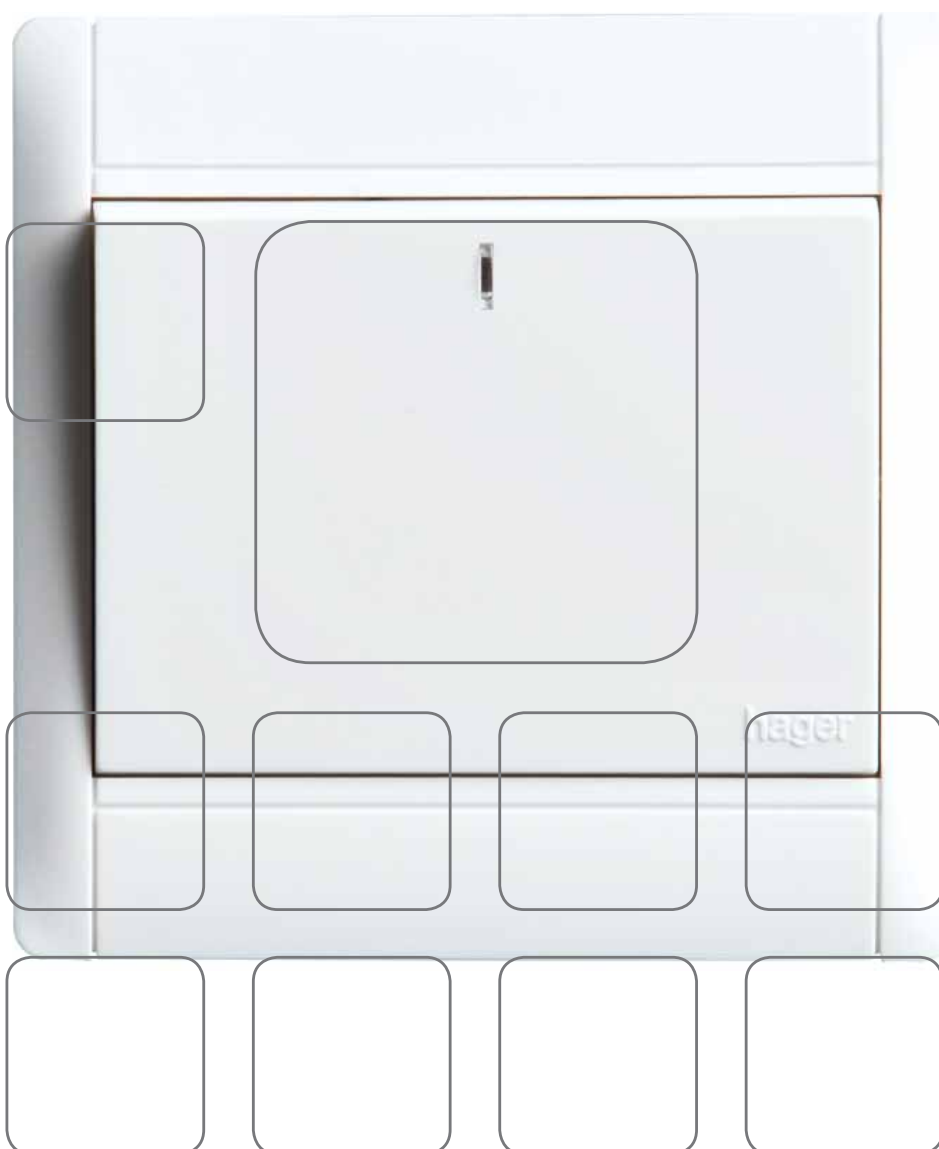
system 10088

Large convex rocker switch

The system 10088 with large convex rocker switch is designed for distinctive appearance in environments such as hotels, offices or homes.

The large convex rocker switch feature provides a subtle feel when switching. The product is available in a full range of colours and finishes, which ensures the compatibility of the switches with the interior design. The changeable clip on cover enables you to mix and match to create your own product character.

system 10088 has obtained the British Standard (BS) certificate from NEMKO UK, an international third party laboratory.



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system 10088

wiring accessories

Touch of style

Slim front plate with clean style, large flat rocker switch is designed for contemporary residential and commercial environments. The BS socket is available in switched and unswitched, single or double pole version. Available with or without indicator. The data outlet range will allow an easy and quick connection to the networks, such as web, phone, TV...



The advantages for you:

- Easy to install
- Popular color options
- Complete range
- Changable clip on cover

Technical data:

- IEC/ BS EN 60669-1
- BS 1363
- IEC 60884-1
- BS 4177
- BS 5733

Expert tips

1



Unique design

- Slim front plate
- Combination of gloss and matt finish

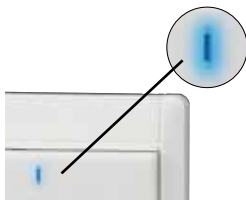
2



Cover with gold or silver strip

- More choice for your decoration

3



Blue LED

- Location or ON indicator

4



Removal slot

- No damage to the wall when removing covers

5



Glow in dark

- Glow in dark (4-5 hours)

6



Screws in one direction

- Easier for installation

7



Available in four colours








8





Safety shutter

- All sockets equipped with shutters preventing single object intrusion
- Safe for your children

- Complies with BS EN 60669-1 IEC 60669-1 CB certificate
- 'AX' rated - No need to derate for fluorescent loads
- Supplied with M3.5 x 25 mm long fixing screws
- Switches available with Blue LED for illuminated identification in a dark environment
- All switches with LED are pre-wired as location indicator
- All switches without LED have glow in the dark fluorescent indicators
- Capacity of each terminal: 3 x 1.5 mm² 2 X 2.5 mm²
- Two way switches can be wired either 1 way or 2 way
- Terminal markings denote: L1 = one way L2 = two way C = common
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
Single pole switches with fluorescent strips 10AX				
		1 gang 1 way, large dolly	10	WGL111
WGL111	WGL121	1 gang 2 way, large dolly	10	WGL112
WGL112	WGL122	2 gang 1 way, large dolly	10	WGL121
		2 gang 2 way, large dolly	10	WGL122
WGL131	WGL101	3 gang 1 way, large dolly	10	WGL131
WGL132		3 gang 2 way, large dolly	10	WGL132
		1 gang intermediate large dolly	10	WGL101
Single pole switches with LED 10AX				
		1 gang 1 way, large dolly	10	WGL111N
WGL111N	WGL121N	1 gang 2 way, large dolly	10	WGL112N
WGL112N	WGL122N	2 gang 1 way, large dolly	10	WGL121N
		2 gang 2 way, large dolly	10	WGL122N
WGL131N		3 gang 1 way, large dolly	10	WGL131N
WGL132N		3 gang 2 way, large dolly	10	WGL132N

- Complies with BS EN 60669-1 IEC 60669-1 CB certificate
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal: 3 x 1.5 mm² 2 X 2.5 mm²
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
Single pole bell switches with fluorescent strips 10A				
		Marked "BELL" large dolly	10	WGL11B
WGL11B	WGL11P	Marked "PRESS" large dolly	10	WGL11P

system 10088

Double pole control switches









- Complies with BS EN 60669-1 IEC 60669 CB certificate

- Supplied with M3.5 x 25 mm long fixing screws


- Capacity of each terminal:
L, N: 2 x 4.0 mm²
E: 2 x 4.0 mm²

- Material: Polycarbonate

Description		Pack qty.	Cat. Ref.
Double pole control switches 20AX			
 WGL2D1	1 gang, large dolly	10	WGL2D1
 WGL2D1N	1 gang, large dolly with neon	10	WGL2D1N
	2 gang, large dolly	10	WGL2D2
	2 gang, large dolly with neon	10	WGL2D2N
 WGL2D2	1 gang 2 way, large dolly	10	WGL2D12
 WGL2D2N	1 gang, 2 way, large dolly with neon	10	WGL2D12N
 WGL2D12			
 WGL2D12N			

system 10088

Special marked units


Description	Pack qty.	Cat. Ref.																														
 Double pole control switch 20AX with special marking 1 gang, large dolly with (RED) neon marked "WATER HEATER"	10	WGL2D1NWH																														
<table border="0"> <thead> <tr> <th>Special marks</th> <th>Abbreviation</th> <th>Special marks</th> <th>Abbreviation</th> <th>Special marks</th> <th>Abbreviation</th> </tr> </thead> <tbody> <tr> <td>"AIR CONDITIONER"</td> <td>AC</td> <td>"DRYER"</td> <td>DR</td> <td>"OVEN"</td> <td>OV</td> </tr> <tr> <td>"COOKER HOB"</td> <td>CB</td> <td>"DISH WASHER"</td> <td>DW</td> <td>"WATER HEATER"</td> <td>WH</td> </tr> <tr> <td>"COOKER HOOD"</td> <td>CH</td> <td>"FRIDGE"</td> <td>FR</td> <td>"WASHING MACHINE"</td> <td>WM</td> </tr> <tr> <td>"COMPUTER POWER"</td> <td>CP</td> <td>"20AX"</td> <td>AX</td> <td></td> <td></td> </tr> </tbody> </table>	Special marks	Abbreviation	Special marks	Abbreviation	Special marks	Abbreviation	"AIR CONDITIONER"	AC	"DRYER"	DR	"OVEN"	OV	"COOKER HOB"	CB	"DISH WASHER"	DW	"WATER HEATER"	WH	"COOKER HOOD"	CH	"FRIDGE"	FR	"WASHING MACHINE"	WM	"COMPUTER POWER"	CP	"20AX"	AX				
Special marks	Abbreviation	Special marks	Abbreviation	Special marks	Abbreviation																											
"AIR CONDITIONER"	AC	"DRYER"	DR	"OVEN"	OV																											
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"COMPUTER POWER"	CP	"20AX"	AX																													
(Surcharge applies)																																

system 10088

32A and 45A double pole control switches




- Complies with BS EN 60669-1 IEC 60669-1, CB certificate
- Supplied with M3.5 x 25 mm long fixing screws and screw caps
- Capacity of each terminal:
L, N: 1 X 16.0 mm²
E: 2 X 16.0 mm²
- Material: polycarbonate

		Description	Pack qty.	Cat. Ref.
 <p>WGR32D1 WGR45D1</p>	Double pole control switches			
		32A with neon	10	WGR32D1
		45A with neon	10	WGR45D1
		45A DP unit (size 2)	5	WGR45D2

system 10088

cooker control unit




- Complies with BS 4177
- Combined switch / sockets have double pole 45A main switch & 13A switched socket outlet
- Supplied with M3.5 x 25 mm long fixing screws and screw caps
- Capacity of each terminal:
L, N: 1 x 16 mm²
E: 1 x 10 mm²
- Marking on cooker control units: ON, OFF and circuit identification cooker and socket
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
 <p>WGR45CCU</p>	Double pole cooker control unit 45A			
		Cooker control unit (size 2)	5	WGR45CCU

- Complies with BS EN 60669-1 IEC 60669-1

- Supplied with M3.5 x 25 mm long fixing screws















- Material: Polycarbonate

Description		Pack qty.	Cat. Ref.
	Hotel range Key tag switch with key card (time delay 60s)	5	WGHKT
	"DND" & "Please clean up" switches with (RED) neon	10	WGHDC
	"DND" & "Please clean up" indication box with door bell switch	10	WGHBD

system 10088
Communication and data

- Supplied with M3.5 x 25 mm long fixing screws

- Material: Polycarbonate

Description		Pack qty.	Cat. Ref.
	Communication and data Telephone outlet (BS style master)	10	WGT1M
	Telephone outlet (BS style slave)	10	WGT1S
	TV co-axial outlet	10	WGTV75
	TV + FM splitter isolator SCV outlet (size 2)	10	WGTVM2
	RJ45 data outlet (1 mod) Cat 5e	10	WGT1RJ5
	RJ45 data outlet (2 mod) Cat 5e	10	WGT2RJ5
	RJ45 data outlet (1 mod) Cat 6	10	WGT1RJ6
	RJ45 data outlet (2 mod) Cat 6	10	WGT2RJ6
	RJ11 telephone + RJ45 data outlet Cat 5e	10	WGTD
	RJ11 telephone outlet (1 mod)	10	WGT1RJ
	RJ11 telephone outlet (2 mod)	10	WGT2RJ
	RG6 cable TV outlet	10	WGTV75F
	Branching terminal 5-pair tel. terminal	10	WGTBT5
	TV + RG6 connector without splitter	10	WGTV75R

- Complies with BS EN 61558-2-5 IEC 61558-2-5
- Supplied with M3.5 x 25 mm long fixing screws
- Designed for use in bathrooms and washrooms and incorporates a double wound isolating transformer for an earth free supply.
- Capacity of each terminal: 2 x 2.5 mm²
- Primary circuit is protected by a self-resetting thermal overload device. Insertion of shaver plug automatically switches on the transformer, removal automatically switches it off.
- A positive interlock prevents 2 plugs being inserted simultaneously
- Material: Polycarbonate



WGS200

Description	Pack qty.	Cat. Ref.
Shaver socket 115V /230V [20VA] (size 2)	1	WGS200

system 10088
5A socket outlets

- Complies with BS 546 SS 472
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
L, N: 3 X 2.5 mm²
E: 4 X 1.5 mm²
- Integral rocker design of switched sockets provide clear red 'on' indication
- Material: Polycarbonate



WGS105S

Description	Pack qty.	Cat. Ref.
Socket outlet 5A round pin switched	10	WGS105S

system 10088
10A socket outlets

- Complies with IEC 60884-2-3
- Supplied with M3.5 x 25 long fixing screws
- Capacity of each terminal:
L, N: 2 X 4.0 mm²
E: 3 X 2.5 mm²
- Integral rocker design of switched sockets provide clear red 'on' indication
- Material: Polycarbonate



WGS10U



WGS10US









WGS10U2

Description	Pack qty.	Cat. Ref.
Socket outlets 10A 2 pin unswitched universal socket	10	WGS10U
10A 2 pin switched universal socket	10	WGS10US
10A 2 pin unswitched twin universal socket	10	WGS10U2

system 10088

13A socket outlets

- Complies with BS 1363-2 SS 145-2
- All terminal screws upward facing for ease of installation
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
L, N: 2 x 4.0 mm²
E: 3 x 2.5 mm²
- Integral rocker design of switched sockets provide clear red 'on' indication
- Tough plastic back for durability
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
		Socket outlets 13A single unswitched	10	WGS113
		13A twin unswitched (size 2)	10	WGS213
		13A single switched, single pole	10	WGS113S
		13A twin switched (size 2), single pole	10	WGS213S
		13A single switched with neon, single pole	10	WGS113N
		13A twin switched with neon (size 2), single pole	10	WGS213N










Dust preventive sticker

- * Sockets are with FREE dust preventive sticker to give additional protection during installation
- * Sockets with red rocker are also available/ surcharge applies

system 10088

15A and 16A socket outlets

- Complies with BS 546 MS 1577 IEC 60884 (for 16A sockets)
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
L, N: 2 X 4.0 mm²
E: 3 X 2.5 mm²
- Integral rocker design of switched sockets provide clear red 'on' indication
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
		Socket outlets 15A round pin unswitched	10	WGS115
		15A round pin switched	10	WGS115S
		German style sockets 16A German style (without shutter)	10	WGS116
		16A German style (with shutter)	10	WGS116S
		Universal socket 16A 3 pins switched universal	10	WGS116IS
		16A twin 3 pin switched universal	10	WGS216IS
		Euro American socket 16A twin 3 pin Euro American	10 10	WGST16EA-LC WGC1




WGST16EA-LC + WGC1

system 10088

Fused connection units




- Complies with BS 1363-4
- Cable clamp accommodates up to 2.5 mm² flexible cord
- Supplied with M3.5 x 25 mm long fixing screws
- All switched units are double pole
- Capacity of each terminal:
L, N: 3 X 4.0 mm²
E: 2 X 4.0 mm²
- All units fitted with a 13A fuse link to BS 1362, can be supplied with 2A, 5A fuse link.
- Material: polycarbonate
- Optional flex outlet - for choice of use


















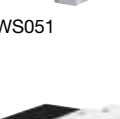






		Description	Pack qty.	Cat. Ref.
		Fused connection units		
		13A fused with flex outlet	10	WGR13
		13A switched fused with flex outlet	10	WGR13S
		13A switched fused with neon and flex outlet	10	WGR13SN
		2A fused with flex outlet	10	WGR132
		2A switched fused with flex outlet	10	WGR13S2
		2A switched fused with neon and flex outlet	10	WGR13SN2
		5A fused with flex outlet	10	WGR135
		5A switched fused with flex outlet	10	WGR13S5
		5A switched fused with neon and flex outlet	10	WGR13SN5

system 10088

Connection unit

- Complies with BS 5733
- Supplied with M3.5 x 25 mm long fixing screws
- **25A connection unit**
- Capacity of each terminal:
L, N: 2 x 6.0 mm²
E: 2 x 6.0 mm²
- Material: polycarbonate

		Description	Pack qty.	Cat. Ref.
		Connection unit		
		25A connection unit with flex outlet	10	WGR25

		Description	Pack qty.	Cat. Ref.
		Euro accommodation plates Accommodation plate (for 2 modules)	20	WGVE2
		Accommodation plate (for 3 modules) Remarks: 1 module = 22.5 mm X 45 mm	20	WGVE3
<hr/>				
		Modules 13A universal socket (45 mm x 45 mm)	10	WGSM13I
		16A 2 pin Euro American socket (22.5 mm x 45 mm)	10	WGSM216EA
		16A 3 pin Euro American socket (45 mm x 45 mm)	10	WGSM16EA
		16A 3 pin twin Euro American socket (45 mm x 67.5 mm)	5	WGSMT16EA
		13A BS socket (45 mm x 45 mm)	10	WGSM113
		Keystone 4 pin telephone (22.5 mm x 45 mm)	10	WGMRJ11
		Keystone 8 pin Cat 5E Data (22.5 mm x 45 mm)	10	WGMRJ45
		Keystone 8 pin Cat 6 Data (22.5 mm x 45 mm)	10	WGMRJ456
		75 Ohm "F" connection mechanism IGHZ (22.5 mm x 45 mm)	10	WGMTV75F
		"F" to pal type mechanism (22.5 mm x 45 mm)	10	WGMTV75PF
		Blank module (22.5 mm x 45 mm)	10	WGMV1
				
<hr/>				
		Motion detectors Systo 2M PIR without neutral (45mm x 45mm)	10	WS050
		Systo 2M PIR 3 wires (45mm x 45mm)	10	WS051
<hr/>				
		Dimmers Systo 2M Rotative dimmer ferro (45mm x 45mm)	10	WS063
		Systo 2M Rotative dimmer electro (45mm x 45mm)	10	WS064
		Systo 2M Rotative universal dimmer (45mm x 45mm)	10	WS065
		USB Power supply Systo USB power supply (45mm x 45mm)	10	WS110
<hr/>				
		Shutter control switches Systo 2M Double 2W SW for shutters (45mm x 45mm)	10	WS300
		Systo 2M Double PB for shutters (45mm x 45mm)	10	WS301

system 10088

Moulded blank plates



- Complies with BS 5733
- Supplied with M3.5 x 25 mm long fixing screws
- Material: Polycarbonate

		Description	Pack qty.	Cat. Ref.
		Blank plates Blank plate (size 1)	20	WGV1
		Blank plate (size 2)	10	WGV2

system 10088

Decoration cover

		Description	Pack qty.	Cat. Ref.
		Decoration cover Clip on cover Carbon (size 1)	40	WGC1CA
		Clip on cover Carbon (size 2)	20	WGC2CA
		Clip on cover Titanium Grey (size 1)	40	WGC1TG
		Clip on cover Titanium Grey (size 2)	20	WGC2TG
		Clip on cover Mother of Pearl (size 1)	40	WGC1MP
		Clip on cover Mother of Pearl (size 2)	20	WGC2MP
		Clip on cover with Gold strip (size 1)	40	WGC1-GD
		Clip on cover with Gold strip (size 2)	10	WGC2-GD
		Clip on cover with Silver strip (size 1)	40	WGC1-SV
		Clip on cover with Silver strip (size 2)	20	WGC2-SV
		Clip on cover White (size 1)	40	WGC1
		Clip on cover White (size 2)	20	WGC2



WGL111CA

CA: Carbon



WGL111TG

TG: Titanium Grey



WGL111MP

MP: Mother of Pearl

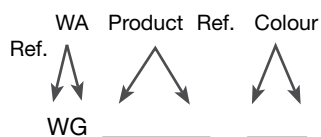
Colour specially for system 10088

system 10088

(A). Colour Code & Reference

*** All below colour for System 10088 only.

Item	Colour Reference	Colour Code
1	Carbon	CA
2	Titanium Grey	TG
3	Mother of Pearl	MP



(B). Ordering

1. If whole product is in WHITE colour:

Eg: Reference	Clip on cover	Product
WGL111	White	White



WGL111

2. If whole product is colour sprayed:

Eg: Reference	Clip on cover	Product
WGL111CA	Carbon	Carbon



WGL111CA

Stainless steel

Stainless steel series incorporates double pole switched sockets, fused connection units, communication, connection unit, blank plates.

Brushed Chrome finishing of this range provides stylish appearance to complement any setting, whether in the office, hotel or at home. The products are highly scratch resistant with an epoxy lacquer finish, the products will maintain their appearance for many years.






Stainless Steel series has obtained the British Standard (BS) certificate from intertek, an international third party laboratory.



Intertek

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Bell switches	P.36
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20, 32A and 45A double pole control switches	P.37
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Communication & data	P.37
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Fused connection units	P.39
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Connection unit	P.39
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Moulded lank plates	P.39

- Complies with BS EN 60669-1 IEC 60669-1 MS1577
- 'AX' rated - No need to derate for fluorescent loads
- Capacity of each terminal: 2 x 2.5 mm² conductors
- Terminal markings denote: L1 = one way L2 = two way
- Supplied with M3.5 x 25mm long fixing screws
- Two way switches can be wired either 1 way or 2 way

		Description	Pack qty.	Cat. Ref.
		Single pole switches 10AX 1 gang 2 way	10	XP120SS
		2 gang 2 way	10	XP220SS
		3 gang 2 way	10	XP320SS
		4 gang 2 way (size 2)	5	XP420SS
		1 gang intermediate	10	XP001SS
				

- Complies with BS EN 60669-1 IEC 60669-1
- Supplied with M3.5 x 25mm long fixing screws
- Bell push / press can be wired to make 250V a.c.


		Description	Pack qty.	Cat. Ref.
		Single pole bell switch 10A Marked "BELL"	10	XP910SS

Stainless steel 20A double pole control switch

- Complies with BS EN 60669-1 IEC 60669-1

- Supplied with M3.5 x 25 mm long fixing screws

- Capacity of each terminal: 3 x 2.5 mm² conductor

	Description	Pack qty.	Cat. Ref.
	Double pole control switch 20A 1 gang with neon	10	XR206SS

Stainless steel 32A and 45A double pole control switches

- Complies with BS EN 60669-1 IEC 60669-1




- Supplied with M3.5 x 25 mm long fixing screws

- Capacity of each terminal:
1 x 16 mm² conductor
1 x 10 mm² earth conductor

	Description	Pack qty.	Cat. Ref.
	Double pole control switches 32A with neon	10	XR327SS
	45A with neon	10	XR457SS

Stainless steel Communication and data

- Supplied with M3.5 x 25mm long fixing screws

	Description	Pack qty.	Cat. Ref.
	Communication and data RJ 45 data outlet (1 mod)	10	XT007SS
	RJ 45 data outlet (2 mod)	10	XT008SS
	RJ 11 data outlet (1 mod)	10	XT010SS







Stainless steel 13A socket outlets

- Complies with BS 1363-2 SS 145-2

- Supplied with M3.5 x 25 mm long fixing screws

- Capacity of each terminal:
4 x 2.5 mm² conductors switched;
4 x 2.5 mm² unswitched

- Tough plastic back for durability
- Double pole switching mechanism



		Description	Pack qty.	Cat. Ref.
Socket outlets				
		13A single unswitched	10	XS113SS
		13A twin unswitched (size 2)	5	XS213SS
		13A single switched, double pole	10	XS114SS
		13A twin switched (size 2), double pole	5	XS214SS
		13A single switched with neon, double pole	10	XS115SS
		13A twin switched with neon (size 2), double pole	5	XS215SS

Stainless steel 15A socket outlets

- Complies with BS 546 SS 472 MS1577






- Supplied with M3.5 x 25 mm long fixing screws

- Capacity of each terminal:
3 x 2.5 mm² conductors
3 x 2.5 mm² earth conductors

		Description	Pack qty.	Cat. Ref.
Socket outlets				
		15A round pin switched, double pole	10	XS916SS
		15A round pin switched with neon, double pole	10	XS917SS


Stainless steel Fused connection units

- Complies with BS 1363-4
- All switched units are double pole
- Supplied with M3.5 x 25 mm long fixing screws
- Cable clamp accommodates up to 2.5 mm² flexible cord
- Capacity of each terminal:
switched: 4 x 2.5 mm²
unswitched: 4 x 2.5 mm² conductors
- All units fitted with a 13 Amp fuse link to BS 1362, can be supplied with 2 Amp, 5 Amp fuse link
- Optional flex outlet
- for choice of use

Description		Pack qty.	Cat. Ref.
	Fused connection units 13A fused with flex outlet	10	XR130SS
	13A switched fused with flex outlet	10	XR131SS
	13A switched fused with neon	10	XR134SS
	13A switched fused with neon and flex outlet	10	XR137SS
	13A fused with neon and flex outlet	10	XR138SS
			



Stainless steel Connection unit

- Complies with BS 5733
- Supplied with M3.5 x 25 mm long fixing screws
- Capacity of each terminal:
L, N: 2 x 6.0 mm²
E: 2 x 6.0 mm²

Description	Pack qty.	Cat. Ref.	
	Connection unit 25A connection unit with flex outlet	10	XR250SS

Stainless steel Moulded blank plates

- Supplied with M3.5 x 25 mm long fixing screws

Description	Pack qty.	Cat. Ref.	
	Black plate Blank plate (size 1)	20	XV102SS
	Blank plate (size 2)	10	XV202SS

Metal clad

Metal clad series incorporates double pole switched sockets, fused connection units.

The hard-wearing range of Metal clad accessories is designed to withstand the toughest conditions and heaviest knocks, particularly in industrial installations. The front plate is coated with a two layer tough paint finish and will maintain its good looks through years of hard labour.

Metal clad series has obtained the British Standard (BS) certificate from intertek, an international third party laboratory.







Intertek

Wall switches	P.42
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20A & 45A double pole control switch	P.42
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Acommodation plate	P.42
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13A & 15A socket outlets	P.43
<hr/>	
Fuse connection units	P.43



Metal clad Wall switches

- Complies with BS EN 60669-1 IEC 60669-1
- 'AX' rated - No need to derated for fluorescent loads
- Supplied with M3.5 x 14 mm long fixing screws
- 1, 2, 3 and 4 gang units supplied with a two knockout matching surface box
- Capacity of each terminal:
2 x 2.5 mm² conductors
5 x 1.5 mm² earth terminal (box)
- Other switches are available without mounting boxes on request
- Knockouts accept 20 mm diameter conduit
- Earth terminal supplied with each box


		Description	Pack qty.	Cat. Ref.
 XP120MC  XP220MC  XP320MC  XP420MC	Single pole switches 10AX			
		1 gang 2 way	10	XP120MC
		2 gang 2 way	10	XP220MC
		3 gang 2 way	10	XP320MC
		4 gang 2 way (size 2)	5	XP420MC

Metal clad 20A and 45A double pole control switch

- Complies with BS EN 60669-1 IEC 60669-1
- Supplied with M3.5 x 14 mm long fixing screws
- 20A DP control switch**
• Capacity of each terminal:
3 x 2.5 mm² conductor
- 45A DP control switch**
• Capacity of each terminal:
1 x 16 mm² conductor
1 x 10 mm² earth conductor

		Description	Pack qty.	Cat. Ref.
 XR206MC  XR457MC	Double pole control switch 20A			
		1 gang with neon	10	XR206MC
	Double pole control switch 45A			
		1 gang with neon	10	XR457MC

Metal clad Accommodation Plate





		Description	Pack qty.	Cat. Ref.
	Accommodation plate			
		Metal clad accommodation plate (for 3 modules)	10	XV113MC

XV113MC

* remark: can fit for socket / switch module at page 51


Metal clad 13A socket outlets

- Complies with BS 1363-2 SS 145-2
- Supplied with M3.5 x 14 mm long fixing screws
- Capacity of each terminal: 4 x 2.5 mm²
- Double pole switching mechanism
- All terminal screws upward facing for ease of installation
- Tough plastic back for durability

		Description	Pack qty.	Cat. Ref.
		Socket outlets		
		13A single switched, double pole	10	XS114MC
		13A twin switched (size 2), double pole	5	XS214MC
		13A single switched with neon, double pole	10	XS115MC
		13A twin switched with neon (size 2), double pole	5	XS215MC



Metal clad 15A socket outlets

- Complies with BS 546 SS 472 MS1577
- Supplied with M3.5 x 14 mm long fixing screws
- Capacity of each terminal: 3 x 2.5 mm² conductors
3 x 2.5 mm² earth conductors

		Description	Pack qty.	Cat. Ref.
		Socket outlets		
		15A round pin switched	10	XS916MC

Metal clad Fused connection units

- Complies with BS 1363- 4
- Supplied with M3.5 x 14 mm long fixing screws
- Capacity of each terminal: 4 x 2.5 mm²
- Optional flex outlet - for choice of use
- All switched units are double pole
- Cable clamp accommodates up to 2.5 mm² flexible cord
- All units fitted with a 13 Amp fuse link to BS 1362, can be supplied with 2 Amp, 5 Amp fuse link

		Description	Pack qty.	Cat. Ref.
		Fused connection units		
		13A switch fused with neon	10	XR134MC
		13A switch fused with neon and flex outlet	10	XR137MC

IP66

For the toughest environment

Total protection from dust and water

Manufactured from a tough, durable thermoplastic, the IP66 range is ideal for indoor and outdoor applications where wiring accessories may be vulnerable to the potentially harmful effects of dust or water ingress. The IP66 rating assures total protection against airborne particles and high pressure water jets.



IP66 switches	P.48
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IP66 socket outlets	P.48
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IP66 Fused connection unit	P.48

Others

IP66 isolator	P.49
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Floor socket socket	P.50
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Floor mounting frame	P.50
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RCD sockets	P.51
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Modules	P.51
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Door chime	P.52
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Lampholders	P.52
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Mounting boxes	P.53
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WA covers	P.53

IP66

Beautifully safe

With its rugged good look and ease of operation you can be sure that IP66 will provide protection for your wiring accessories in even the toughest of environment.

A host of innovative design solutions provide both installer and end user with a range of products that is easy to work with and retain their good looks whatever the environment throws at them.



The advantages for you:

- IP66 complete protection from dust and high pressure water jets
- Easy to open catch and unique 180° opening lid
- Suitable for moulded on plugs
- Padlock can be fitted to prevent unauthorised use

Technical data:

- IP66 rating conforms to IEC/ BS EN 60529
- Functional products tested and certified to appropriate British/ IEC Standards. Product range has been independently tested and certified

Expert tips

1



Suitable for moulded-on plugs

Extended enclosure and extra wide gel seal means even moulded on plugs can be accommodated.

2



Padlockable

A padlock of up to 5mm diameter shank can be fitted to the enclosure to prevent unauthorised use.

3



Knockouts

20mm cable entry knockouts are secure and easily removed by pushing out from the inside of the back box.

4



180°

With its unique dual action hinge, the lid of the box can be opened a full 180 degrees for ease of plug insertion and switch operation.

5



Soft sealing

The factory fitted soft gel seal fits snugly around power cables to maintain the IP66 rating in use with the lid fully closed.

6



Drill Out

If 25mm conduit is needed, then a clearly marked drill out position allows safe and precise use of a 25mm hole saw.

7



Drain

The drain feature can be drilled out using a 5mm drill (opening the drain hole will reduce the IP rating of the product).

Complies with

- 13A socket outlets comply with BS 1363-2 & SS 145 part 2
- 15A socket outlets comply with BS 546 & SS 472
- Fused connection units comply with BS 1363-4
- IP66 rating conforms to IEC/ BS EN 60529





- Robust and rugged enclosures designed to withstand the elements.

Socket outlets

- Unique double hinge allows lid to fully open through 180°.
- Fixing point for padlock.

• Cable entries:

Cable entries qty & diameter (mm)		
Box size	Side	Back
90 x 90	4 x 20	1 x 20 & 1 x 25
103 x 116.5	4 x 20	1 x 20 & 1 x 25
164 x 116.5	6 x 20	1 x 20 & 1 x 25

	Description	Size	Pack qty.	Cat. Ref.
 WXPPS12  WXPPS22	Wall switches			
	10AX 1 gang 2 way switch	90 x 90	1	WXPPS12
	10AX 2 gang 2 way switch	90 x 90	1	WXPPS22
	20AX double pole 1 gang 1 way switch	90 x 90	1	WXDP84
	20AX double pole 1 gang 1 way switch with neon	90 x 90	1	WXDP84N
	20AX double pole 2 gang 1 way switch	90 x 90	1	WXDP842
	10A 1 gang bell push switch	90 x 90	1	WXPPS12B
 WXPSS81	Socket outlets			
	13A 1 gang unswitched socket	103 x 116.5	1	WXPS81
	13A 1 gang double pole switched socket	103 x 116.5	1	WXPSS81
	13A 1 gang double pole switched socket with neon	103 x 116.5	1	WXPSS81N
	13A 2 gang unswitched socket	164 x 116.5	1	WXPS82
	13A 2 gang double pole switched socket	164 x 116.5	1	WXPSS82
	13A 2 gang double pole switched socket with neon	164 x 116.5	1	WXPSS82N
15A 1 gang double pole switched socket	103 x 116.5	1	WXPSS115	
 WXPSS82	Fused connection unit			
	13A DP switched fused connection unit with flex outlet	103 x 116.5	1	WXPSSU83FO
	13A unswitched fused connection unit with flex outlet	103 x 116.5	1	WXPSU83FO

Description:

The range of IP66 isolators are designed to be used in outdoor applications with IP66 degree of protection. They are rated at AC22A and AC23A offer options of 2, 3 poles and 4 poles with switched neutral. They are compact and easy to install with 2 screw quick release top cover

• **Complies with**

- BS EN 60947-3
- IEC 60947-3
- AS 3947-3

Rated voltage: 250V ~ AC
440V ~ AC

Rating AC22A is for switching of mixed resistive and inductive loads, including moderate overloads.

Rating AC23A is for switching of motor loads or other highly inductive loads.

Mechanical specification:

Protection Category: IP66

Material: Polycarbonate – UV grade.

Devices & accessories:

DP 20-40A
TP & N 20-40A

TP & SW N 20-63A



JG220U

Description	Pack qty.	Cat. Ref.
Rating: AC22A		
2 pole		
20A 2 pole IP66	1	JG220U
32A 2 pole IP66	1	JG232U
40A 2 pole IP66	1	JG240U
63A 2 pole IP66	1	JG263U
3 pole		
20A 3 pole IP66	1	JG320U
32A 3 pole IP66	1	JG332U
40A 3 pole IP66	1	JG340U
3 pole + switched neutral		
20A 4 pole IP66	1	JG420U
32A 4 pole IP66	1	JG432U
40A 4 pole IP66	1	JG440U
63A 4 pole IP66	1	JG463U



JG320IN

Rating: AC23A		
2 pole		
20A 2 pole IP66	1	JG220IN
32A 2 pole IP66	1	JG232IN
40A 2 pole IP66	1	JG240IN
63A 2 pole IP66	1	JG263IN
3 pole		
20A 3 pole IP66	1	JG320IN
32A 3 pole IP66	1	JG332IN
40A 3 pole IP66	1	JG340IN
3 pole + switched neutral		
20A 4 pole IP66	1	JG420IN
32A 4 pole IP66	1	JG432IN
40A 4 pole IP66	1	JG440IN
63A 4 pole IP66	1	JG463IN



JG380S

Rating: AC22A		
3 pole		
80A 3P IP65 isolator	1	JG380S
125A 3P IP65 isolator	1	JG325S

- Complies with BS 1363-2



Technical data

- 250V 13A
- Single and Twin

- Terminals capable of taking:

- 3 x 2.5 mm²
- 2 x 4 mm²

- Material: Stainless steel

	Description	Pack qty.	Cat. Ref.
 <p>XS113FM</p>	<p>Floor mounting socket 13A single unswitched floor mounting socket</p>	10	XS113FM
 <p>XS213FM</p>	<p>13A twin unswitched floor mounting socket (size 2)</p>	5	XS213FM

Floor socket frame


- Supplied with M4 x 40 mm long fixing screws

- Supplied with quick connection terminals

- Capacity of each terminal:

- L, N: 2 X 2.5 mm²
- E: 2 X 2.5 mm²

- Material: Stainless steel

	Description	Pack qty.	Cat. Ref.
 <p>WGFFVE3BS</p>	<p>Floor socket frame Brushed steel frame</p>	1	WGFFVE3BS

- Complies with BS EN 7288:1990

- Voltage: 220/ 240 ac 50/60Hz

RCD section:



- Double pole

- Through fault withstand current: 1500A










- Rated trip current: 30mA

- Breaking capacity: 250A on earth fault

- Tripping: Less than 40mS at 150mA

	Description	Pack qty.	Cat. Ref.
	RCD sockets RCD 13A single switched, latching	1	WGS114RCD
	13A twin switched, latching (size 2)	1	WGS214RCD

Modules

	Description	Pack qty.	Cat. Ref.
	Modules 13A universal socket (45 mm x 45 mm)	10	WGSM13I
	16A 2 pin Euro American socket (22.5 mm x 45 mm)	10	WGSM216EA
	16A 3 pin Euro American socket (45 mm x 45 mm)	10	WGSM16EA
	16A 3 pin Twin Euro American socket (45 mm x 67.5 mm)	5	WGSMT16EA
	13A BS socket (45 mm x 45 mm)	10	WGSM113
	Keystone 4 pin telephone (22.5 mm x 45 mm)	10	WGMRJ11
	Keystone 8 pin Cat 5E Data (22.5 mm x 45 mm)	10	WGMRJ45
	Keystone 8 pin Cat 6 Data (22.5 mm x 45 mm)	10	WGMRJ456
	75 Ohm "F" connection mechanism IGHZ (22.5 mm x 45 mm)	10	WGMTV75F
	"F" to pal type mechanism (22.5 mm x 45 mm)	10	WGMTV75PF
	Blank module (22.5 mm x 45 mm)	10	WGMV1
	10AX switch module (22.5mm x 45mm)	10	WS012
	16A Schuko socket (45mm x 45mm) **	10	WS161
	** for export markets only		

- **Complies with**
BS EN 62080
IEC 62080
- 250V AC or 4.5V DC (AAA x 3)
- Frequency 50/ 60 Hz
- With adjustable melody / ding dong sound
- Supplied with M3.5 x 25mm long fixing screws
- fixing screws
- Material: Polycarbonate



		Description	Pack qty.	Cat. Ref.
 WXEDC01	 WGDC01	Door chime For stylea	10	WXEDC01
		For system 10088	10	WGDC01

Doorbell

- **Complies with**
BS EN 61558-1:1998
BS EN 61558-2-8:1999
IEC 60335-1
- XC001**
Dimension:
105mm (w) x 168mm (h) x 45mm (d)



Power source: 220-240V AC 50Hz
Transformer output: 6VDC
- XC002**
Dimension:
105mm (w) x 168mm (h) x 45mm (d)

Power source:
4 x 1.5V R14C batteries
- Only dingdong sound

		Description	Pack	Cat. Ref. qty.
 XC001	 XC002	Doorbells 220-240V AC 50Hz	1	XC001
		4 X 1.5V R14C batteries	1	XC002

Lampholders

- Straight BC batten**
• Complies with
BS EN 61184:1997
- Ceiling rose**
• Complies with
BS 67
- Pattress box**
• Complies with
BS 5732
- 2 earth terminals
- Feet on base to add mounting on uneven surfaces

		Description	Pack qty.	Cat. Ref.
 XB8001	 XB8002	Lampholders 3 terminal, home office shield BC batten (pin type)	10	XB8001
		3 terminal, home office shield BC batten (screw type)	10	XB8002
		Ceiling rose	10	XB8003
		Plastic pattress box for lampholder	10	XB8004
		Screw cover	1000	XSC8



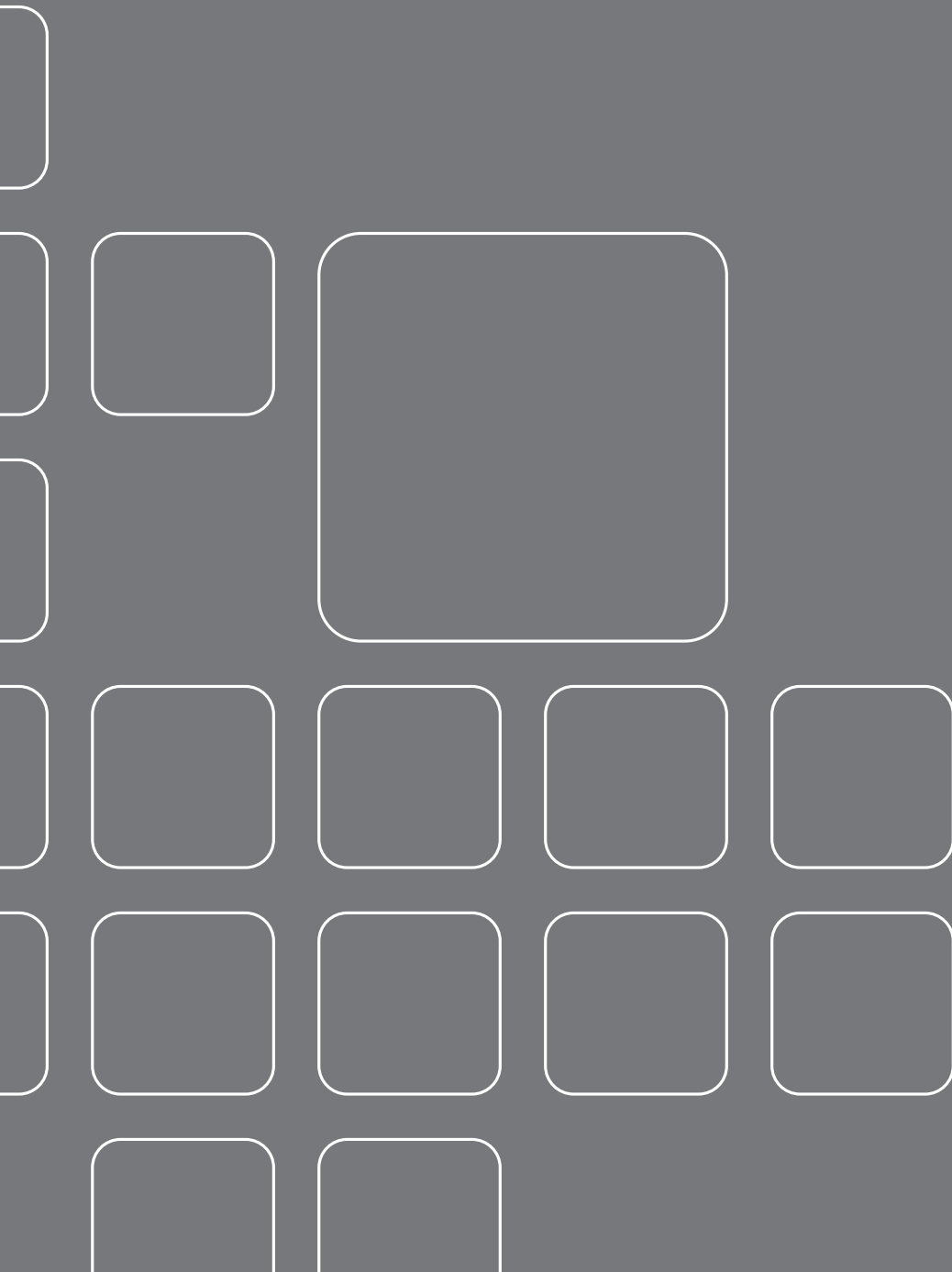
- Complies with BS 5733
- Colour and size match to hager 8000, 9000, 9088, 10088 series White WA
- Knockouts are provided on the base and sides for cable entry
- With earth terminal
- Material: PVC

	Description	Pack qty.	Cat. Ref.
XB8351	Mounting box 35mm depth (size 1)	10	XB8351
XB8471	Mounting box 47mm depth (size 2)	10	XB8471
XB8352	Mounting box 35mm depth (size 1)	10	XB8352
XB8472	Mounting box 47mm depth (size 2)	10	XB8472

WA covers

	Description	Pack qty.	Cat. Ref.
XC9001	WA cover for switch	10	XC9001
XC9002	WA cover for socket	10	XC9002
XC9003	IP55 WA cover	10	XC9003
XC9004	IP55 WA cover (size 2)	10	XC9004

Technical information



product standard	P.56 - 58
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CE marking	P.59
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ingress protection	P.60
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circuit diagram	P.61 - 65
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IP66 isolator	P.66

Compliance with standards

Regulation 511-01-01 of BS 7671 : Requirements for Electrical Installations, IEE Wiring Regulations Sixteenth Edition is of particular importance to specifiers and installers with respect to product standards.

Regulation 511-01-01 requires every item of equipment to comply with the relevant requirements of the applicable British Standard, or Harmonised Standard appropriate to the intended use of the equipment.

British Standards (BS)

The BSI (British Standards Institution) was the first national standards body in the world. There are now more than 100 similar organisations which belong to the International Organisation for Standardisation (ISO) and the International Electrotechnical Commission (IEC).

British Standards are drawn up by all those who have a particular interest in the subject i.e. manufacturers, users, research organisations, government departments and consumers. This work is co-ordinated by BSI staff, acting as secretaries to the committees where the work is done. All standards are made available for public comment before they are published.

Harmonised standards

A Harmonised standard is a European standard formally presented by CENELEC, to the European Commission and published in the commission's official journal. CENELEC is the Comité Européen de Normalisation Electrotechnique i.e. European Committee for Electrotechnical Standardisation.

BS 7671 part 2 defines a harmonised standard as a standard which has been drawn up by common agreement between national standards bodies notified to the European Commission by all member states and published under national procedures. The UK national standards body is the British Standards Institution. In the UK a harmonised standard will normally be published as a British Standard European Norm i.e. BS EN.

British Standard European Norm (BS EN)

CENELEC European standards are pre-fixed EN (European Norm). Adoption of the European Standard within the EC is mandatory and member countries of CENELEC are obliged to publish them unchanged. In the UK such standards are further endorsed with the additional prefix 'BS', for example BS EN 60669-1 : 1996 is the British Standard European Norm for Switches for household and similar fixed electrical installations.

Whilst a European Standard can be a direct replica of an IEC standard, discussions within CENELEC may result in the formulation of a standard which includes commonly agreed variations and Special National Conditions.

International Electrotechnical Commission (IEC)

Founded in 1906 the International Electrotechnical Commission (IEC) is the world organisation that prepares and publishes international standards for all electrical, electronic and related technologies. The membership consists of 60 participating countries, including all the world's major trading nations and a growing number of industrialising countries.

Foreign national standards based on IEC standards are permitted to be used by BS 7671. However the specifier must verify that any differences between the foreign standard and the corresponding British Standard or Harmonised Standard does not result in any lesser degree of safety than that afforded by compliance with the British Standard. This assessment would probably need to be made by specialists.

Conclusion

BS 7671 (IEE Wiring Regulations) recognises equipment which complies with a British Standard or Harmonised Standard appropriate to the intended use of the equipment without the need for further qualification.

Hager products have always been designed and manufactured to a high standard to ensure compliance with the current British or Harmonised Standard. See the table below for further information. Modiam in uteturo commolumsan vullamet nonulput luptat nim ipit nit nit irit, voloreet velit, quam do estrud modoles equatet veliscilit in ulputpat. Dui tatisse quisi.

Product description	BS / IEC number	Description
Switches	BS EN 60669-1 : 2000 IEC 60669-1 Ed.3.2b:2007 CB certificate	Switches for household and similar fixed electrical installations
Indicators	BS 5733 : 1995	General requirements for Electrical Accessories
Fused connection unit, cord outlets	BS 5733 : 1995	Switches for household and similar fixed electrical installations with particular requirements for timedelay switches (TDS)
Dimmers	BS EN 60669-2-3: 2006	Switches for household and similar fixed electrical installations with particular requirements for timedelay switches (TDS)
Frames and plates	BS 5733 : 1995	Switches for household and similar fixed electrical installations with particular requirements for timedelay switches (TDS)
Boxes	BS 4662 : 1980 or IEC 60670-1:2002	Specification for boxes for the enclosure of electrical accessories

Product description	BS number	Description
10 Amp Wall switch	BS EN 60669-1 IEC 60669-1 CB certificate	Switches for household and similar fixed electrical installations
Dimmer switches	BS EN 60669-2-1 IEC 60669-2-1	Electronic variable control switches (dimmer switches) for tungsten filament lighting
13 Amp Socket Outlets	BS 1363-2 SS145	13A plugs, socket-outlets, adaptors and connection units
15 Amp Switched Socket	BS 546 SS 472 MS 1577	Specification. Two-pole and earthing-pin plugs, socket-outlets and socket-outlet adaptors
20 Amp D.P. Switches	BS EN 60669-1 : 2000 IEC 60669-1 Ed.3.2b: 2007 CB certificate	Switches for household and similar fixed electrical installations
13 Amp Fused Connection Unit	BS 1363-4	Specification for 13A fused connection units switched and unswitched
45 Amp D.P. Switches	BS EN 60669-1 IEC 60669-1 CB certificate	Switches for household and similar fixed electrical installations
45 Amp Cooker Control Unit	BS 4177	Cooker control units
Shaver Socket Outlet	BS EN 61558-2-5 IEC 61558-2-5	General Requirements Isolating transformers and safety isolating transformers Electromagnetic compatibility, immunity requirements for household CB certificate appliances tools and similar apparatus.
25 Amp/ Amp Flex Outlet Plate	BS 5733	General Requirements for Electrical Accessories
BS Batten	BS EN 61184	Home office shield are T2 rated
Ceiling rose	BS 67	

Objective of CE marking.

CE marking is a “technical passport” which indicates that a product conforms to all relevant directives which require CE marking, thus enabling the product to travel within the E.U.

A directive is a piece of mandatory European Legislation implemented by regulations in all member countries. Its purpose is to allow free movement of goods that are safe and fit for use into and within the European Union.

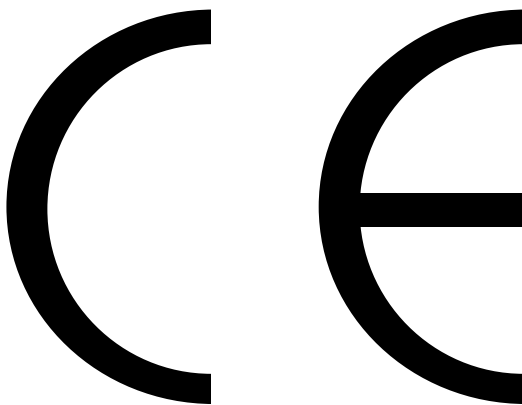
CE marking is not a quality mark and it does not indicate that any testing or certification has been carried out.

The marking.

CE marking is a statement by the manufacturer that the product complies with the essential requirements of all relevant Directives, notably in the area of technical safety and conformity assessment.

CE marking can appear on the product or packaging or documentation or combination thereof dependant upon which directive it has to comply with.

CE marking is a very specific graphical symbol and must be clearly separated from other marks.

**Directives.**

It is the responsibility of the manufacturer or his authorised representative who places the product onto the EC market to decide which Directive(s) apply and to ensure the CE marking is affixed by the dates stated in the relevant directive(s)

For the majority of Hager products only one directive is applicable this is referred to as the Low Voltage Directive. Where some products incorporate electronic devices the Low voltage Directive and the Electromagnetic Compatibility Directive are applicable.

The low voltage directive.

EC directives are requirements adopted by the European Council and published in the official journal of the European Communities and are addressed to the member states.

European Council Directive 73/23/EEC with an amendment 93/68/EEC is known as the Low Voltage Directive.

The low voltage directive has been implemented into UK law by the “Electrical Equipment (Safety) Regulations 1994” and apply to all electrical / electronic equipment operating at a voltage of 50-1000 V a.c. or 75-1500 V d.c.. They do not apply to plugs, socket outlets and adapters which are covered by the Plugs and Sockets (Safety) Regulations 1994.

Relationship between the Electrical Equipment (Safety) Regulations, Harmonised standards and the IEE Wiring Regulations Sixteenth Edition.


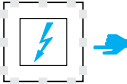
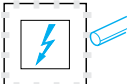
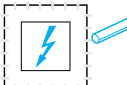


The Electrical Equipment (Safety) Regulations requires electrical equipment to be safe. Electrical equipment which satisfies the safety provisions of Harmonised standards shall be taken to comply with this requirement, unless there are reasonable grounds for suspecting that the equipment does not so comply.

Regulation 511-01-01 of BS 7671 Requirements for Electrical Installations, IEE Wiring Regulations Sixteenth Edition requires every item of equipment to comply with the relevant requirements of the applicable British Standard, or Harmonised Standard appropriate to the intended use of the equipment.

The Ingress Protection (IP) for all low voltage enclosures up to 1000 V a.c. and 1500 V d.c. is defined in identical fashion by the standards EN 605 29 - IEC 529 it comprises the letters IP followed by two character numerals:



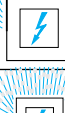


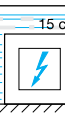

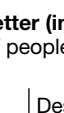
The first character numeral indicated the degree of protection provided by the enclosure with respect to persons, also to the equipment inside the enclosure.

The first character numeral:
protection against solid substances

IP	Description
0	Non-protected
1	 Protected against solid objects greater than 50mm
2	 Protected against solid objects greater than 12.5mm
3	 Protected against solid objects greater than 2.5mm
4	 Protected against solid objects greater than 1.0mm
5	 Dust-protected
6	 Dust-tight

The second character numeral indicated the degree of protection provided by the enclosure with respect to harmful ingress of water; a third character may be used to indicate mechanical strength. An X signifies that no test has been carried out.

The second character numeral:
protection against liquid substances

IP	Description
0	Non-protected
1	 Protected against dripping water
2	 Protected against dripping water when tilted up to 15°
3	 Protected against spraying water
4	 Protected against splashing water
5	 Protected against water jets
6	 Protected against heavy seas
7	 Protected against the effect of immersion
8	 Protected against submersion

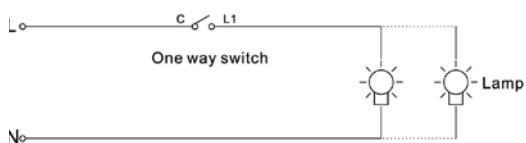
Additional letter (in option)
Protection of people against access to dangerous parts

	Description
A	Protected against access of the back of the hand
B	Protected against access of a finger
C	Protected against access of a tool - ϕ 2.5mm
D	Protected against access of a tool - ϕ 1mm

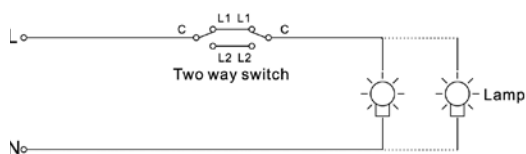
Additional letter (in option)
Specific information on the product

	Description
H	High voltage material
M	Movements during water test
S	Stationary during water test
W	Bad weather

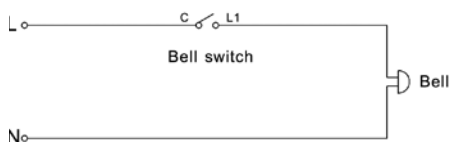
One way switch



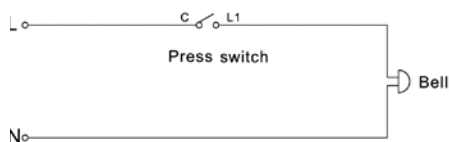
Two way switch



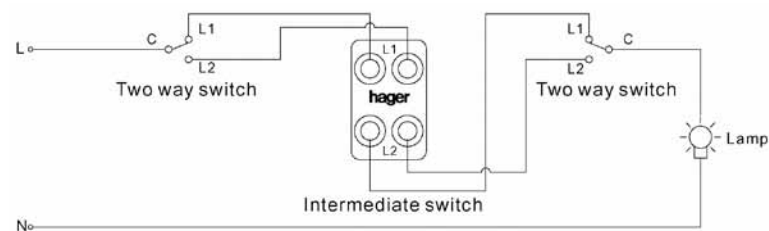
Marked BELL switch



Marked PRESS switch

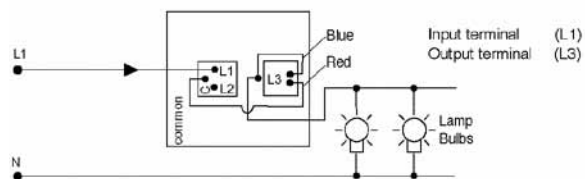


Intermediate switch

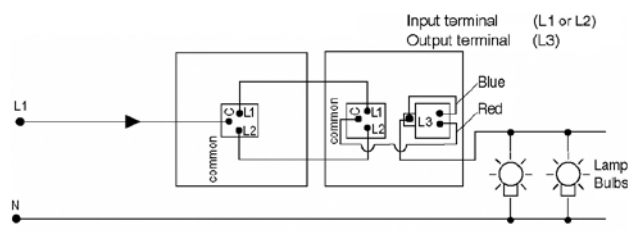


Dimmer switch

1. One way connection

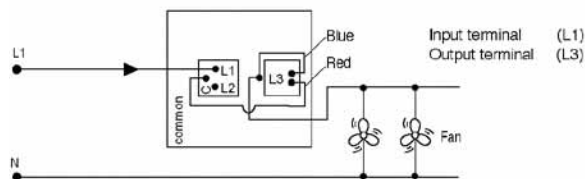


2. Two way connection

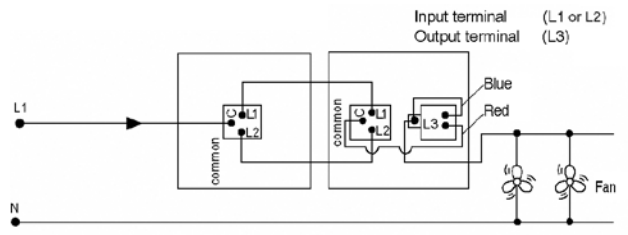


Fan control

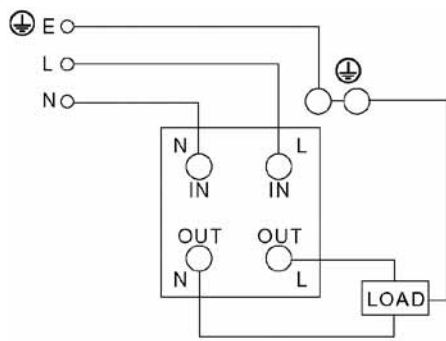
1. One way connection



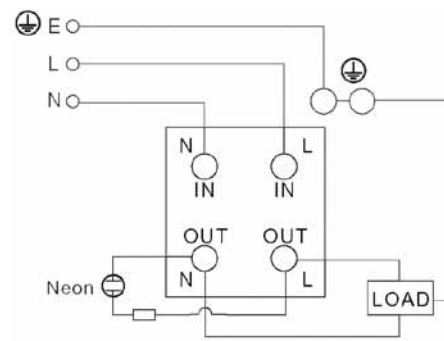
2. Two way connection



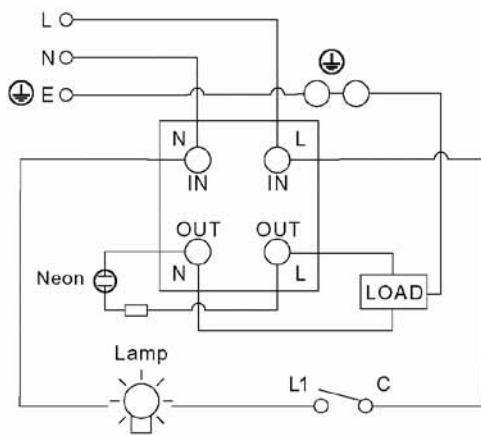
Double pole control switch



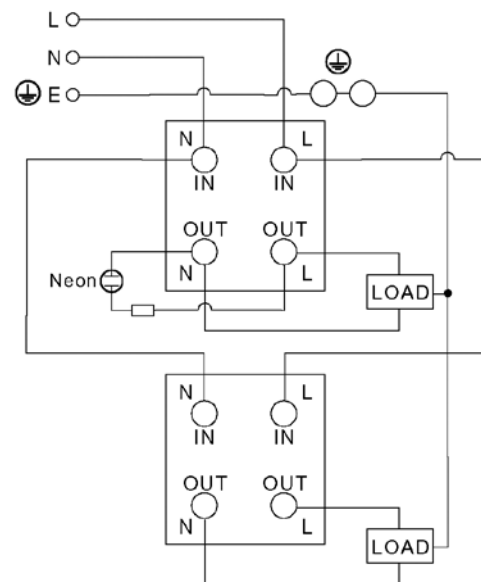
Double pole control switch with neon



Double pole control switch 20AX with neon + 10AX

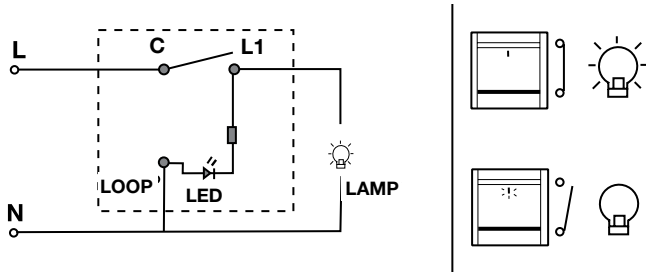


Double pole control switch 20AX without neon + 20AX with neon

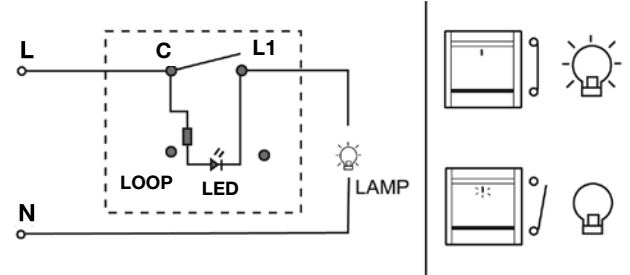


One way large dolly switch with LED

1. LED as location indicator

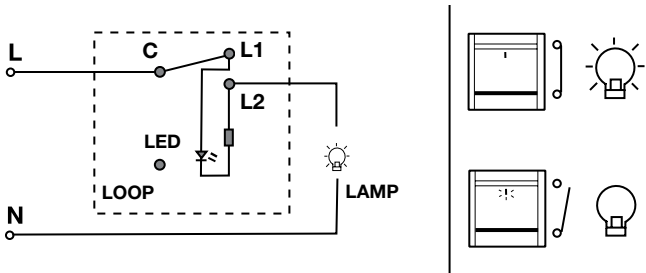


2. LED as ON indicator

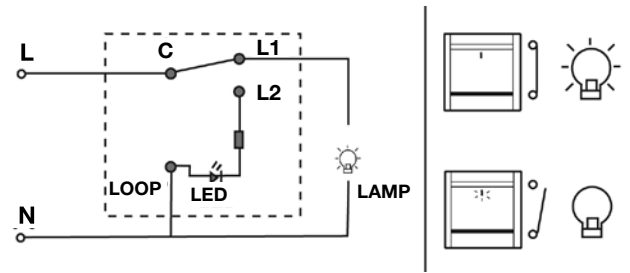


Two way large dolly switch with LED

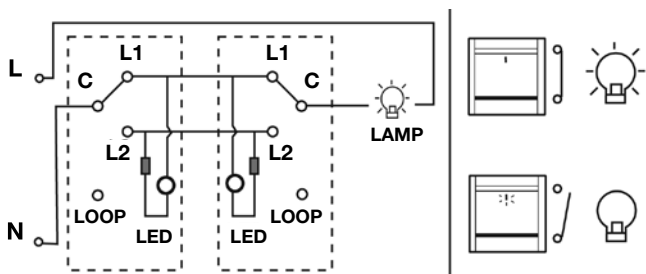
1. LED as location indicator



2. LED as ON indicator

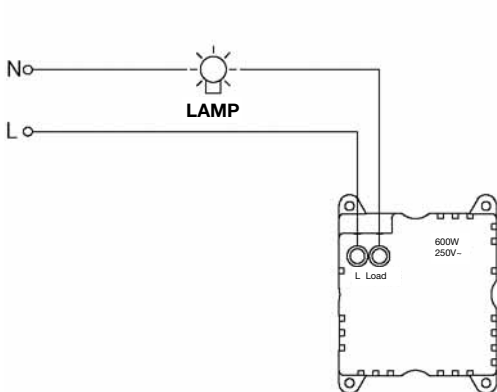


3. LED as location indicator



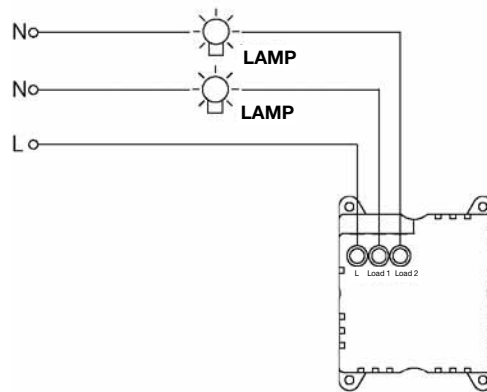
600W 1 gang large dolly dimming

Switch with neon (cycle action)

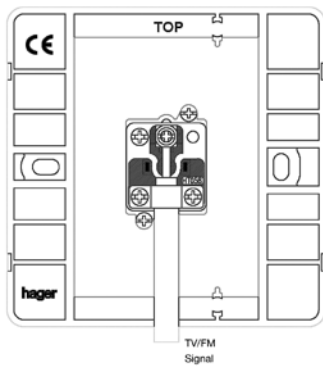


400W 2 gang large dolly dimming

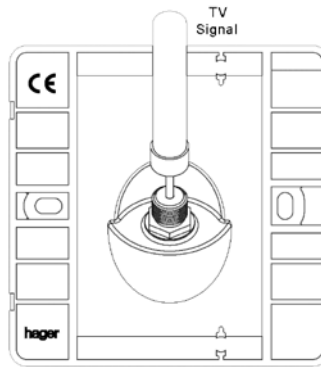
Switch with neon (cycle action)



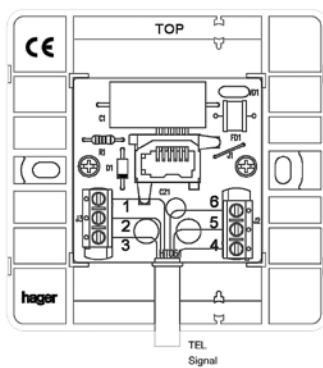
TV & FM connector



RG6 cable TV outlet

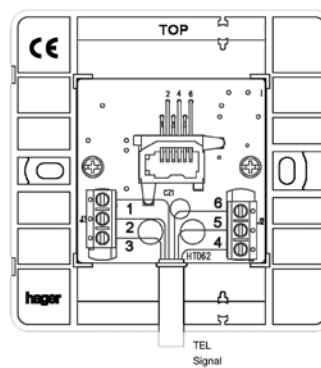


Telephone socket BS style master



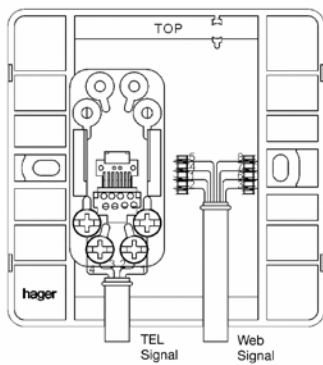
Pin no.	Pin code.
1	Green / White
2	Blue / White
3	Orange White
4	White / Orange
5	White / Blue
6	White / Green

Telephone socket BS style slave



Pin no.	Pin code.
1	Green / White
2	Blue / White
3	Orange White
4	White / Orange
5	White / Blue
6	White / Green

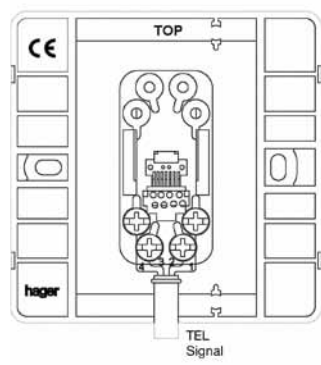
RJ45-RJ11 data outlet



Pin no.	Pin code.
1	Yellow
2	Green
3	Red
4	Brown

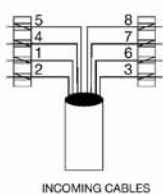
Jack Pin	A	B
1	White / Green	White / Orange
2	Green / White	Orange / White
3	White / Orange	White / Green
4	Blue / White	Blue / White
5	White / Blue	White / Blue
6	Orange / White	Green / White
7	White / Brown	White / Brown
8	Brown / White	Brown / White

RJ11 data outlet



Pin no.	Pin code.
1	Yellow
2	Green
3	Red
4	Brown

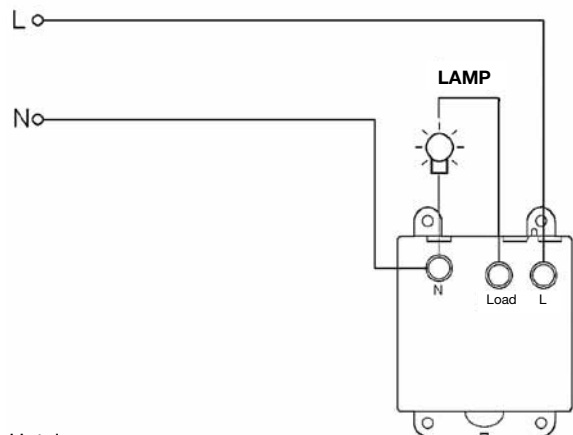
RJ45 data outlet



Jack Pin	A	B
1	White / Green	White / Orange
2	Green / White	Orange / White
3	White / Orange	White / Green
4	Blue / White	Blue / White
5	White / Blue	White / Blue
6	Orange / White	Green / White
7	White / Brown	White / Brown
8	Brown / White	Brown / White

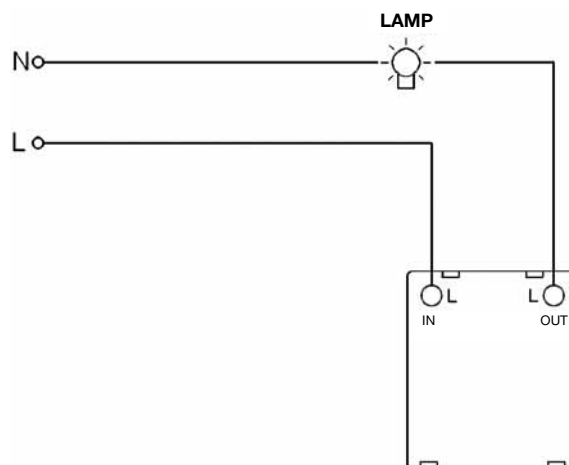
Hotel range

Key tag



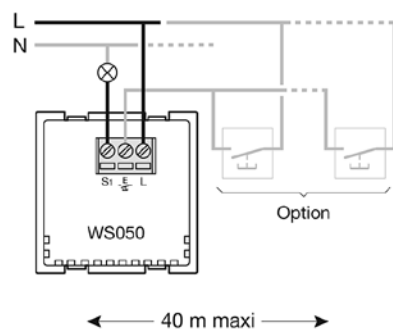
Hotel range
"DND" & PLS CLEAN UP" indication box with door bell

Infrared movement detector

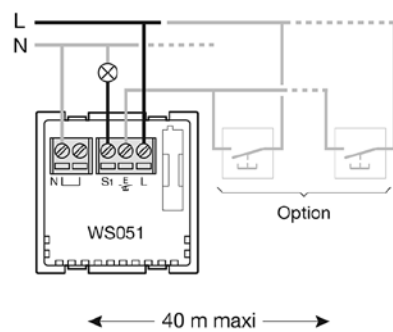


Motion detector

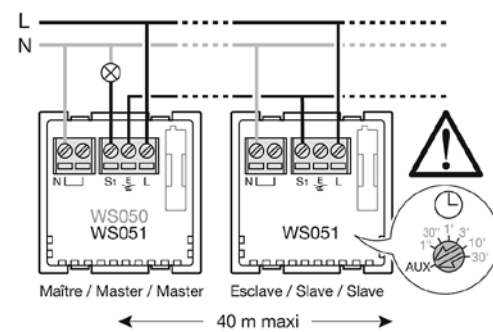
WS050



WS051



WS050 + WS051 / WS051 + WS051





2 pole

Reference	Current	H	W	D
JG220U	20 A	170	84	87
JG232U	32 A	170	84	87
JG240U	40 A	170	84	87
JG263U	63 A	170	84	87

• All dimensions are in mm

3 pole

Reference	Current	H	W	D
JG320U	20 A	170	84	87
JG332U	32 A	170	84	87
JG340U	40 A	170	84	87

• All dimensions are in mm

3 pole + switched neutral

Reference	Current	H	W	D
JG420U	20 A	170	84	87
JG432U	32 A	170	84	87
JG440U	40 A	170	84	87
JG463U	63 A	170	84	87

• All dimensions are in mm

2 pole

Reference	Current	H	W	D
JG220IN	20 A	170	84	87
JG232IN	32 A	170	84	87
JG240IN	40 A	170	84	87
JG263IN	63 A	170	84	87

• All dimensions are in mm

3 pole

Reference	Current	H	W	D
JG320IN	20 A	170	84	87
JG332IN	32 A	170	84	87
JG340IN	40 A	170	84	87

• All dimensions are in mm

3 pole + switched neutral

Reference	Current	H	W	D
JG420IN	20 A	170	84	87
JG432IN	32 A	170	84	87
JG440IN	40 A	170	84	87
JG463IN	63 A	170	84	87

• All dimensions are in mm

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