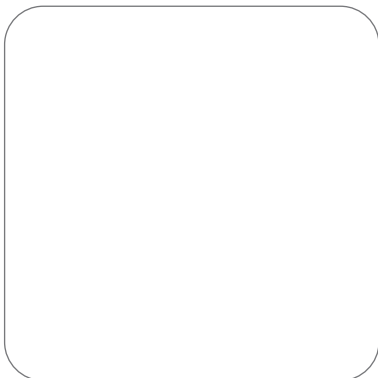**:hager**

Hager stylea
wiring accessories

Dear Friends and Partners,

We are pleased to present the Hager stylea catalogue 2014.

Hager stands for sustainability and our E3 Initiative is an excellent example of this. Fully aware of our responsibility to both society and the environment, we are proud to make a contribution to the better use of the limited available resources. It is a belief that plays a vital role in all our new developments. The three Es, by the way, stand for the categories of "ethics, environment and eco-efficiency". And behind each category there is an actual catalogue of measures to which Hager is expressly committed, measures including: the United Nation Global Compact initiative, which the Hager Group joined in 2007; and the environmental standard ISO 14000, to which most of our sites are already certified to. In this respect, eco-logical development and production technologies are given as much careful consideration as to the products themselves that make a contribution to make better use of the resource electricity.

Innovation, customer proximity, simplicity and reliability are the very basis of the Hager brand. We keep in close contact with our customers, regularly surveying their wishes and needs before incorporating that feedback into the development of our new systems. The same applies to this brochure which we have designed for you as a practical tool. Why not have a browse and find out for yourself?

Best regards

Daniel Hager

The partner for smart solutions you can trust

Hager is a full-range supplier of electrical installation systems for building, residential and commercial properties. For decades, Hager has been synonymous with an extensive and complete offering. Highest quality, cutting-edge products, modularity, ease of installation, ease of use, excellent service and sophisticated design are the features that distinguish Hager.

Hager: a brand meeting your expectations

As a specialist in
- energy distribution,
- cable management and room connection systems,
- wiring accessories and smart building automation
- safety technology such as alarm systems, smoke detectors and motion detectors.

Hager the supplier for professionals – is a synonym for top quality and innovative technology, as well as good customer relations and reliability. All of which make Hager the partner for smart solutions, you can trust.

New ideas for customers' benefit

Innovations and the systematic enhancement of the products and systems are key features of the Hager brand. It has always been our goal to use new designs and improvements to stay ahead of developments.

The use of innovations and new technologies at Hager is always customer-driven. Every year, Hager evaluates thousands of customer contacts, resulting in detailed knowledge of its customers' needs in order to work efficiently and successfully. Based on this knowledge, Hager develops the innovative solutions that are so characteristic for the Hager brand. Ease of installation, ease of use, intuitive user interfaces, modularity and durability are brand values that guarantee highest quality throughout in Hager systems.

65 percent of Hager products are less than 3 years old. This high degree of innovation enables the users to meet various new challenges effectively. The strong demand for innovations and enhancements is a good indicator for the customer-oriented policy of the Hager brand also resulting in a high turnover at wholesalers.
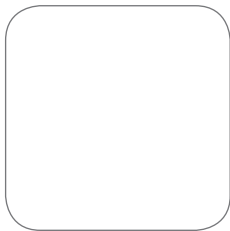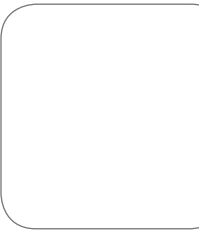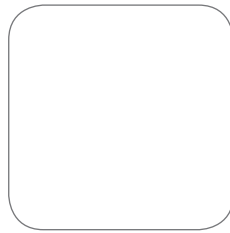
A flourishing group

Hager belongs to the Hager Group, which is a family owned business with a more than fifty-year tradition. As a global player, the company has about 11,400 employees and a turnover of more than 1.6 billion Euro in 2012.

Hager regional support Middle East operations

With an objective of offering technical and commercial support to our customers in the Middle East and Near East regions, Hager Group set up its 100% owned subsidary, Hager Middle East FZE, at Jebel Ali Free Zone in 1997.
Today, Hager Middle East has a strong commercial team with expertise in sales & marketing, product management, logistics, customer service and finance. In 2012, to expand the operations in the Middle East, Hager has opened an office "Hager Electro B.V" in Kingdom of Saudi Arabia. Hager Middle East has regional representation in Kuwait and Qatar.
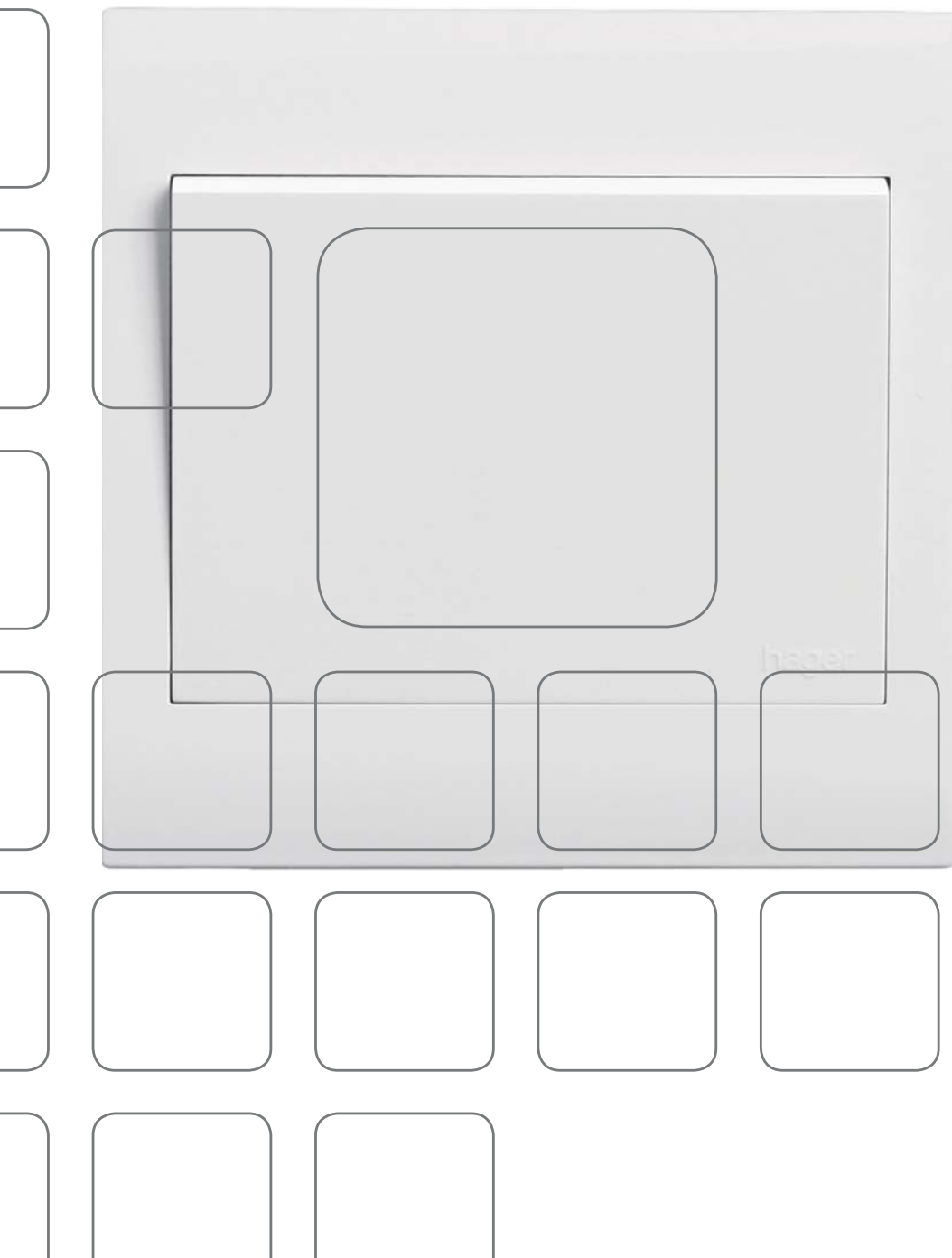
www.hager.ae

Hager stylea

beautiful

It's 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.

Hager 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 internet, 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.

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

3   **Lead in**
Moulded lead-ins help to guide the driver blade to the screw head.

4   **Capacity increase**
Increased wiring capacity of the new 13A socket terminals permits the use of todays larger cables and reduces installation time.

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

6   **Dust proof**
Protection sticker on sockets which prevents dust pollution during the installation.

7   **Switches**
Single pole switches are simplified to 2 parts - rocker and plate which makes installation easier and quicker.
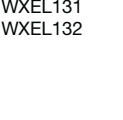
8   **High safety**
All switches are equipped with a 'no-welding' design which ensures a compulsory break when contact welding occurs. 10AX switches do not require derating for fluorescent loads.

Hager stylea
wall switches

:hager

- 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 mm^2
  2 X 2.5 mm^2

- 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 10AX		
1 gang 1 way, large dolly	10	**WXEL111**
1 gang 2 way, large dolly	10	**WXEL112**
2 gang 1 way, large dolly	10	**WXEL121**
2 gang 2 way, large dolly	10	**WXEL122**
3 gang 1 way, large dolly	10	**WXEL131**
3 gang 2 way, large dolly	10	**WXEL132**
1 gang intermediate large dolly	10	**WXEL101**

WXEL111
WXEL112

WXEL121
WXEL122

WXEL131
WXEL132

WXEL101

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 mm^2
  2 X 2.5 mm^2

- Material: Polycarbonate

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

WXEL11B

WXEL11P

WXEL12P

Hager 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 mm^2

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**

WXED1R500   WXED2R500

WXEF1R400

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 mm^2
  E: 2 x 4 mm^2

- 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**

WXEL2D1   WXEL2D1N

WXEL2D2   WXEL2D2N

WXEL2D12   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**

WXEL2D1NWH   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		
(Surcharge and long lead time applies)					

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 mm^2 E: 2 X 16.0 mm^2
- 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**

WXER32D1
WXER45D1

WXER45D2

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 mm^2 E: 1 x 10 mm^2
- 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**

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**
Telephone outlet (BS style slave)	10	**WXET1S**
FM co-axial outlet	10	**WXETFM75**
TV co-axial outlet	10	**WXETV75**
TV + FM splitter isolator SCV outlet (size 2)	10	**WXETVFM2**
TV + FM connector	10	**WXETVFM**
TV + FM outlet with splitter	10	**WXETVFMWS**
RJ45 data outlet (1 mod) Cat 5e	10	**WXET1RJ5**
RJ45 data outlet (2 mod) Cat 5e	10	**WXET2RJ5**
RJ45 data outlet (1 mod) Cat 6	10	**WXET1RJ6**
RJ45 data outlet (2 mod) Cat 6	10	**WXET2RJ6**
RJ11 telephone + RJ45 data outlet Cat 5e	10	**WXETD**
RJ11 telephone outlet (1 mod)	10	**WXET1RJ**
RJ11 telephone outlet (2 mod)	10	**WXET2RJ**
RG6 cable TV outlet	10	**WXETV75F**
Branching terminal 5-pair tel. terminal	10	**WXETBT5**
TV + RG6 connector without spliter	10	**WXETV75R**
TV + FM outlet (master)	10	**WXETVFMM**
TV + FM outlet (slave)	10	**WXETVFMS**

WXET1M WXET1S

WXETFM75 WXETV75

WXETVFM2

WXETVFM WXETVFMWS

WXET1RJ5 WXET2RJ5
WXET1RJ6 WXET2RJ6

WXETD WXET1RJ

WXET2RJ WXETV75F

WXETBT5 WXETV75R

WXETVFMM
WXETVFMS

- 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**

WXEHKT WXEHDC

WXEHBD

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 mm^2
  E: 4 X 1.5 mm^2

- 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

10A socket outlet

- 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 mm^2
  E: 3 X 2.5 mm^2

- Integral rocker design of
  switched sockets provides
  clear red 'on' indication

- Material: Polycarbonate

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

WXES10U WXES10US

WXES10U2

Hager stylea
13A socket outlets

:hager

- Complies with
  BS 1363-2
  SS 145-2
  SASO 2203 (DP switched
  sockets)

- All terminal screws are facing
  upward for ease of installation

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

- Capacity of each terminal:
  L, N: 2 x 4.0 mm^2
  E: 3 x 2.5 mm^2

- Integral rocker design of
  switched sockets provides
  clear red 'on' indication

- Tough plastic back for durability

- Material: Polycarbonate

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

WXES113   WXES213

WXES113S   WXES213S
WXES113SDP   WXES213SDP

WXES113N   WXES213N

Dust preventive sticker

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

15A and16A socket outlets

- Complies with
  BS 546
  SS 472
  IEC 60884 (for WXES116/ 116S)
  IEC 60884-1 (for WXES116IS)

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

- Capacity of each terminal:
  L, N: 2 X 4.0 mm^2
  E: 3 X 2.5 mm^2

- 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**
German style sockets		
16A German style (without shutter)	10	**WXES116**
16A German style (with shutter)	10	**WXES116S**
Universal sockets		
16A 3 pin switched universal	10	**WXES116IS**

WXES115   WXES115S

WXES116
WXES116S   WXES116IS

Hager stylea
shaver socket

:hager

- 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 mm^2

- 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**

WXES200

fused connection units

- Complies with
  BS 1363-4

- Cable clamp accommodates
  up to 2.5 mm^2 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 mm^2
  E: 2 X 4.0 mm^2

- 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**

WXER13   WXER13N

WXER13S   WXER13SN

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 mm^2
  E: 2 x 6.0 mm^2

- Material: polycarbonate

Description	Pack qty.	Cat. Ref.
Connection unit 25A connection unit with flex outlet (For 45A connection unit with flex outlet order XR9450 from system 9088 range)	10	**WXER25**

WXER25

Hager 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**

WXEV1

WXEV2

decoration covers

Description	Pack qty.	Cat. Ref.
Decoration covers		
1 gang clip on cover (size 1)	20	**WXEC1**
2 gang clip on cove (size 2)	10	**WXEC2**

WXEC1

WXEC2

IP55
Switches and sockets

The Hager IP55 range has clear silicon gaskets which allows identification of switch position without lifting the cover. The products are rated to IP55 in accordance to BS EN 60529 to provide high level of ingress protection.

The advantages for you:

- Clear silicon gasket allows operation of switch without lifting cover.

- Clear silicon gasket allows to see the ON/OFF position of the switch at a distance

- Large switch rocker allows easy operation.

- Mounting screw locations are segregated from the back box by gaskets for improved IP installation.

Expert tips

1 **Clear membrane**
IP55 switches can be operated through the clear membrane, thereby maintaining full P55 rating.

3 **Status visibilty**
Status of the switch ON/OFF can be seen through the clear membrane.

2 **Easy connection**
20mm conduit knockouts are available on all 4 sides.

- Available in 1, 2 and 3 gang
- Complies with
  BS EN 60529: IP test
  BS EN 60669-1: switches

Features
- Clear silicon gasket allows operation of switch without lifting cover.
- Clear silicon gasket is replaceable.
- Large switch rocker allows easy operation.
- Mounting screw locations are segregated from the back box by gaskets for improved IP installations.
- 20mm^2 conduit entries avail able on all sides
- IP rated cable gland included.

Technical data
- IP55
- 250V 10AX rated switches
- 1 way and 2 way models
- Switch terminals capable of taking 3 x 1.5mm^2 or 2 x 2.5mm^2 cables
- Earth terminal mounted in back box.

Designation	Characteristics	Cat. ref.
Switches	10AX 1 gang 1 way switch	**XPW5110**
	10AX 1 gang 2 way switch	**XPW5120**
	10AX 2 gang 1 way switch	**XPW5210**
	10AX 2 gang 2 way switch	**XPW5220**
	10AX 3 gang 1 way switch	**XPW5310**
	10AX 3 gang 2 way switch	**XPW5320**
	20AX 1 gang double pole switch	**XPW5200**
Bell press	1 gang bell press	**XPW5910**

XPW5110 / 5120

XPW5210 / 5220

XPW5320

XPW5910

- Available in 1, 2 and 3 gang
- Complies with
  BS EN 60529: IP test
  BS 1363: sockets

Features
- Clear silicon gasket allows operation of switch without lifting cover.
- Clear silicon gasket is replaceable.
- Large switch rocker allows easy operation.
- Mounting screw locations are segregated from the back box by gaskets for improved IP installations.
- 20mm^2 conduit entries available on all sides
- IP rated cable gland included.

Technical data
- IP55
- 250V 13A sockets
- Socket terminals capable of taking 3 x 2.5mm^2 or 2 x 4mm^2 cables
- Earth terminal mounted in back box.

	Designation	Characteristics	Cat. ref.
	Unswitched sockets	13A 1 gang unswitched socket	**XSW5113**
		13A 2 gang unswitched socket	**XSW5213**
	Switched sockets	13A 1 gang DP switched socket	**XSW5114**
		13A 2 gang DP switched socket	**XSW5214**

XSW5113

XSW5213

XSW5214

XPW5114

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.

2

4

1

3

5
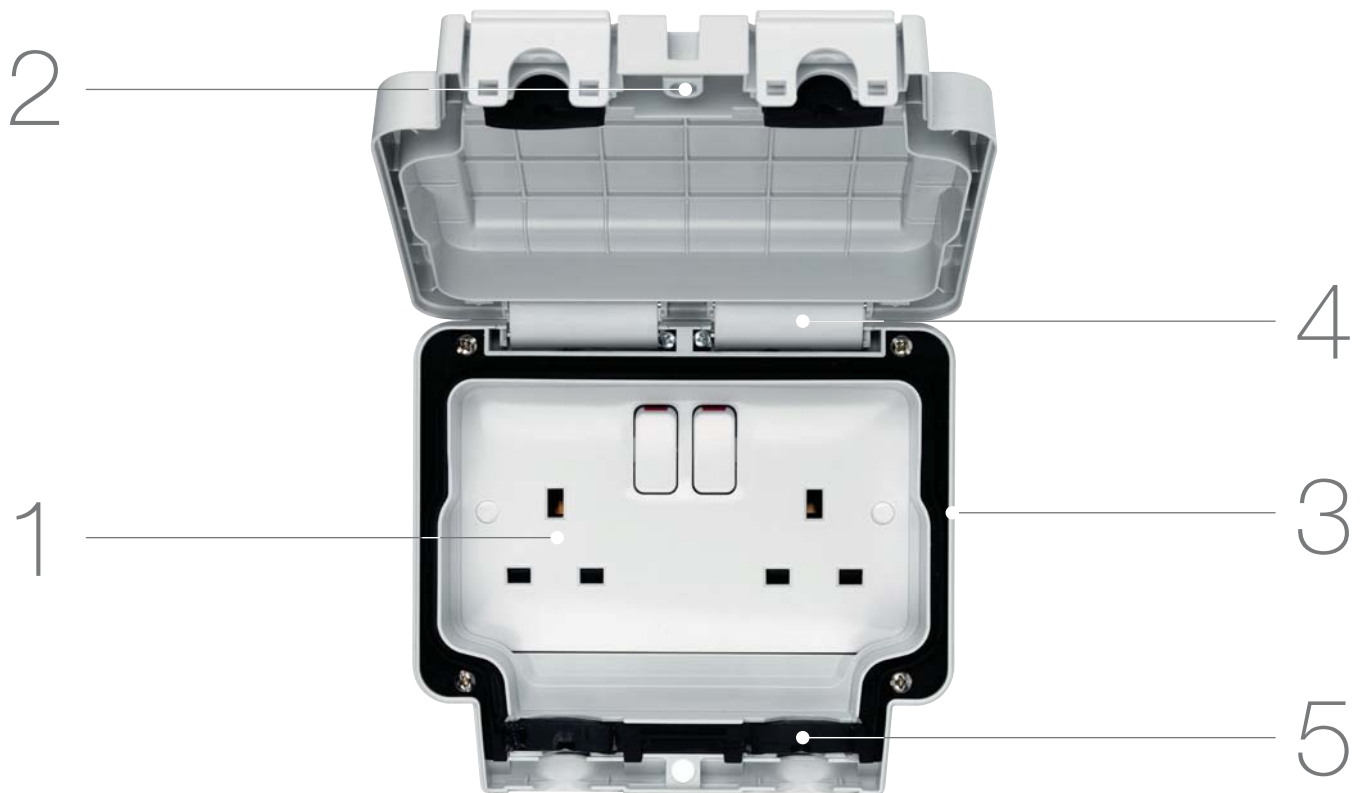
The advantages for you:

• 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

180º
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).

:hager

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

New

WXPPS12

WXPPS22

WXPSS81

WXPSS82

Description	Dimension (mm) h x w	Pack qty.	Cat. Ref.
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 1gang 1 way switch	90 x 90	1	**WXPDP84**
20AX double pole 1 gang 1 way switch with neon	90 x 90	1	**WXPDP84N**
20AX double pole 2 gang 1 way switch	90 x 90	1	**WXPDP842**
10A 1 gang bell push switch	90 x 90	1	**WXPPS12B**
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**
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**

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

Electrical specification:
Tested and complies with BS EN 60947-3

Rated voltage: 250V ~ AC
                          440V ~ AC

Rating AC23A.

Mechanical specification:
Protection Category: IP66
Material: Polycarbonate - UV grade

Devices and accessories:
DP 20-63A (4 ratings)
TP & N 20-40A (3 ratings)
TP & SW N 20-63A (4 ratings)

JG332IN

Designation	Characteristics	Cat. ref.
2 pole	20A	**JG220IN**
	32A	**JG232IN**
	40A	**JG240IN**
	63A	**JG263IN**
3 pole	20A	**JG320IN**
	32A	**JG332IN**
	40A	**JG340IN**
3 pole + switched neutral	20A	**JG420IN**
	32A	**JG432IN**
	40A	**JG440IN**
	63A	**JG463IN**

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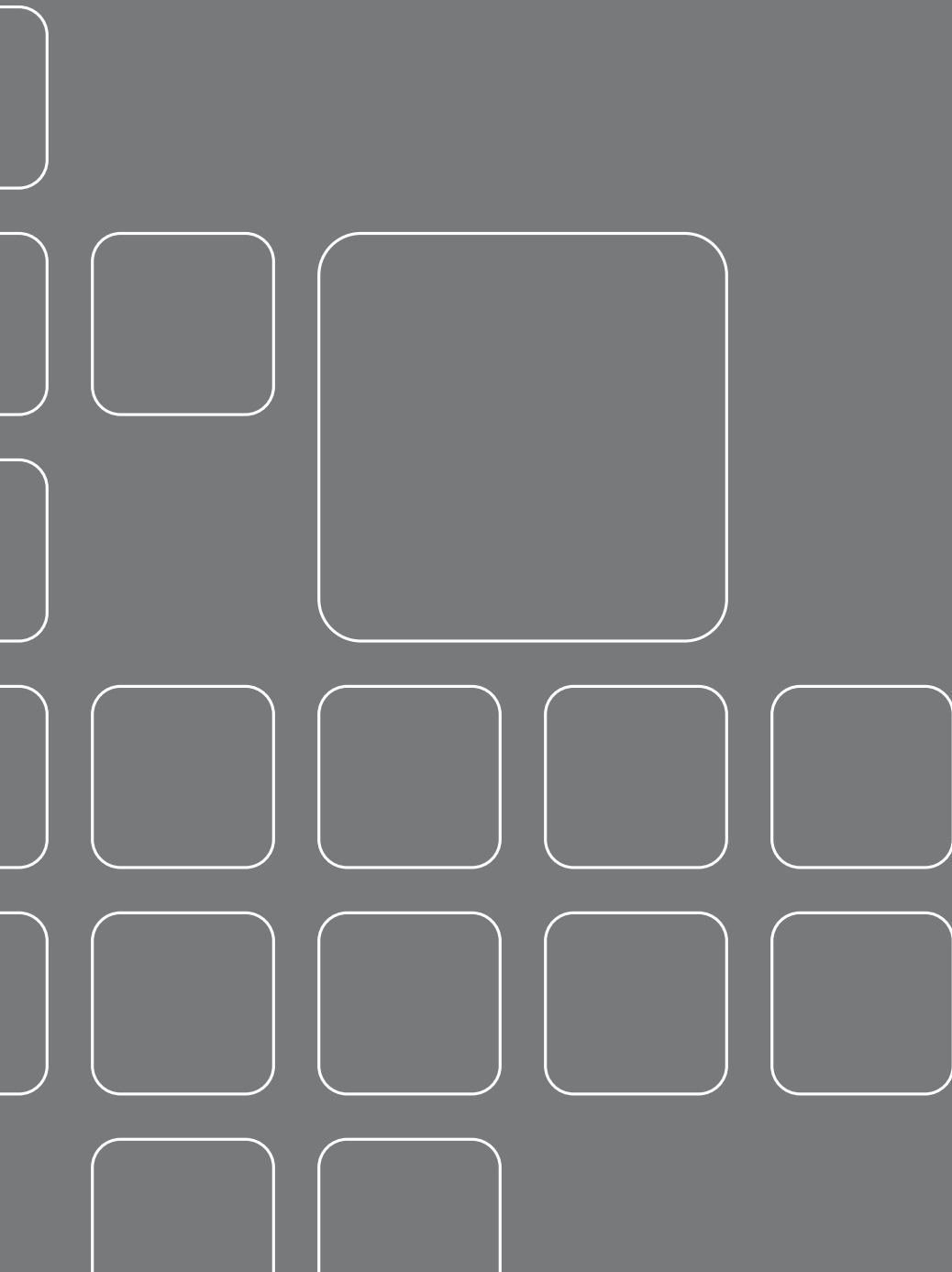
Compliance with standards
Regulation 511-01-01 of BS 7671 : Requirements for Electrical Installations, IEE Wiring Regulations Sixteenth Edition is of particular importance to specifiers and installers with respect to product standards.

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 Comite European 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 worlds 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 standards. See the table below for further information.

Product description	Compliance	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
10A Wall switch	BS EN 60669-1 : 2000 IEC 60669-1 Ed.3.2b : 2007 CB certificate	Switches for household and similar fixed electrical installations
Dimmer switches	BS EN 60669-2-1 : 2004 IEC 60669-2-1 Ed.4.0b : 2002	Electronic variable control switches (dimmer switches) for tungsten filament lighting
13A Socket Outlets	BS 1363 : Part 2 : 1995 SS145 SASO 2203 : 2003	13A plugs, socket-outlets, adaptors and connection units 13A DP switched socket outlets
15A Switched Socket	BS 546 : 1950 (1988) SS472	Specification. Two-pole and earthing-pin plugs, socket-outlets and socket-outlet adaptors
20A DP Switches	BS EN 60669-1 : 2000 IEC 60669-1 Ed.3.2b : 2007 CB certificate	Switches for household and similar fixed electrical installations
13A Fused Connection Unit	BS 1363 : Part 4 : 1995	Specification for 13A fused connection units switched and unswitched
45A DP Switches	BS EN 60669-1 : 2000 IEC 60669-1 Ed.3.2b : 2007 CB certificate	Switches for household and similar fixed electrical installations
45A Cooker Control Unit	BS 4177 : 1992	Cooker control units
Shaver Socket Outlet	BS EN 61558-2-5 : 1998 IEC 61558-2-5 : 1997	General Requirements Isolating transformers and safety isolating transformers Electromagnetic compatibility, immunity requirements for household CB certificate appliances tools and similar apparatus.
25A/45A Flex Outlet Plate	BS 5733 : 1995	General Requirements for Electrical Accessories
BS Batten	BS EN 61184 : 1997	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.

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

The second character numeral
indicates 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 first character numeral
protection against solid substances

| IP	Test	Short Description	Definition
0		Non - protected	No special protection
1	∅ 50mm	Protected against solid objects greater than 50mm	A large surface of the body, such as a hand (but no protection against deliberate access) solid objects exceeding 50mm in diameter.
2	∅ 12.5mm	Protected against solid objects greater than 12.5mm	Fingers or similar objects not exceeding 80mm in length; solid objects exceeding 12.5mm in diameter
3	∅ 2.5mm	Protected against solid objects greater than 2.5 mm	Tools, wires, etc...., of diameter or thickness greater than 2.5 mm; solid objects exceeding 2.5 mm in diameter
4		Protected against solid objects greater than 1.0 mm	Wires or strips of thickness greater than 1.0 mm; solid objects exceeding 1.0 mm in diameter
5		Dust-protected	Ingress of dust is not totally prevented but dust does not enter in sufficient quantity to interfere with satisfactory operation of the equipment
6		Dust - light	No ingress of dust

The second character numeral
protection against liquid substances

| IP	Test	Short Description	Definition
0		Non - protected	No special protection
1		Protected a gainst dripping water	Dripping water (vertically) falling drops) shall have no harmful effect
2		Protected against dripping water when titled up to 15°	Vertically dripping water shall have no harmful effect when the enclosure is titled at any angle up to 15° from its normal position
3		Protected against spraying water greater than 60°	Water falling as a spray at an angle up to 60° from the vertical shall have no harmful effect
4		Protected against splashing water	Water splashed against the enclosure from any direction shall have no harmful effect
5		Protected against water jets	Water projected by a nozzle against the enclosure from any direction shall have no harmful effect
6		Protected against heavy seas	Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities
7	15 cm	Protected against the effect of immersion	Ingress of water in a harmful quantity shall not be possible when the enclosure is immersed in water under defined conditions of pressure and time
8	m	Protected against submersion	The equipment is suitable for continuous submersion in water under conditions which shall be specified by the manufacturer

Circuit diagrams

One way switch
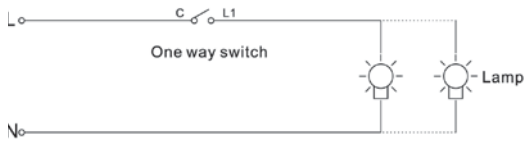
Two way switch
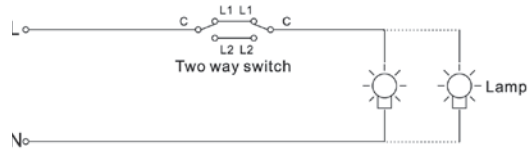
Marked 🔔 **switch**
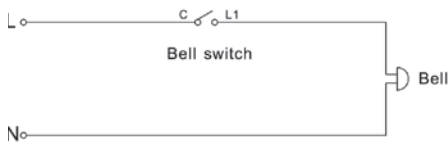
Marked PRESS switch
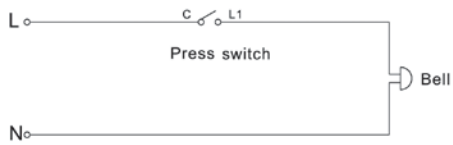
Intermediate Switch
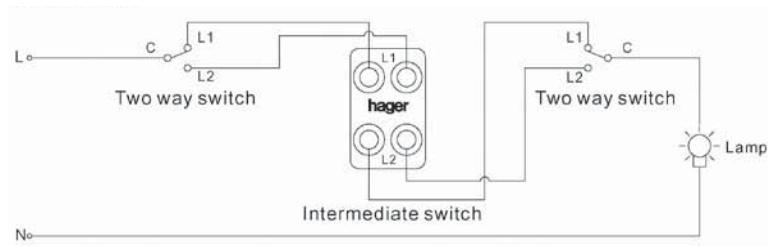
Dimmer Switch

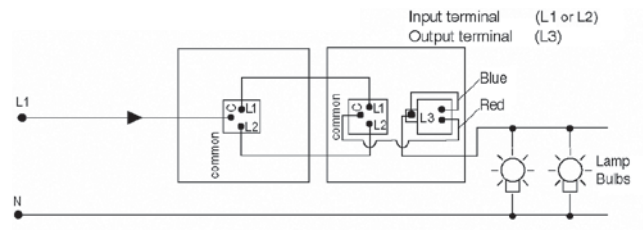**1. One way connection**
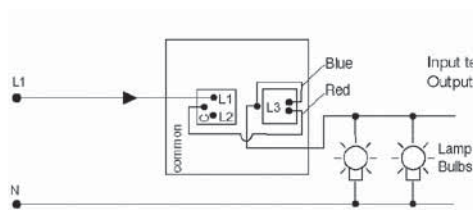
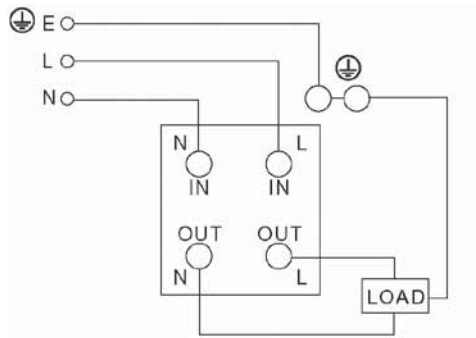**2. Two way connection**

Fan control

1. One way connection
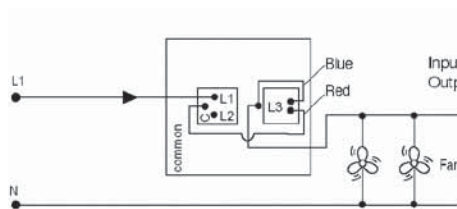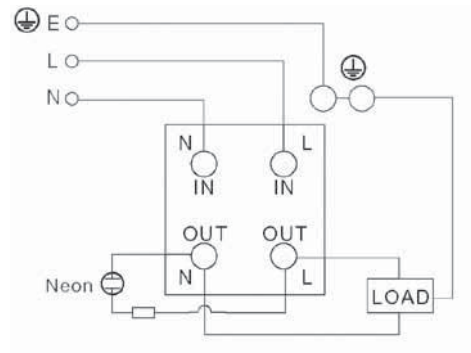

2. Two way connection
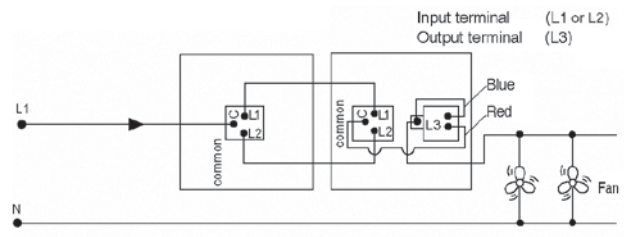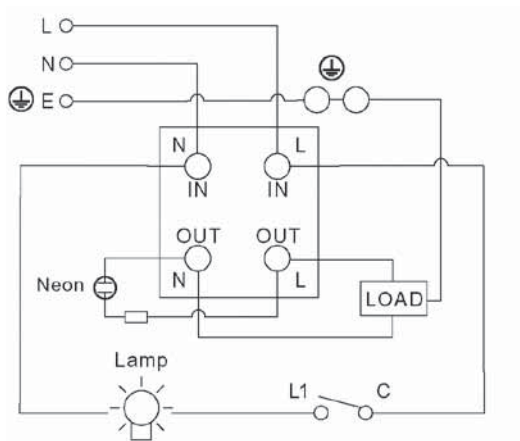
Circuit diagrams

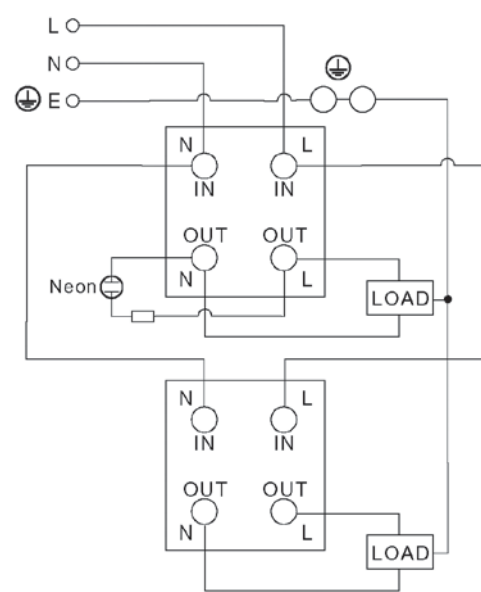**Double Pole Control Switch**

Double Pole Control Switch with Neon

**Double Pole Control Switch 20AX
with Neon + 10AX**
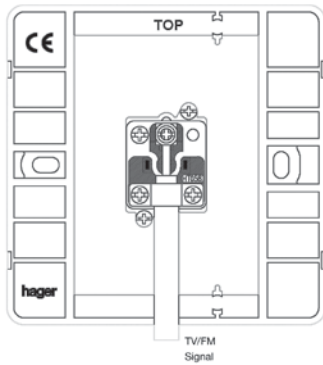

**Double Pole Control Switch 20AX
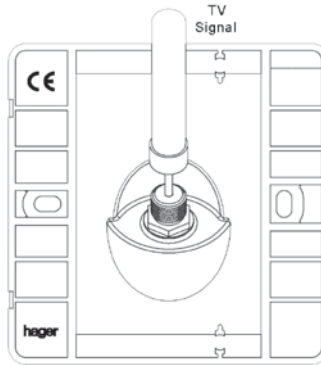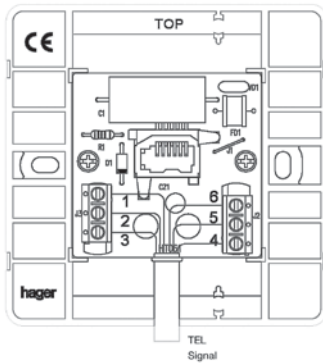without Neon + 20AX with Neon**

Circuit diagrams

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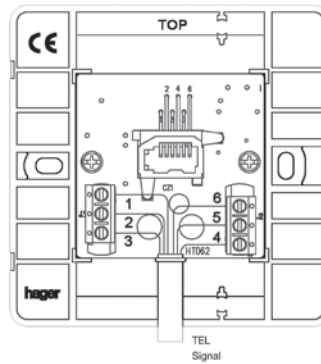
Pin no.	Pin code.
1	Green / White
2	Blue / White
3	Orange White
4	White / Orange
5	White / Blue
6	White / Green

RJ45-RJ11 data outlet
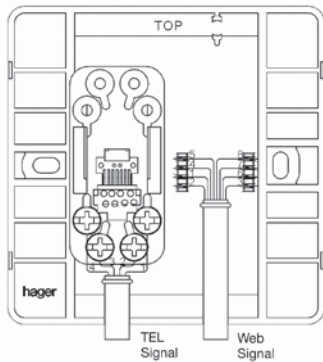
Pin no.	Pin code.
1	Yellow
2	Green
3	Red
4	Brown

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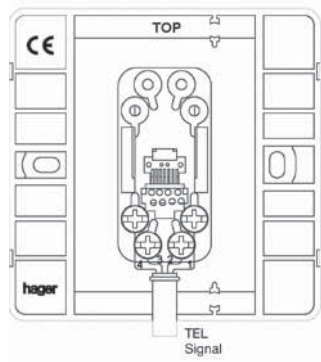
Pin no.	Pin code.
1	Yellow
2	Green
3	Red
4	Brown

RJ45 data outlet
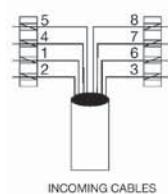
Jack Pin	A	B
1	White / Green	White / Orange
2	Green / White	Orange / White
3	White / Orange	White / Green
4	Blue / White	Blue / White
5	White / Blue	White / Blue
6	Orange / White	Green / White
7	White / Brown	White / Brown
8	Brown / White	Brown / White

Circuit diagrams

Key tag
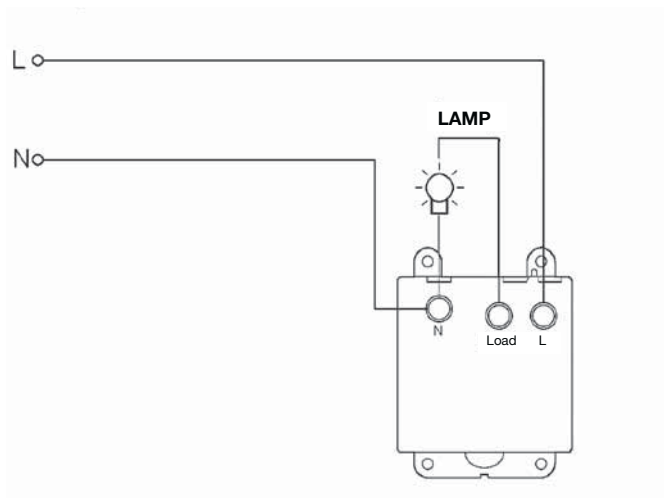
"DND" & "PLS CLEAN UP" indication box with door bell
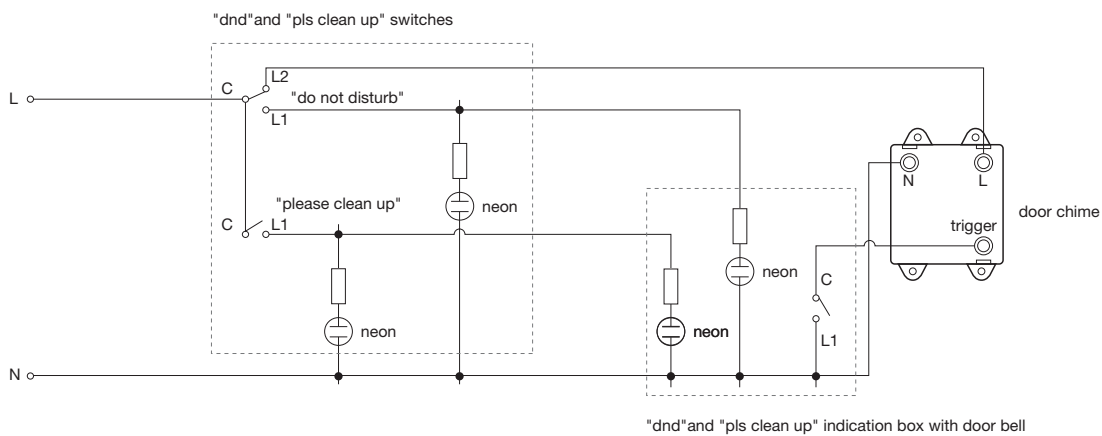
"dnd"and "pls clean up" indication box with door bell

Dimensions

Size 1
Dimension: 86mm x 86mm
Mounting: 60.3mm

Size 2
Dimension: 86mm x 146mm
Mounting: 120.6mm

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Dimensions

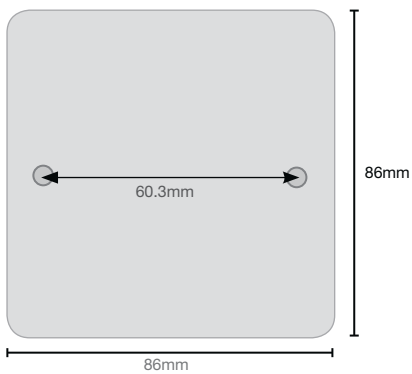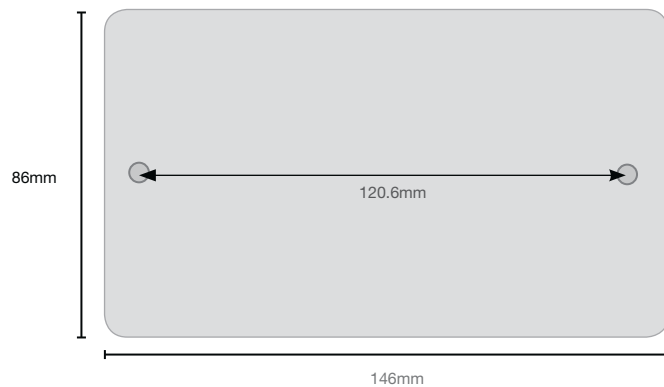| Reference no.	Product Range	IP Rating	Height (mm)	Width (mm)	Depth (mm)
XPW5110	1G 1 Way Switch 10 AX	IP55	91.0	84.0	67.5
XPW5120	1G 2 Way Switch 10 AX	IP55	91.0	84.0	67.5
XPW5910	1G 10AX Bell Switch	IP55	91.0	84.0	67.5
XRW5200	1G DP Switch 20 AX	IP55	91.0	84.0	67.5
XPW5210	2G 1 Way Switch 10 AX	IP55	91.0	84.0	67.5
XPW5220	2G 2 Way Switch 10 AX	IP55	91.0	84.0	67.5
XPW5320	3G 2 Way Switch 10 AX	IP55	91.5	110.0	67.5
XSW5113	1G Socket Unswitched 13 A	IP55	91.0	84.0	67.5
XSW5114	1G Socket Switched 13 A	IP55	91.5	110.0	67.5
XSW5213	2G Socket Unswitched 13 A	IP55	91.0	151.0	67.5
XSW5214	2G Socket Switched 13 A	IP55	91.0	151.0	67.5

IP55

IP66 isolators

:hager
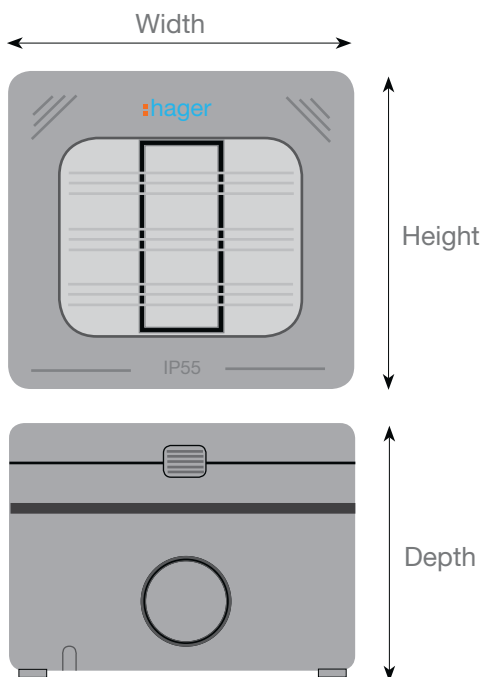
Dimensions

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
JG220IN	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
JG420IN	63 A	170	84	87

• All dimensions are in mm

OFF
ON

:hager

Warranty:

A warranty period of 10 years* is offered on Hager products, from date of manufacture, relating to any material or manufacturing defect.

The warranty is withdrawn if:
After inspection by Hager quality control department the device is found to have been installed in a manner which is contrary to IEE wiring regulations and accepted practice within the industry at the time of installation.

Warranty does not include damages or scratches caused due to inappropriate cleaning or use of any abrasive material.

An explanation of defect must be included when returning the goods.

* Excludes electronic products, which have a warranty of 2 years from date of manufacture.

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