Hager Inspire wiring accessories

Design for a better life

:hager

Milestones of Hager wiring accessories





1919

Berker Brothers began to manufacture the first batch of rotary switches in Schalksmühle. Every detail was as simple, elegant, and functional as all Berker's other subsequent models. 1948

Traditionally, water-proof switches are made of cast resin or ceramics. Therefore, Berker's molded plastics rotary switch is a real innovation. The threads of the rotary switch are pressed into the top of the gland cover and grease cavity seals are installed on the axle. This type of switches features optimal waterproof performance. Its basic design features remained unchanged for decades of years.



1966

Although it seems quite natural today, dating back to 1966, the launch of a switch equipped with a dismountable switch cover that can be backfilled after the completion of the painting engineering indicated a significant innovation and great progress in terms of convenience. Moreover, since the switch cover is easy to change, many of the 1966 rocker switches are still in good keep today and can still work normally.



1980

The combination of circle and square was one of our most successful products in the grim technical environment in the 1980s.



1996

'Twinpoint' design has interchangeable decorative rings, which provides all kinds of design possibilities



1928

Form + Function: When Bauhaus began to carry this concept forward, Berker Brothers have turned to the famous architect Louis Henri Sullivan's design concept. Functional and perfect design combined with reliable technology— Berker's switches already had all the elements that a product needs to become classic. These products later became classic indeed.



1957

The cover of this type of switch is as colorful as any of the modern works of art—That is why this colorful sample is called 'Chagall'.



1972

A big success, where modularization is used, the first type of stainless all-metal switch— Another real innovation.



1983

An expert to deal with difficult tasks: 'ISO-Panzer' has excellent waterproof and shockproof performances excellent waterproof and shockproof performances



1999

TS series can not only assist in creating special lighting effect, but can also combine KNX system for operating the complete smart home system.



2003

Full ranges included system 8000, 9000, 9088 metal ranges for Asia launched.



2008

The greatest feature of TS Crystal Ball is its glittering Swarovski crystal and sensitive optical reflection sensor, very charming.



2009

Touch of style as system 10088 equipped with large rocker and blue LED indication.



2016

Berker Q.7 not only highlights its form, functions, and craftsmanship, but also lifts architectural individuality and material application to a higher level.



2020

Hager Dream, Hager Inspire, Hager Muse with best-in-class aesthetics design, quality and full functions to answer all needs.



2004

Intelligence is a kind of beauty. Undoubtedly, B.IQ looks very beautiful: The first type of smart and fashionable home control unit in the world indicates the arrival of the new era of comfort.



2007

Only by touching... That is the artistic state to start to control a room. Technical progress makes it possible for us to combine minimalism with modern technology and create a new exchange mode.



2011

R.1 series explains its design of round angle of the excircle in its unique way. It has a soft framework outline and all kinds of functional versions. It is a good choice for all residential and decoration projects.



2013

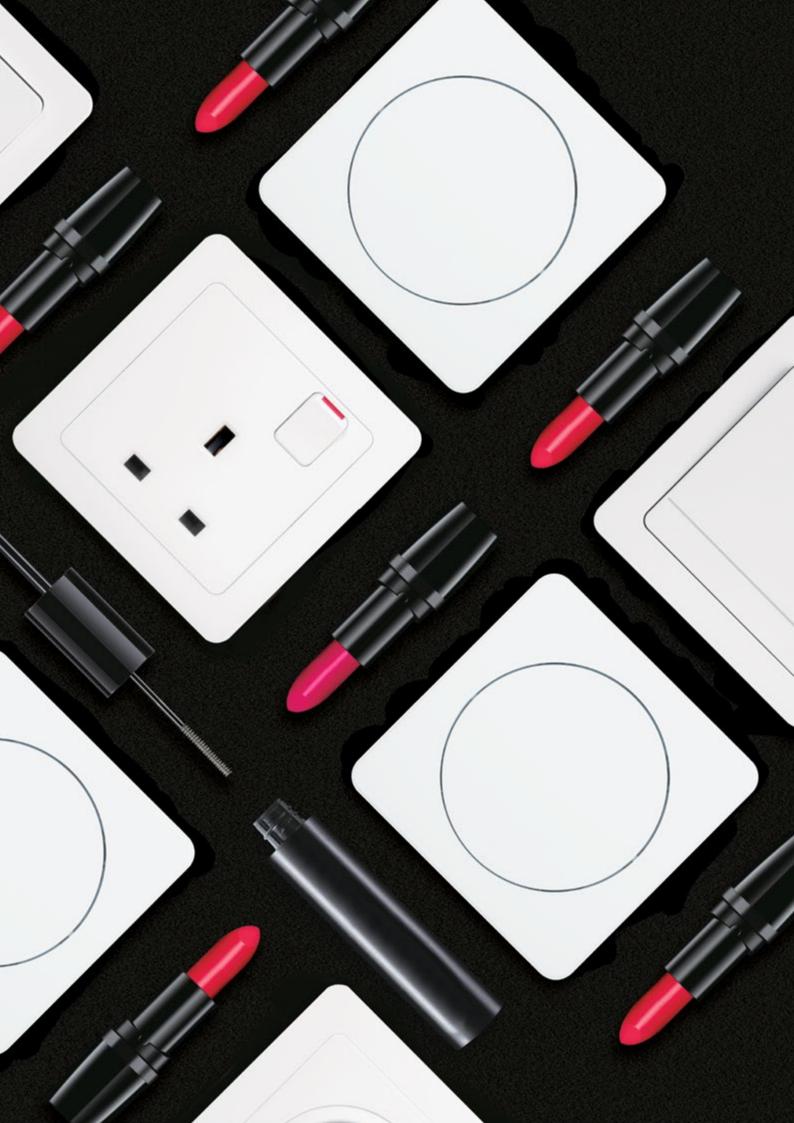
stylea with slim and nice profile large rocker provided affordable option.



2018

Dream series, designed by the European designer, Erwin van Handenhoven, a winner of many international awards, bring elegant life experience to customers.

Inspire to aim high

















Creative round design













With fine craft, designed precisely, only for the purpose of providing abundant wiring space and convenient installation means.







Delicate chamfering

Good design lies in every detail. Creative and delicate idea brings excellence to our living and working spaces.



Multicolor options

Many choices to fit your ideas: white, aurora silver, noble bronze, knight black, and elegant gold.







The unique brand

Individuality need not to be displayed but it is an expression of your character. The hager brand is exquisitely and uniquely located on the side, offering the product boundless space for expression and letting the essence of beauty blend with the quality of life.



Consistent in size

In accordance with the highest standard, the switch and socket are consistent in size, offering flexible interchange-ability.



13A 3 pin socket with USB charger

The socket is equipped with two 2.4A USB chargers, which intelligently adapt to mobile devices with different power consumptions, ensuring safety and fast charging.

Multi gang frame

Conjoined switch, socket and data combination, a delight on the wall, convenient and beautiful.

...

.



Customized panels

To meet design requirements, customers can enjoy exclusive customized service, making your switch panels unique.





Switch equipped with fluorescent indicator

The switch is dotted with rays of light like twinkling stars, waiting quietly for its guests to enter. Responding to your fingertip, it makes the home bright.



Ensuring safety against water and dust ingress when operating in wet and dusty areas.







Quick installation

The mounting bracket has superior strength and rigidity. It is suitable for all kinds of installation conditions.

U type screwed terminals

Capacity of terminal can fit 3 x 4mm² flexible/ rigid cable. However, it is easy for wiring and faster for installation.











4.2A, 5V charger with 1 Type C and 2 Type A port suits most portable electronic devices. No need for extra charger, with only USB cables. Up to 3 devices can be charged simultaneously. Easy and convenient to use.





16AX reliable and high performance

Mechanical switch Rated current: 16AX Rated Power: 4000W The load capacity of switch is stronger, for better performance in increasing demanding installation.

Identification for power

Delayed power off is built-in, which save power in a smart way. The insert tag switch has LED indicator, which makes it easy for you to find the slot in the dark. After power on, the indicator will turn off automatically.



Hager Inspire series

Hager Inspire series

Page

Switches	18-19
Dimmer and fan controller switches	19
Double pole control switches	20
Connection unit	21
5A and 10A socket outlets	22
13A socket outlets	22
15A and 16A socket outlets	23
Communication and data	24
Hotel range	25
Others	26
Product standard	27
Ingress protection	30
Circuit diagram	31
Application	34
Success cases	40

Hager Inspire Wall switches



 Complies with IEC 60669-1 CB certificate 'AX' rated - No need to derate for fluorescent loads 		- Supplied with M3.5 x 37 mm long fixing screws			pacity of each t (1.5 mm ² (2.5 mm ² vo way switches red either 1 way	can be	 Terminal markings denote: L1 = one way L2 = two way C = common Material: Polycarbonate 	
		Description	Pack qty.	Cat. Ref. White	Cat. Ref. Aurora Silver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
		Large dolly switch 16AX, 1 gang 1 way	10	WGCL111	WGCXL111AS	WGCXL111NB	WGCXL111KB	WGCXL111EG
		16AX, 1 gang 2 way	10	WGCL112	WGCXL112AS	WGCXL112NB	WGCXL112KB	WGCXL112EG
WGCL111 WGCL112	WGCL121 WGCL122	16AX, 2 gang 1 way	10	WGCL121	WGCXL121AS	WGCXL121NB	WGCXL121KB	WGCXL121EG
		16AX, 2 gang 2 way	10	WGCL122	WGCXL122AS	WGCXL122NB	WGCXL122KB	WGCXL122EG
	(TTT)	16AX, 3 gang 1 way	10	WGCL131	WGCXL131AS	WGCXL131NB	WGCXL131KB	WGCXL131EG
		16AX, 3 gang 2 way	10	WGCL132	WGCXL132AS	WGCXL132NB	WGCXL132KB	WGCXL132EG
		16AX, 4 gang 1 way	10	WGCL141	WGCXL141AS	WGCXL141NB	WGCXL141KB	WGCXL141EG
WGCL131 WGCL132	WGCL141 WGCL142	16AX, 4 gang 2 way	10	WGCL142	WGCXL142AS	WGCXL142NB	WGCXL142KB	WGCXL142EG

L		

WGCL111F WGCL112F



WGCL131F WGCL132F



WGCR121 WGCR122

WGCL121F

WGCL122F

Large dolly switch w	ith flu	orescence				
16AX, 1 gang 1 way	10	WGCL111F	WGCXL111FAS	WGCXL111FNB	WGCXL111FKB	WGCXL111FEG
16AX, 1 gang 2 way	10	WGCL112F	WGCXL112FAS	WGCXL112FNB	WGCXL112FKB	WGCXL112FEG
16AX, 2 gang 1 way	10	WGCL121F	WGCXL121FAS	WGCXL121FNB	WGCXL121FKB	WGCXL121FEG
16AX, 2 gang 2 way	10	WGCL122F	WGCXL122FAS	WGCXL122FNB	WGCXL122FKB	WGCXL122FEG
16AX, 3 gang 1 way	10	WGCL131F	WGCXL131FAS	WGCXL131FNB	WGCXL131FKB	WGCXL131FEG
16AX, 3 gang 2 way	10	WGCL132F	WGCXL132FAS	WGCXL132FNB	WGCXL132FKB	WGCXL132FEG
16AX, 4 gang 1 way	10	WGCL141F	WGCXL141FAS	WGCXL141FNB	WGCXL141FKB	WGCXL141FEG
16AX, 4 gang 2 way	10	WGCL142F	WGCXL142FAS	WGCXL142FNB	WGCXL142FKB	WGCXL142FEG



WGCR111 WGCR112



WGCR131 WGCR132

10	WGCR111	WGCXR111AS	WGCXR111NB	WGCXR111KB	WGCXR111EG
10	WGCR112	WGCXR112AS	WGCXR112NB	WGCXR112KB	WGCXR112EG
10	WGCR121	WGCXR121AS	WGCXR121NB	WGCXR121KB	WGCXR121EG
10	WGCR122	WGCXR122AS	WGCXR122NB	WGCXR122KB	WGCXR122EG
10	WGCR131	WGCXR131AS	WGCXR131NB	WGCXR131KB	WGCXR131EG
10	WGCR132	WGCXR132AS	WGCXR132NB	WGCXR132KB	WGCXR132EG
	10 10 10 10	 WGCR112 WGCR121 WGCR122 WGCR131 	 WGCR112 WGCXR112AS WGCR121 WGCXR121AS WGCR122 WGCXR122AS WGCR131 WGCXR131AS 	 WGCR112 WGCXR112AS WGCXR112NB WGCR121 WGCXR121AS WGCXR121NB WGCR122 WGCXR122AS WGCXR122NB WGCR131 WGCXR131AS WGCXR131NB 	 WGCR112 WGCXR112AS WGCXR112NB WGCXR112KB WGCR121 WGCXR121AS WGCXR121NB WGCXR121KB WGCR122 WGCXR122AS WGCXR122NB WGCXR122KB WGCR131 WGCXR131AS WGCXR131NB WGCXR131KB

:hager

Hager Inspire Wall switches

- Complies with IEC 60669-1 CB certificate		- Supplied with N long fixing scre		- Capacity of e 3 x 1.5 mm² 2 x 2.5 mm²	each terminal:	- Material: poly	vcarbonate
		Description Pa qt	ack Cat. Ref. y. White	Cat. Ref. Aurora Sliver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
	a.	Large dolly swit 10AX, 1 gang 10 intermediate		WGCXL113AS	WGCXL113NB	WGCXL113KB	WGCXL113EG
WGCL113	WGCL111B	10A, 1 gang 10 bell switch mark bell symbo		WGCXL111BAS	WGCXL111BNB	WGCXL111BKB	WGCXL111BEG
WGCL111E		10A, 1 gang 10 press switch mark "EXIT"	WGCL111E	WGCXL111EAS	WGCXL111ENB	WGCXL111EKB	WGCXL111EEG
		Press switch 10A, 1 gang 10	WGCL111P	WGCXL111PAS	WGCXL111PNB	WGCXL111PKB	WGCXL111PEG
		10A, 2 gang 10	WGCL121P	WGCXL121PAS	WGCXL121PNB	WGCXL121PKB	WGCXL121PEG
WGCL111P	WGCL121P	10A, 3 gang 10	WGCL131P	WGCXL131PAS	WGCXL131PNB	WGCXL131PKB	WGCXL131PEG
		10A, 4 gang 10	WGCL141P	WGCXL141PAS	WGCXL141PNB	WGCXL141PKB	WGCXL141PEG
WGCL131P	WGCL141P						
\bigcap		Press round sw 10A, 1 gang 10		WGCXR111PAS	WGCXR111PNB	WGCXR111PKB	WGCXR111PEG
$\left(\right)$		10A, 2 gang 10	WGCR121F	WGCXR121PAS	WGCXR121PNB	WGCXR121PKB	WGCXR121PEG
WGCR111P WGCR131P	WGCR121P	10A, 3 gang 10	WGCR131F	WGCXR131PAS	WGCXR131PNB	WGCXR131PKB	WGCXR131PEG
Hager Ir Dimmer		ntroller swi	tches				
- Complies wit IEC 60669-2-		 Supplied with I long fixing screet 		- Capacity of e 3 x 1.5 mm ²	each terminal:	- Material: Pol	ycarbonate
			ick Cat. Ref. y. White	Cat. Ref. Aurora Sliver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
	* (o)-	Fan control 250VA, single 6	WGCEFR250	WGCXEFR250AS	WGCXEFR250NB	WGCXEFR250KB	WGCXEFR250EG
WGCEFR250	WGCEDR500	Dimmer 40-500W 6 single, 2 way	WGCEDR500	WGCXEDR500AS	WGCXEDR500NB	WGCXEDR500KB	WGCXEDR500EG



- Complies with IEC 60669-1 CB certificate		- Supplied wi			- Capacity of 6 20AX L, N, E: 2 x 4 32A, 45A L, N : 2.5 m E x 2: 2.5 m	4 mm² m² ~ 16 mm²	- Material: Po	lycarbonate
		Description		Cat. Ref. White	Cat. Ref. Aurora Silver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
		DP switch 20AX, 1 gang 20AX, 2 gang		WGCL2D1 WGCL2D2	WGCXL2D1AS WGCXL2D2AS	WGCXL2D1NB WGCXL2D2NB	WGCXL2D1KB WGCXL2D2KB	WGCXL2D1EG WGCXL2D2EG
WGCL2D1	WGCL2D2	Remark: Grey	/ refere	ence product	- coming soon			
		DP switch wit 20AX, 1 gang		WGCL2D1N	WGCXL2D1NAS	WGCXL2D1NNB	WGCXL2D1NKB	WGCXL2D1NEG
		20AX, 2 gang	10	WGCL2D2N	WGCXL2D2NAS	WGCXL2D2NNB	WGCXL2D2NKB	WGCXL2D2NEG
WGCL2D1N WGCL2D12N	WGCL2D2N	20AX, 1 gang 2 way	10	WGCL2D12N	WGCXL2D12NAS	WGCXL2D12NNB	WGCXL2D12NKB	WGCXL2D12NEG

Special marks	Abbreviation	Special marks	Abbreviation	Special marks	Abbreviation
"AIR CONDITONER"	AC	"HOB"	HB	"WASHER"	WS
"DISH WASHER"	DW	"HOOD"	HD	"WASHING MACHINE	WM
"DRYER"	DR	"MICROWAVE"	MW	"WATER HEATER"	WH
"FRIDGE"	FR	"OVEN"	OV		

Example: "WATER HEATER" WH 20AX 1 gang WGCL2D1WH WGCXL2D1ASWH WGCXL2D1NBWH WGCXL2D1KBWH WGCXL2D1EGWH





 Control switch with LED

 32A DP
 8
 WGCR32D1
 WGCXR32D1AS
 WGCXR32D1NB
 WGCXR32D1KB
 WGCXR32D1EG

 45A DP
 8
 WGCR45D1
 WGCXR45D1AS
 WGCXR45D1NB
 WGCXR45D1KB
 WGCXR45D1EG

WGCR32D1

WGCR45D1

Remark: Grey reference product - coming soon

:hager

- 25A connection units Complies with Complies with BS 5733 BS 1363-4 IEC 60998-1 IEC 60998-2-1
- 13A Fused connection units
 - Supplied with M3.5 x 37 $\ensuremath{\mathsf{mm}}$ long fixing screws
- Capacity of each terminal: 25A 4 x 2.5 mm² or 2 x 4 mm² or 1 x 6 mm²

- Material: polycarbonate

13A FCU

L, N: 3 x 4.0 mm² E : 2 x 4.0 mm²

Description	Pack qty.	Cat. Ref. White	Cat. Ref. Aurora Silver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
Connection 25A with flex outlet	unit 14	WGCR25	WGCXR25AS	WGCXR25NB	WGCXR25KB	WGCXR25EG

WGCR25



WGCR13



WGCR13S

1		
5	-	

WGCR13N

WGCR13SN

Fused connection 13A fused 10 w/ flex outlet	n unit WGCR13	WGCXR13AS	WGCXR13NB	WGCXR13KB	WGCXR13EG
13A fused 10 w/ LED + flex outlet	WGCR13N	WGCXR13NAS	WGCXR13NNB	WGCXR13NKB	WGCXR13NEG
13A switched 10 fused w/ flex outlet	WGCR13S	WGCXR13SAS	WGCXR13SNB	WGCXR13SKB	WGCXR13SEG
13A switched 10 fused w/ flex outlet w/ LED	WGCR13SN	WGCXR13SNAS	WGCXR13SNNB	WGCXR13SNKB	WGCXR13SNEG

Remark: Grey reference product - coming soon

Remark: Grey reference product - coming soon

Hager Inspire 5A and 10A socket outlets



- Complies with BS 547 (5A sockets) SS 472 (5A sockets) IEC 60884-1 (10A socket)			- Supplied with M3.5 x 37 mm long fixing screws			ach terminal: 2.5 mm² or 4.0 mm²	 Integral rocker design of switched sockets provides clear red 'on' indication Material: Polycarbonate 	
		Description		ck Cat. Ref. White	Cat. Ref. Aurora Silver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
•	••	Socket outl 5A round pin switched	10	WGCS105S	WGCXS105SAS	WGCXS105SNB	WGCXS105SKB	WGCXS105SEG
WGCS105S	WGCS110US	10A 2 pin switched universal	10	WGCS110US	WGCXS110USAS	WGCXS110USNB	WGCXS110USKB	WGCXS110USE0
**		10A 2 pin +2 pin universal	10	WGCS210U	WGCXS210UAS	WGCXS210UNB	WGCXS210UKB	WGCXS210UEG
WGCS210U		Remark: Gre	ey refe	rence product	- coming soon			
Hager In 13A sock	spire et outlets							
- Complies with BS 1363-2		- Supplied with M3.5 x 37 mm long fixing screws			- USB output o 2.4A (Max)	current	- Material: Poly	carbonate
SS 145-2		- Capacity of each terminal: L, N, E : 3 X 2.5 mm² or 2 X 4.0 mm²			 Integral rocket switched soc clear red 'on' 	kets provides		
		Description		Cat. Ref. White	Cat. Ref. Aurora Silver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
		13A single	10	WGCS113	WGCXS113AS	WGCXS113NB	WGCXS113KB	WGCXS113EG
		13A single switched	10	WGCS113S	WGCXS113SAS	WGCXS113SNB	WGCXS113SKB	WGCXS113SE
WGCS113	WGCS113S	13A single switched w/ LED	10	WGCS113N	WGCXS113NAS	WGCXS113NNB	WGCXS113NKB	WGCXS113NE
		13A single switched + 2 x USB ch			WGCXS113SUSBAS	WGCXS113SUSBNB	WGCXS113SUSBKB	WGCXS113SUSBE
WGCS113N	WGCS113SUSB	13A twin	14	WGCS213	WGCXS213AS	WGCXS213NB	WGCXS213KB	WGCXS213EC
	00	13A twin switched	14	WGCS213S	WGCXS213SAS	WGCXS213SNB	WGCXS213SKB	WGCXS213SE
WGCS213	WGCS213S	13A twin switched w/ LED	14	WGCS213N	WGCXS213NAS	WGCXS213NNB	WGCXS213NKB	WGCXS213NE
- 00 -		13A twin switched + 2 x USB ch			WGCXS213SUSBAS	WGCXS213SUSBNB	WGCXS213SUSBKB	WGCXS213SUSB

Remark: Grey reference product - coming soon

:hager

- Complies with BS 546 (15A sockets) SS 472 (15A sockets) IEC 60884-1 (16A German socket) (Euro-American socket)		 Supplied with long fixing s Capacity of L, N, E : 3 X 2 X 	crews each t	terminal: n² Or	 USB output current - N 2.4A (Max) Integral rocker design of switched sockets provides clear red 'on' indication 		- Material: Poly	- Material: Polycarbonate	
		Description		Cat. Ref. White	Cat. Ref. Aurora Silver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold	
•	\odot	15A round pin switched	10	WGCS115S	WGCXS115SAS	WGCXS115SNB	WGCXS115SKB	WGCXS115SEG	
WGCS115S	WGCS116S	16A German socket w/ shutter	8	WGCS116S	WGCXS116SAS	WGCXS116SNB	WGCXS116SKB	WGCXS116SEG	
	**	16A single Euro-American	10	WGCS116EA	WGCXS116EAAS	WGCXS116EANB	WGCXS116EAKB	WGCXS116EAEG	
WGCS116EA	WGCS216EA	16A twin Euro-American	10	WGCS216EA	WGCXS216EAAS	WGCXS216EANB	WGCXS216EAKB	WGCXS216EAEG	
	E.O	16A single switched universa	10 เI	WGCS116IS	WGCXS116ISAS	WGCXS116ISNB	WGCXS116ISKB	WGCXS116ISEG	
WGCS116IS	WGCS116ISUSB	16A single switched universa +2 x USB charge		WGCS116ISUSB	WGCXS116ISUSBAS	WGCXS116ISUSBNB	WGCXS116ISUSBKB	WGCXS116ISUSBEG	
		16A twin universal	12	WGCS216IS	WGCXS216ISAS	WGCXS216ISNB	WGCXS216ISKB	WGCXS216ISEG	
WGCS216IS	4.14	16A, 2+3 pin universal	8	WGCS216UI	WGCS216UIAS	WGCS216UINB	WGCS216UIKB	WGCS216UIEG	



Remark: Grey reference product - coming soon

Hager Inspire Communication and data



- Supplied with M3.5 x 37 mm long fixing screws

- Material: Polycarbonate



:hager

- Complies with IEC 60669-1 IEC 60669-2-1 IEC 62368-1 (USB)		- Supplied with M3.5 x 37 mm - Material: Polycarbonate long fixing screws						
		Description		Cat. Ref. White	Cat. Ref. Aurora Silver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
WGCHDC		16AX DND & MUR with LED (Indoor)	10	WGCHDC	WGCXHDCAS	WGCXHDCNB	WGCXHDCKB	WGCXHDCEG
-	•	HDMI+VGA	10	WGCHHIVA	WGCXHHIVAAS	WGCXHHIVANB	WGCXHHIVAKB	WGCXHHIVAEG
WGCHHIVA	WGCHRCASV	RCA+S-Vide	e o soc 10	ket WGCHRCASV	WGCXHRCASVAS	WGCXHRCASVNB	WGCXHRCASVKB	WGCXHRCASVEG
- 1-1	- •	USB charger USB charger 4.2A (1 x type (+ (2 x type A)	8	WGCS3USB	WGCXS3USBAS	WGCXS3USBNB	WGCXS3USBKB	WGCXS3USBEG
WGCS3USB	WGCHUSB35	USB + 3.5mr	n aud 10	io WGCHUSB35	WGCXHUSB35AS	WGCXHUSB35NB	WGCXHUSB35KB	WGCXHUSB35EG
•	-0-	Emergency	switch 8	WGCEE1	WGCXEE1AS	WGCXEE1NB	WGCXEE1KB	WGCXEE1EG
WGCEE1	WGCEA6	Audio switcl 6W	n 6	WGCEA6	WGCXEA6AS	WGCXEA6NB	WGCXEA6KB	WGCXEA6EG
		Shaver sock 115/230V	et (wit 1	th frame for co WGCHSR	olor products) WGCXHSRAS	WGCXHSRNB	WGCXHSRKB	WGCXHSREG
		16A key tag - mechanical	6	WGCHKTM	WGCXHKTMAS	WGCXHKTMNB	WGCXHKTMKB	WGCXHKTMEG
WGCHSR	WGCHKTRFID	16A key tag - RFID	6	WGCHKTRFID	WGCXHKTRFIDAS	WGCXHKTRFIDNB	WGCXHKTRFIDKB	WGCXHKTRFIDEG

Hager Inspire Others



	Description		Cat. Ref. White	Cat. Ref. Aurora Silver	Cat. Ref. Noble Bronze	Cat. Ref Knight Black	Cat. Ref Elegant Gold
	Multi-gang 2 gang horizontal	frame 18	WGCCH2	WGCCH2AS	WGCCH2NB	WGCCH2KB	WGCCH2EG
WGCCV2NB	2 gang vertical	18	WGCCV2	WGCCV2AS	WGCCV2NB	WGCCV2KB	WGCCV2EG
wGCCV	3 gang 3 horizontal	12	WGCCH3	WGCCH3AS	WGCCH3NB	WGCCH3KB	WGCCH3EG
WGCCH3NB	3 gang vertical	12	WGCCV3	WGCCV3AS	WGCCV3NB	WGCCV3KB	WGCCV3EG
WGCCH4	4 gang horizontal	12	WGCCH4	WGCCH4AS	WGCCH4NB	WGCCH4KB	WGCCH4EG
	5 gang horizontal	9	WGCCH5	WGCCH5AS	WGCCH5NB	WGCCH5KB	WGCCH5EG
WGCCH5KB							
	Blank plate 1 gang	20	WGCBP1	WGCXBP1AS	WGCXBP1NB	WGCXBP1KB	WGCXBP1EG
WGCBP1							
	Single fram 2 gang	e 25	WGCC2	WGCC2AS	WGCC2NB	WGCC2KB	WGCC2EG
WGCC2	1 gang square	40	WGCC1S	WGCC1SAS	WGCC1SNB	WGCC1SKB	WGCC1SEG
	1 gang round	40	WGCC1R	WGCC1RAS	WGCC1RNB	WGCC1RKB	WGCC1REG
WGCC2AS							
WGCC1S WGCC1SNB							
WGCC1SKB WGCC1SEG							
WGCC1R WGCC1RKB	-						

40 XC9004

:hager

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 Standard. See the table below for further information.

Product description	BS / IEC number	Description
Switches	BS EN 60669-1 IEC 60669-1 CB certificate	Switches for household and similar fixed electrical installations
Indicators	BS 5733	General requirements for Electrical Accessories
Fused connection unit, cord outlets	BS 5733	Switches for household and similar fixed electrical installations with particular requirements for timedelay switches (TDS)
Dimmers	BS EN 60669-2-3	Switches for household and similar fixed electrical installations with particular requirements for timedelay switches (TDS)
Frames and plates	BS 5733	Switches for household and similar fixed electrical installations with particular requirements for timedelay switches (TDS)
10 /16 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 SS145-2	13A plugs, socket-outlets, adaptors and connection units
15 Amp Switched Socket	BS 546 SS472 MS1577	Specification. Two-pole and earthing-pin plugs, socket-outlets and socket-outlet adaptors
20 Amp D.P. Switches	BS EN 60669-1 IEC 60669-1 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	General Requirements Isolating transformers and safety isolating transformers
	IEC 61558-2-5	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 IEC 61184 BS EN 60238 IEC 60238	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	F	Protected against dripping water
2	<u> </u>	Protected against dripping water when tilted up to 15°
3	J J	Protected against spraying water
4	J	Protected against splashing water
5	• [] •	Protected against water jets
6	• 7	Protected against heavy seas
7		Protected against the effect of immer- sion
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
В	Protected against access of a finger
С	Protected against access of a tool - ø 2.5mm
D	Protected against access of a tool - ø 1mm

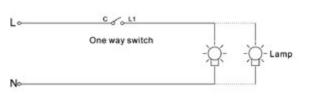
Additional letter (in option)

Specific information on the product

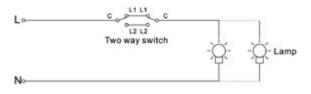
	Description
Н	High voltage material
М	Movements during water test
S	Stationary during water test
W	Bad weather

:hager

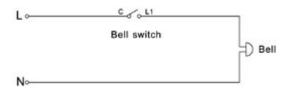
One way switch



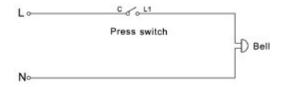
Two way switch



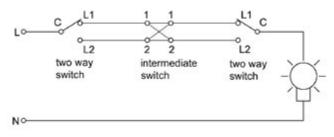
Marked BELL switch



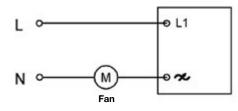
Marked PRESS switch



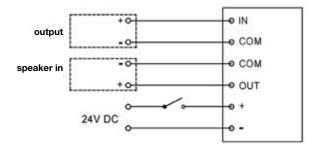
Intermediate switch



Fan control

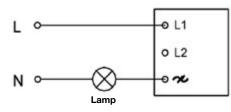


Audio switch

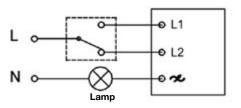


Dimmer switch

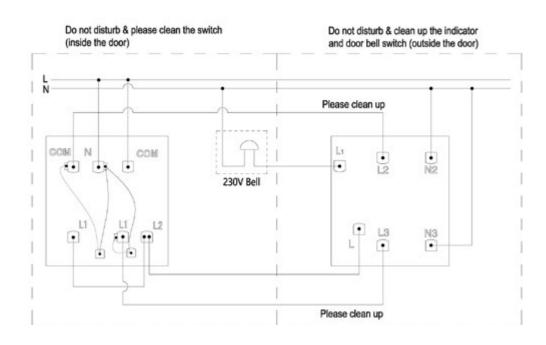
1. One way connection



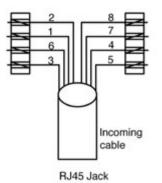
2. Two way connection



Do not disturb and please clean the switch (inside the door) / Do not disturb and please clear the instructions and the doorbell switch (outside the door)



RJ45 Computer module cable diagram EIA/TIA 568B

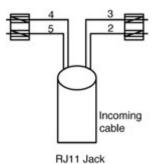


RJ45 Jack pin. EIA/TIA 568B

EIA/TIA 568A

1 White/Orange White/Green 2 Orange Green White/Orange 3 White/Green 4 Blue Blue 5 White/Blue White/Blue 6 Green Orange 7 White/Brown White/Brown 8 Brown Brown

RJ11 Telephone plug-in module cable diagram

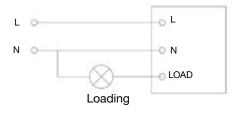


RJ11 Jack pin.

- 2 Blue/White 3 White/Blue 4 White/Red
- 5 Red/White

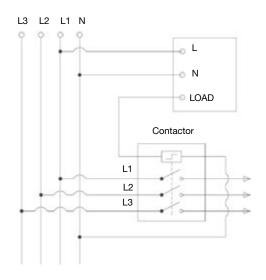
:hager

Key card Direct load

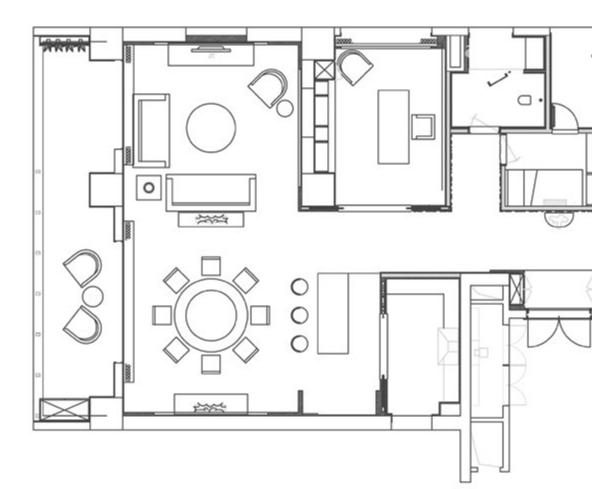


Key card

Connected load through contactor



Residential application

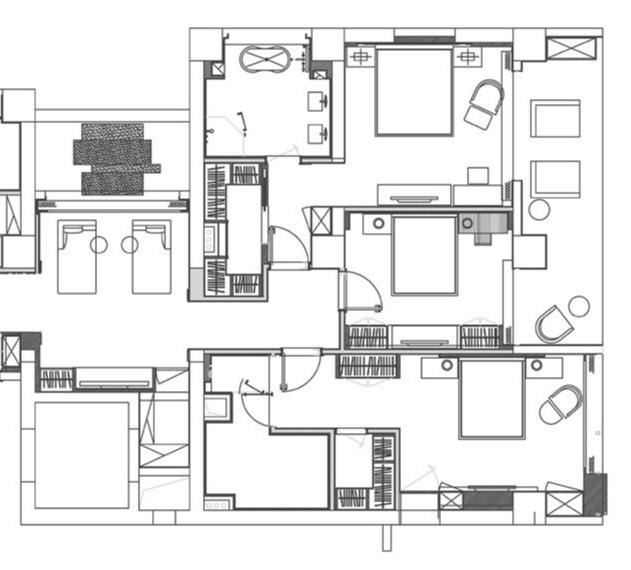


Home garden / dining room

Product catalog	QTY
200W Infrared sensor switch fire control	1
13A single switched socket	2
13A twin socket	2
13A single switched socket + 2 x USB chargers	1
16AX 1 gang 1 way switch	1
16AX 2 gang 2 way switch	1
16AX 2 gang 1 way switch	1
RJ11 outlet, 1 mod	1
RJ45 cat6 outlet	1
TV outlet, 1 mod	1
2 gang horizontal frame	2
5 gang horizontal frame	1

Restaurant / kitchen

Product catalog	QTY
13A single switched socket	8
13A twin socket	2
13A single switched socket + 2 x USB chargers	1
16AX 2 gang 2 way switch	1
16AX 2 gang 1 way switch	1
TV outlet, 1 mod	1
3 gang horizontal frame	2



Bedroom / dressing room / study room Product catalog

QTY	,
-----	---

2

2

1

1

1

1

1

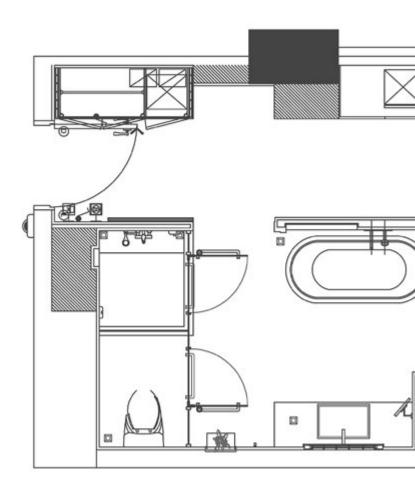
2

Bathroom / balcony

Product catalog	QTY
16AX 2 gang 1 way switch	1
13A single switched socket	2
Blank plate	4
WA cover (IP55)	2

- 10AX 1 gang intermediate 13A twin socket 13A single switched socket + 2 x USB chargers 16AX 2 gang 1 way switch RJ11 outlet, 1 mod RJ45 cat6 outlet
- TV outlet, 1 mod
- Sleeping light

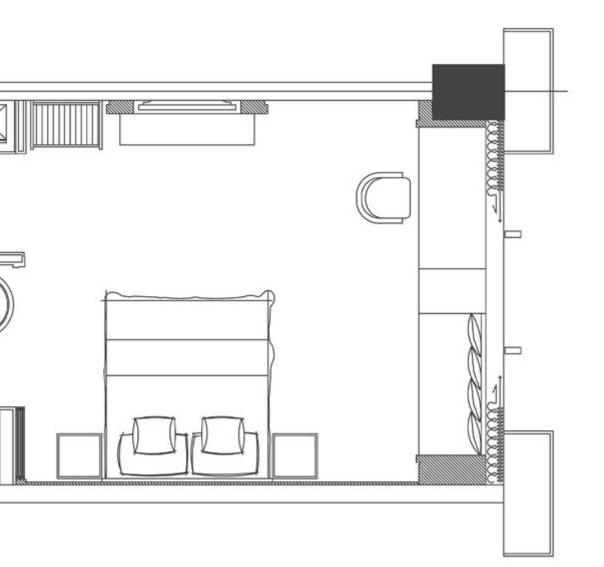
Hotel application



Entrance / Bar counter Product catalog

Froduct catalog
4A DND & MUR indicator w/ bell switch
16A key tag RFID
16AX 1 gang 1 way LED switch
16AX 2 gang 2 way LED switch
13A single switched socket

Bed	
Product catalog	QTY
16AX 2 gang 1 way w/ LED switch	1
13A single switched socket, 2 x USB chargers	1
13A single switched socket	2
40-500W 2 way dimmer	2
RJ11 outlet, 1 mod	1
RJ45 ca5e outlet	1
Sleeping light	1



Desk

Product catalog

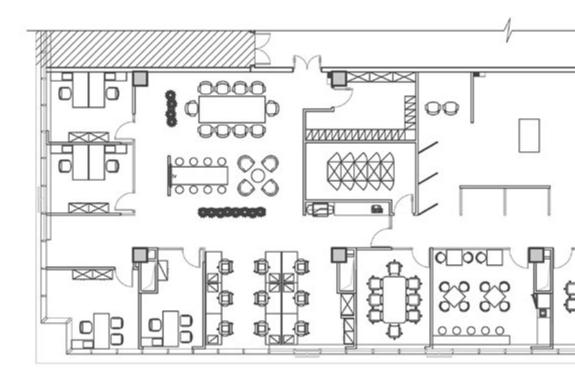
16AX 2 gang 1 way w/ LED switch
HDMI+VGA
13A single switched socket + 2 x USB chargers
13A single switched socket
RJ11 outlet, 1 mod
RJ45 cat6 outlet

Bathroom

QTY

Product catalog	QTY
16AX 2 gang 1 way w/ LED switch	2
Shaver socket	1
Sleeping light	1
SOS emergency switch	1
6W Audio switch	1
13A single switched socket	3
RJ11 outlet, 1 mod	1
WA cover (IP55)	4

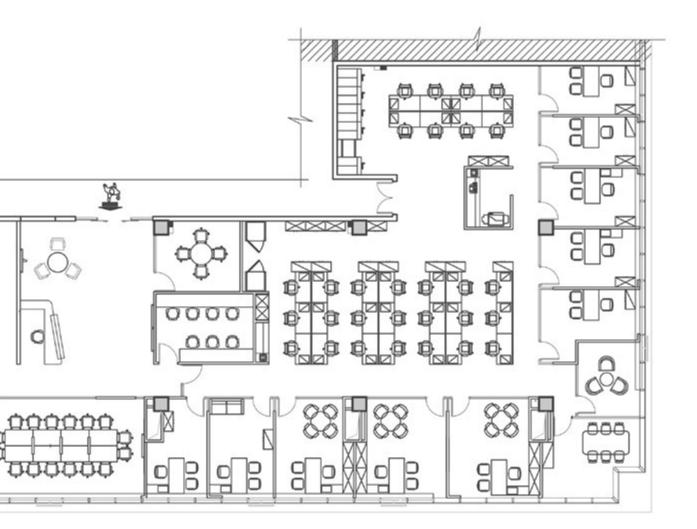
Office application



Single	office
--------	--------

Product catalog	QTY
16AX 1 gang 1 way switch	8
16AX 2 gang 2 way switch	16
13A single switched socket	48
13A single switched socket + 2 x USB chargers	8
RJ45 cat6 outlet	16
HDMI+VGA	8
6A Audio switch	8
2 gang horizontal frame	16
3 gang horizontal frame	16

Open area office Product catalog QTY 16AX 1 gang 1 way switch 6 16AX 3 gang 1 way switch 10 16AX 4 gang 1 way switch 8 13A single switched socket 100 RJ11+RJ45 ca5e outlet 50 6A Audio switch 8 2 gang horizontal frame 6 3 gang horizontal frame 54



QTY

Meeting room Product catalog

16AX 1 gang 1 way switch	2
16AX 2 gang 1 way switch	4
16AX 3 gang 1 way switch	4
13A single switched socket	20
RJ11 outlet	2
RJ45 ca6 outlet	12
HDMI+VGA	1
3 gang horizontal frame	6
4 gang horizontal frame	54

Public area:

reception/ corridor/ pantry/ washroom	
Product catalog	QTY
Sleeping light	12
13A single switched socket	12
200W Infrared sensor switch fire control	16
WA cover (IP55)	4

Success cases

The courage to try to innovate in architectural design; the design of excellence always brings together a lot of ideas; the pursuit of the ultimate detail and the admiration of superior quality. Today, whether in Munich, Berlin and Hamburg, or in Bolzano, Madrid and Seoul, these ideas can be traced in any building in the world. It is no coincidence that Hager switches and systems can be found in all of these places.

Africa

Crystal Cove Hotel, Hurghada, Egypt Somabay, Hurghada, Egypt Hotel Princess, Eilat, Israel Sea Park hotel, Netanya, Israel Mövenpick Resort & Spa Tala Bay, Aqaba, Jordan Park Inn by Radisson Nairobi Westlands, Nairobi, Kenya Radisson Blu Nairobi Upper Hill, Nairobi, Kenya Hotel Carlton, Antananarivo, Madagascar La maison des oliviers Hôtel, Marrakech, Morocco Serena - Polana Mar hotel, Maputo, Mozambique Grand Plaza Hotel, Nampula, Mozambique Pemba Express Hotel, Pemba, Mozambique Transcorp Hilton Hotel, Abuja, Nigeria Sheraton Abuja Hotel, Abuja, Nigeria Sheraton Lagos Hotel, Ikeja Lagos, Nigeria Sheraton Hotel, Lagos, Nigeria POD Camps Bay Hotel, Cape Town, South Africa Parrot Hotel, Arusha, Tanzania Sleep in hotel, Dar es Salaam, Tanzania

China

Sofitel Shenyang Lido, Shenyang New World Beijing Hotel, Beijing Fairmont Beijing, Beijing Marriott Nanjing South Hotel, Nanjing Grand Hyatt, Hangzhou Park Hyatt Ningbo Resort & Spa, Ningbo The Peninsula, Shanghai Le Royal Meridien Hotel, Shanghai Swissôtel Grand Shanghai, Shanghai Mandarin Oriental Pudong, Shanghai Sofitel Shanghai Sheshan Oriental, Shanghai JW Marriott, Hangzhou Four Points by Sheraton Bijie, Guizhou Kempinski Hotel, Yinchuan New World Wuhan Hotel Wuhan Mandarin Oriental Hotel Guangzhou Hyatt Place Shenzhen Airport, Shenzhen The Ritz-Carlton, Shenzhen InterContinental, Shenzhen Swissôtel, Foshan Shangri-La's Sanya Resort & Spa, Hainan

Hong Kong & Macau

Sheraton Hotel Tung Chung Island Shangri-La, Hong Kong Penta Hotel Hotel ICON Royal Plaza Hotel Ritz Cariton Hotel Best Western Hotel (Causeway bay & Tsim Sha Tsui) Harbour Grand Hong Kong Hyatt Regency Hotel Harbourview Horizon Hotel Royal View Hotel Grand Lisboa Macau Studio City Macau Galaxy Macau

Singapore

Grand Hyatt Hotel Goodwood Park Park Regis Ramada & Days Hotel Singapore at Zhongshan Park Hotel Fort Canning

Indonesia

Westin Hotel, Jakarta Courtyard by Marriott, Bali Fairfield by Marriott Sunset Road, Bali The Ritz-Carlton, Bali Resort & Spa, Bali

Vietnam

Novotel Nha Trang Sealink Phan Thiet Sheraton Da Nang Radison Blu Cam Ranh Movenpick Cam Ranh Melia Cam Ranh Hanoi Hotel

India

Taj Palace, Mumbai Hyatt Place, Hyderabad Ritz Carlton Pune, Pune Lemon Tree, 3 hotels (Udaipur, Dehradun, Kolkata) Fairfield Marriott Kolkata, Kolkata

Malaysia

Genting Hotel, Genting Highlands JW Marriott Hotel, Kuala Lumpur WEIL Hotel Ipoh, Perak Alila Bangsar Kuala Lumpur, Kuala Lumpur Hilton Garden Inn Puchong, Selangor Alwaqf Hotel, Kelantan Kimberley Hotel, Penang Iconic Hotel, Penang VE Hotel & Residence, Bangsar South, Kuala Lumpur

Europe

Hotel Sacher, Vienna Hotel Lux Alpinae, St. Anton am Arlberg Hotel Schloss Elmau, Elmau Vigilius Mountain Resort, Lana Hotel Puerta l'America, Madrid Llovd Hotel, Amsterdam Zentrum für Virtuelles Engineering ZVE, Stuttgart Herzogin Anna Amalia Bibliothek, Weimar minimum bulthaup, Berlin Privathaus, Berlin Hyatt Regency, Istanbul Sisli Marriott. Istanbul Sheraton Ateşehir, Istanbul Swissôtel, Istanbul Le Meridien, Istanbul Hilton. Izmir Crowne Plaza, Istanbul

Other Countries

Sedona Hotel, Mandalay, Myanmyar Four Seasons Hotel, Seychelles Makati Shangri-La Hotel, Manila











Hager Silhouette















hagerblu visage





Berker B.IQ





Hager golf

reddot design award winner 2013



Hager witty



Hager Design turns technical products into familiar friends.



International designer Erwin van Handenhoven has been working with Hager since 2000 and his designs have repeatedly won international design awards. Erwin became the Product Design Director of Hager Group in 2013, focusing on shaping the future of Hager products and brands, making Hager design an international vane.

Before we start designing a new product, we think about the people it is going to serve. Will it assist or entertain, observe or protect, save time or save energy? Ideally, whatever it does, users will feel it is a reliable "friend". We need to know how to connect with people on an emotional level, to ensure that in return they feel connected to our products. Design links exquisite emotions to great usability and quality. How to illustrate this better then through this new Hager range? I designed it with special care to become a real trendsetter for good taste. We know that the Asian continent is constantly raising its design sensibility and quality expectations. It is exciting to create in this particular context where tradition and change operate together. This new design range will upgrade the standard of living in a clearly visible way. Hope you enjoy it as much as I do.

Ann

Erwin van Handenhoven

Hager Group Design Director



Hager Electro S.A.S 132 Boulevard d'Europe BP3 67215 Obernai Cedex France

Tel: +33 (0) 3 88 49 50 50

africa.hager.com

