

technical hotline +44 (0)1268 563720

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E enquiry@supermoon.hk
www.supermoon.hk

wireless | wiring devices



range introduction



features and benefits

Imagine switch technology and automated systems that need no wiring, use no batteries and are effortless to install and commission. Echo™ is an innovative range of entirely wireless, batteryless and self-powered switches and controls which can work together offering even more convenience and energy saving opportunities.

Echo™ enables you to create your own automated control system for a domestic or commercial environment. With the ability to incorporate a range of transmitters from switches, temperature sensors and presence detectors, alongside a range of receivers, the installer can create a flexible system which can deliver safety, comfort, cost savings and energy efficiency for the building owner or user.

The MK Echo™ portfolio is enabled by EnOcean technology. EnOcean based products make use of the energy generated by slight changes in pressure, light levels or temperature, to provide self-powered, batteryless and wireless solutions. This technology is used by many world leading manufacturers, products from these companies can be used together to provide solutions for energy efficient buildings which are more flexible and cost efficient to design, build and operate.

To find out more visit www.mkelectric.co.uk.

Wireless

Instant installation and location flexibility, reducing disruption and cost.

Batteryless

Low maintenance and low running costs makes Echo™ a very versatile and sustainable option.

Self-powered

Uses innovative technology to 'harvest' energy.

Automated systems

Gives the user control over their local environment ensuring maximum comfort and convenience.

Energy savings

With additional local control, alongside the use of temperature sensors and presence detectors, users can create an energy efficient environment.

Be it a functional building, office, home or hotel suite, Echo™ is the future of switch technology and automation systems.



WIRELESS



BATTERYLESS



SELF-POWERED

Application Example: Hotel Bedroom

In this example the installer is able to create an automated system to enable the control of lights, curtains and temperature to ensure comfort for the guest, whilst delivering energy efficiency and cost savings for the hotel without disturbing the fabric of the room. In addition, with wireless transmitters, the layout and positioning is completely flexible and can be changed quickly without disruption.

The guest is able to easily control their local environment from a number of locations within the room. A 2 channel transmitter by the entry doorway enables control of both the bedroom and living area lighting. An additional 4 channel transmitter next to the bed gives further control of not only the bedroom and living area lighting, but also the curtains and an all off function. There is additional control in the bathroom and on the balcony.

The hotel is able to control all lighting, heating and cooling by the card switch transmitter, ensuring guests do not leave lighting or air conditioning on when they leave the room. The hotel is also able to ensure a safe environment; the presence detector can be programmed to turn low level lighting on when a guest enters the room during the hours of darkness. In addition the presence detector can be programmed to turn lighting off, or dim to a low level when no presence is detected in the room but the card switch is still in place. Door contacts ensure the air conditioning is not in use whilst the balcony doors are open, offering further energy savings. The temperature sensor can also help control energy costs; in a cold environment a reduction in temperature by just two degrees during the hours of sleep can have a big impact on the overall energy bill.

The KNX gateway enables each Echo-controlled hotel room to be linked to a central computer, where a facilities manager can remotely monitor and control each hotel room, and the overall system.

To find out more visit www.mkelectric.co.uk.



SWITCH RECEIVER



MOTOR CONTROLLER

PLUG-THROUGH DIMMER
RECEIVER

4 CHANNEL TRANSMITTER

- 1 - LIVING AREA LIGHTS
- 2 - BEDROOM LIGHTS
- 3 - PLUG-THROUGH LIGHT
- 4 - ALL OFF



1 CHANNEL TRANSMITTER



SWITCH RECEIVER

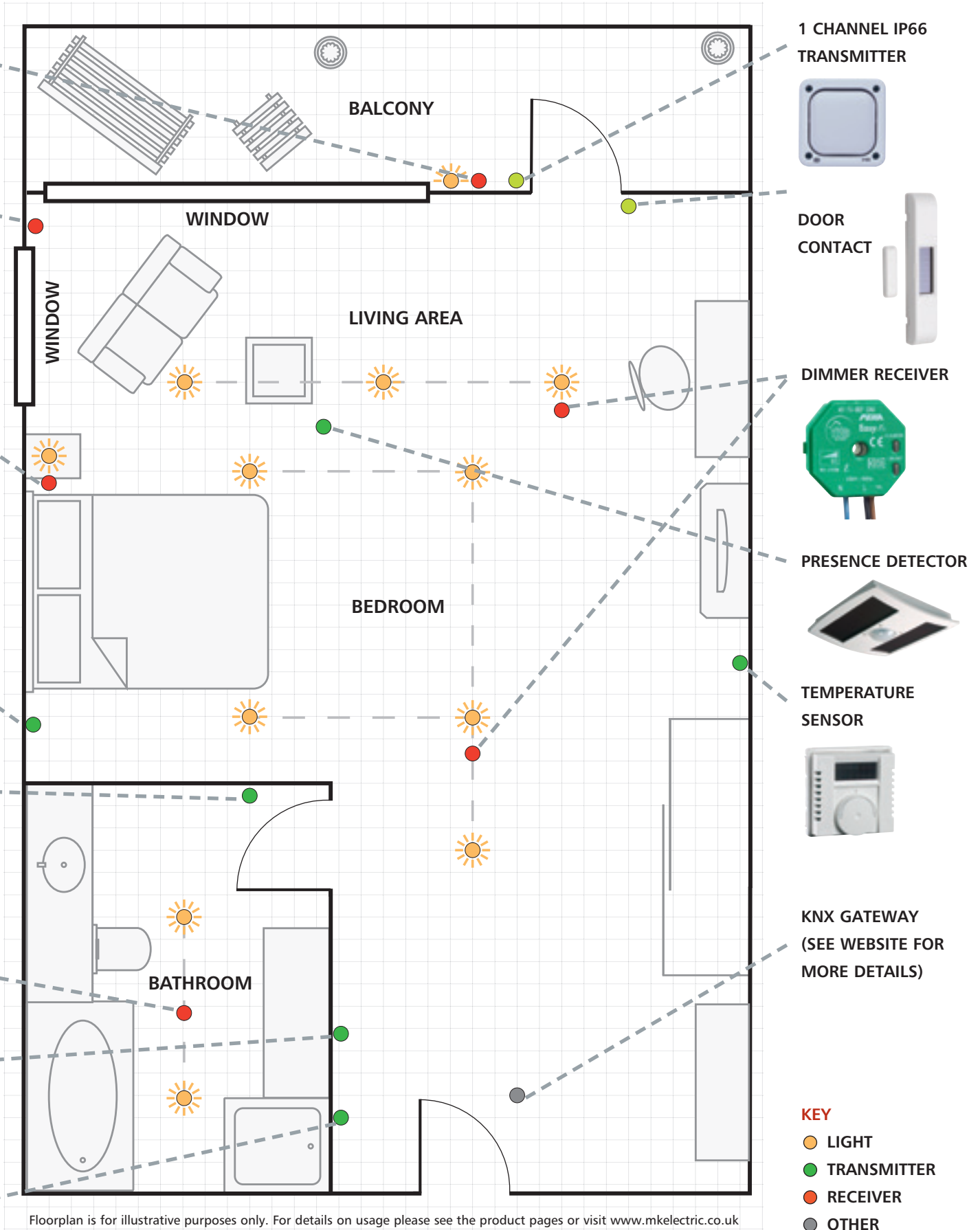


2 CHANNEL TRANSMITTER

- 1 - BEDROOM LIGHTS
- 2 - LIVING AREA



CARD TRANSMITTER



Modular Transmitters

1 CHANNEL MODULAR TRANSMITTER 2 CHANNEL MODULAR TRANSMITTER MODULAR CARD SWITCH TRANSMITTER MODULAR WALL TEMPERATURE SENSOR TRANSMITTER



FINISHES

WHITE	K5786WHI	1	K5789WHI	1	K5744CWHI	1	K5744WHI	1
BLACK	K5786BLK	1	K5789BLK	1	K5744CBLK	1	K5744BLK	1
ALUMINIUM	K5786ALU	1	K5789ALU	1	K5744CALU	1	K5744ALU	1

ONLY COMPATIBLE WITH THE K5422G KNX GATEWAY OR A DEDICATED SEPARATE RECEIVER. SEE WEBSITE FOR DETAILS.

For use with K5776, K5779 frames and K5412 locator

For use with K5776, K5779 frames and K5412 locator

For use with K5776, K5779 frames and K5412 locator

For use with K5776, K5779 frames and K5412 locator.

OPERATING FREQUENCY:
868.3Mhz
IP RATING:
IP2 x D
DIMENSIONS:
55 x 55mm
ETSI EN 301489-1/3
ETSI EN 300220-1/2

OPERATING FREQUENCY:
868.3Mhz
IP RATING:
IP2 x D
DIMENSIONS: 55 x 55mm
ETSI EN 301489-1/3
ETSI EN 300220-1/2

OPERATING FREQUENCY:
868.3Mhz
IP RATING:
IP2 x D
DIMENSIONS:
55 x 55mm
ETSI EN 301489-1/3
ETSI EN 300220-1/2

OPERATING FREQUENCY:
868.3Mhz
IP RATING:
IP2 x D
DIMENSIONS:
55 x 55mm
ETSI EN 301489-1/3
ETSI EN 300220-1/2

MOUNTING SWITCH TRANSMITTERS: All can be mounted directly to the wall surface – screws supplied. All can be mounted to back boxes – screws supplied. Logic Plus and Aspect type transmitters can also be mounted using supplied adhesive pads





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Modular Frames

1G FRAME GLOSSY FINISH 2G FRAME GLOSSY FINISH

1G FRAME GLASS FINISH 2G FRAME GLASS FINISH

					
FINISHES			FINISHES		
WHITE	K5776WHI 1	K5779WHI 1	GLASS, BLACK	K5776GLAB 1	K5779GLAB 1
BLACK	K5776BLK 1	K5779BLK 1	GLASS, GREEN	K5776GLAG 1	K5779GLAG 1
ALUMINIUM	K5776ALU 1	K5779ALU 1	GLASS, ALUMINIUM	K5776GLAA 1	K5779GLAA 1
			GLASS, GROOVED ALUMINIUM	K5776GLAGA 1	K5779GLAGA 1

For use with K5412 locator and K5786, K5789, K5744, K5744C transmitters.

Surface mount installation only.

DIMENSIONS:
83 x 83mm

For use with K5412 locator and K5786, K5789, K5744, K5744C transmitters.

Surface mount installation only.

DIMENSIONS:
83 x 154mm

For use with K5412 locator and K5786, K5789, K5744, K5744C transmitters.

Surface mount installation only.

DIMENSIONS:
85 x 85mm

For use with K5412 locator and K5786, K5789, K5744, K5744C transmitters.

Surface mount installation only.

DIMENSIONS:
85 x 157mm

TRANSMITTERS

Logic Plus

1 CHANNEL
TRANSMITTER2 CHANNEL
TRANSMITTER

FINISHES

WHITE

K4786WHI

1

K4789WHI

1

GRAPHITE

K4786GRA

1

K4789GRA

1

OPERATING FREQUENCY:
868.3Mhz
IP RATING:
IP2 x D
DIMENSIONS:
86 x 86mm
BS EN 60669-1 :
BS EN 60669-2-1 :
ETSI EN 301 489-1 + -3 :
ESTI EN 300 220-3

OPERATING FREQUENCY:
868.3Mhz
IP RATING:
IP2 x D
DIMENSIONS:
86 x 86mm
BS EN 60669-1 :
BS EN 60669-2-1 :
ETSI EN 301 489-1 + -3 :
ESTI EN 300 220-3

Albany Plus

1 CHANNEL
TRANSMITTER2 CHANNEL
TRANSMITTER

FINISHES

BRUSHED STAINLESS STEEL

K4766BSS*

1

K4767BSS*

1

LACQUERED BRUSHED STEEL

SILVER ANODIZED ALUMINIUM

BRUSHED CHROME

K4766BRC*

1

K4766BRC*

1

POLISHED CHROME

K4766PCR*

1

K4766PCR*

1

SATIN GOLD

K4766SAG*

1

K4767SAG*

1

PORCELAIN WHITE

LUSTROUS IVORY

LUSTROUS BLACK

POLISHED BRASS

TEXTURED IRON

DESERT BRONZE

ANTIQUE BRASS

TEXTURED COPPER

* Available with the option of either White or Black inserts. Add Suffix 'W' or 'B' to part number when ordering, E.g. KxxxxBSSW.

Where there is no asterix, the final suffix W = White Insert, B = Black Insert, E.g. KxxxxWHIW = Porcelain White finish with White inserts

LEAD TIMES: Please
contact our Customer
Services Department on:
01268 563 404

OPERATING FREQUENCY:
868.3Mhz
IP RATING:
IP2 x D
DIMENSIONS:
86 x 86mm
BS EN 60669-1 :
BS EN 60669-2-1 :
ETSI EN 301 489-1 + -3 :
ESTI EN 300 220-3

OPERATING FREQUENCY:
868.3Mhz
IP RATING:
IP2 x D
DIMENSIONS:
86 x 86mm
BS EN 60669-1 :
BS EN 60669-2-1 :
ETSI EN 301 489-1 + -3 :
ESTI EN 300 220-3

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Aspect

Edge

 1 CHANNEL
TRANSMITTER

 2 CHANNEL
TRANSMITTER

 1 CHANNEL
TRANSMITTER

 2 CHANNEL
TRANSMITTER


K23476BSS*	1	K23477BSS*	1	K13476BSS*	1	K13477BSS*	1
K23476LBS*	1	K23477LBS*	1	K13476LBS*	1	K13477LBS*	1
				K13476SAA*	1	K13477SAA*	1
K23476BRC*	1	K23477BRC*	1	K13476BRC*	1	K13477BRC*	1
K23476POC*	1	K23477POC*	1	K13476POC*	1	K13477POC*	1
K23476SAG*	1	K23477SAG*	1	K13476SAG*	1	K13477SAG*	1
K23476WHIW	1	K23477WHIW	1	K13476WHIW	1	K13477WHIW	1
K23476LIVW	1	K23477LIVW	1	K13476LIVW	1	K13477LIVW	1
K23476LBKB	1	K23477LBKB	1	K13476LBKB	1	K13477LBKB	1
K23476PBR*	1	K23477PBR*	1	K13476PBR*	1	K13477PBR*	1
K23476TIRB	1	K23477TIRB	1	K13476TIRB	1	K13477TIRB	1
K23476DBZB	1	K23477DBZB	1	K13476DBZB	1	K13477DBZB	1
K23476ABSB	1	K23477ABSB	1	K13476ABSB	1	K13477ABSB	1
K23476TCOB	1	K23477TCOB	1	K13476TCOB	1	K13477TCOB	1

* Available with the option of either White or Black inserts. Add Suffix 'W' or 'B' to part number when ordering, E.g. KxxxxBSSW.

Where there is no asterisk, the final suffix W = White Insert, B = Black Insert, E.g. KxxxxWHIW = Porcelain White finish with White inserts

OPERATING FREQUENCY:
868.3 Mhz

IP RATING:
IP2 x D

DIMENSIONS:
86 x 86mm

BS EN 60669-1 :
BS EN 60669-2-1 :
ETSI EN 301 489-1 + -3 :
ESTI EN 300 220-3

OPERATING FREQUENCY:
868.3 Mhz

IP RATING:
IP2 x D

DIMENSIONS:
86 x 86mm

BS EN 60669-1 :
BS EN 60669-2-1 :
ETSI EN 301 489-1 + -3 :
ESTI EN 300 220-3

OPERATING FREQUENCY:
868.3 Mhz

IP RATING:
IP2 x D

DIMENSIONS:
86 x 86mm

BS EN 60669-1 :
BS EN 60669-2-1 :
ETSI EN 301 489-1 + -3 :
ESTI EN 300 220-3

OPERATING FREQUENCY:
868.3 Mhz

IP RATING:
IP2 x D

DIMENSIONS:
86 x 86mm

BS EN 60669-1 :
BS EN 60669-2-1 :
ETSI EN 301 489-1 + -3 :
ESTI EN 300 220-3

MOUNTING SWITCH TRANSMITTERS: All can be mounted directly to the wall surface – screws supplied. All can be mounted to back boxes – screws supplied. Logic Plus and Aspect type transmitters can also be mounted using supplied adhesive pads

TRANSMITTERS

Metalclad Plus

Masterseal Plus

Other

Presence Detector

1 CHANNEL
TRANSMITTER

2 CHANNEL
TRANSMITTER

1 CHANNEL
TRANSMITTER

2 CHANNEL
TRANSMITTER

REMOTE
CONTROL
TRANSMITTER

WINDOW
CONTACT
TRANSMITTER

SENSOLUX
SOLAR-
PRESENCE
DETECTOR



FINISHES	Metalclad Plus		Masterseal Plus		Other	Presence Detector
ALUMINIUM	K3786ALM 1	K3787ALM 1			K5417R 1	K5421 1 K5754 1
GREY			K55400GRY 1	K55406GRY 1		ONLY COMPATIBLE WITH THE K5435R RECEIVER OR THE K5422G KNX GATEWAY. SEE WEBSITE FOR DETAILS.
WHITE	K3786WHI 1	K3787WHI 1	K55400WHI 1	K55406WHI 1		
BLACK			K55400BLK 1	K55406BLK 1		

Provides interlock functionality for use with multi-function receivers and blind controllers.
Solar powered.

Solar powered with optional backup battery.

OPERATING FREQUENCY: 868.3 Mhz
IP RATING: IP2 x D
DIMENSIONS: 86 x 86mm
BS EN 60669-1 ; BS EN 60669-2-1 ; ETSI EN 301 489-1 + -3 ; ESTI EN 300 220-3

OPERATING FREQUENCY: 868.3 Mhz
IP RATING: IP2 x D
DIMENSIONS: 86 x 86mm
BS EN 60669-1 ; BS EN 60669-2-1 ; ETSI EN 301 489-1 + -3 ; ESTI EN 300 220-3

OPERATING FREQUENCY: 868.3 Mhz
IP RATING: IP66
DIMENSIONS: 95 x 95 x 57mm
BS EN 60669-1 ; BS EN 60669-2-1 ; ETSI EN 301 489-1 + -3 ; ESTI EN 300 220-3

OPERATING FREQUENCY: 868.3 Mhz
IP RATING: IP66
DIMENSIONS: 95 x 95 x 57mm
BS EN 60669-1 ; BS EN 60669-2-1 ; ETSI EN 301 489-1 + -3 ; ESTI EN 300 220-3

OPERATING FREQUENCY: 868.3 Mhz
IP RATING: IP2 x D
DIMENSIONS: 50 x 82 x 21mm
BSEN 60669-1 ; BS EN 60669-2-1 ; ETSI EN 301 489-1 + -3 ; ESTI EN 300 220-3

OPERATING FREQUENCY: 868.3Mhz
IP RATING: IP40
DIMENSIONS: 110 x 19 x 15mm and 23 x 14 x 6mm
EN 301489-1/3 EN 300220-1/2

OPERATING FREQUENCY: 868.3Mhz
IP RATING: IP50
DIMENSIONS: 108 x 108 x 26.8mm
EN 301489-1/3 EN 300220-1/2

MOUNTING SWITCH TRANSMITTERS: All can be mounted directly to the wall surface – screws supplied. All can be mounted to back boxes – screws supplied. Logic Plus and Aspect type transmitters can also be mounted using supplied adhesive pads

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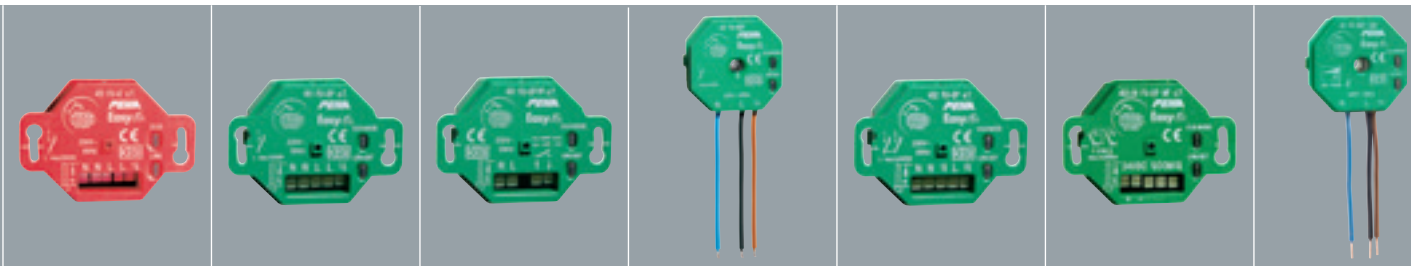
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RECEIVERS

1 Channel Switch Receivers

2 Channel Switch Receivers

1 Channel Dimmer Receiver



K5434R 1 CHANNEL SWITCH RECEIVER

1

K5432R 1 CHANNEL MULTI-FUNCTION SWITCH RECEIVER

1

K5431R 1 CHANNEL VOLT-FREE, MULTI-FUNCTION SWITCH RECEIVER

1

K5437R 1 CHANNEL MULTI-FUNCTIONAL SWITCH RECEIVER LEADED

1

K5433R 2 CHANNEL MULTI-FUNCTION SWITCH RECEIVER

1

K5430R 2 CHANNEL 24VDC MULTI-FUNCTION SWITCH RECEIVER

1

K5436R 1 CHANNEL MULTI-FUNCTIONAL DIMMER RECEIVER LEADED

1

Provides basic on/off functionality only.

SUPPLY:
230V / 50Hz

LOAD RATINGS:
GLS/Incandescent: 2500W
Halogen: 1200W
Inductive: 600VA
Electronic Ballasts: 3 units

Operating Frequency:
868.3MHz

DIMENSIONS:
Depth: 27mm

EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

Multi-functional device providing: single button, stairwell, time-delay, fan, scene operating modes and interlock functions for use with window contact.

SUPPLY:
230V / 50Hz

LOAD RATINGS:
GLS/Incandescent: 2500W
Halogen: 1200W
Inductive: 600VA
Electronic Ballasts: 3 units

Operating Frequency:
868.3MHz

DIMENSIONS:
Depth: 27mm

EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

Multi-functional device providing: single button, stairwell, time-delay, fan, scene operating modes and interlock functions for use with window contact.

SUPPLY:
230V / 50Hz

LOAD RATINGS:
GLS/Incandescent:
1200W @ 230Vac
50W @ 30Vdc
Halogen: 600W @ 230Vac

Operating Frequency:
868.3MHz

DIMENSIONS:
Depth: 27mm

EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

Multi-functional device providing: single button, stairwell, time-delay, fan, scene operating modes and interlock functions for use with window contact.

SUPPLY:
230V / 50Hz

LOAD RATINGS:
GLS/Incandescent: 2500W
Halogen: 1200W
Inductive: 600VA
Electronic Ballasts: 3 units

Operating Frequency:
868.3MHz

DIMENSIONS:
Depth: 27mm

EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

Multi-functional device providing: single button, stairwell, time-delay, fan, scene operating modes and interlock functions for use with window contact.

SUPPLY:
230V / 50Hz

LOAD RATINGS (per channel):
GLS/Incandescent: 500W
Halogen: 100W
Inductive: 100VA
Electronic Ballasts: 1 unit

Operating Frequency:
868.3MHz

DIMENSIONS:
Depth: 27mm

EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

Multi-functional device providing single button, pulsed and time-delay operating modes

SUPPLY:
24Vdc

LOAD RATINGS (per channel):
300mA @ 24Vdc
Operating Frequency:
868.3MHz

DIMENSIONS:
Depth: 27mm

EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

Multi-functional device providing: soft start, turn-on memory, switch, stairwell and scene operating modes.

SUPPLY:
230V / 50Hz

LOAD RATINGS:
60-210W

Suitable for use with GLS/ Incandescent/Halogen lamps and 12V low voltage lighting powered by dimmable electronic transformers only.

Operating Frequency:
868.3MHz

DIMENSIONS:
Depth: 27mm

EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

RECEIVERS

Plug-Through Receiver

Alternative Receivers

Presence Detector Receiver



K5427S
PLUG-THROUGH
SWITCH



K5428D
PLUG-THROUGH
DIMMER



K5438R
DC MOTOR
CONTROLLER



K5439R
AC MOTOR
CONTROLLER



K5418R
SMALL LOAD
SWITCH RECEIVER
400 WATT



K5420R
10AX SWITCH
RECEIVER/REPEATER



K5435R
SENSOLUX
1 CHANNEL ENERGY
CONTROLLER RECEIVER

Multi-functional device providing: single button, stairwell, time-delay, fan, scene operating modes and interlock functions for use with window contact.

SUPPLY:
230V / 50Hz
LOAD RATINGS:
GLS/Incandescent: 2500W
Halogen: 1250W
Inductive: 600VA
Electronic Ballasts: 3 units
Operating Frequency:
868.3MHz
DIMENSIONS:
130 x 68 x 48mm
EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

Multi-functional device providing: soft start, turn-on memory, switch, stairwell and scene operating mode.

SUPPLY:
230V / 50Hz
LOAD RATINGS:
60-420W
Suitable for use with GLS/ Incandescent/Halogen lamps and 12V low voltage lighting powered by dimmable electronic transformers only
Operating Frequency:
868.3MHz
DIMENSIONS:
130 x 68 x 48mm
EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

Multi-functional device providing: blind control, scene and interlock functions for use with window contact.

SUPPLY:
24Vdc
LOAD RATINGS:
1A
Operating Frequency:
868.3MHz
DIMENSIONS:
Depth: 27mm
EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

Multi-functional device providing: blind control, scene and interlock functions for use with window contact.

SUPPLY:
230V / 50Hz
LOAD RATINGS:
600VA
Operating Frequency:
868.3MHz
DIMENSIONS:
Depth: 27mm
EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

OPERATING
FREQUENCY:
868.3MHz
IP RATING: IP2 x D
DIMENSIONS:
47.4 x 34.6 x 28.9mm
BSEN 60669-1 ;
BS EN 60669-2-1 ;
ETSI EN 301 489-1 + -3 ;
ESTI EN 300 220-3

OPERATING
FREQUENCY:
868.3MHz
IP RATING: IP2 x D
DIMENSIONS:
175.5 x 50.3 x 32.25mm
BSEN 60669-1 ;
BS EN 60669-2-1 ;
ETSI EN 301 489-1 + -3 ;
ESTI EN 300 220-3

For use with K5754 Sensolux Presence detector only
SUPPLY:
230V / 50Hz
LOAD RATINGS:
GLS/Incandescent: 2300W
Halogen: 1250W
Fluorescent Lamps: 1000VA
Inductive: 600VA
Electronic Ballasts: 5 unit
Operating Frequency:
868.3MHz
DIMENSIONS:
45 x 38 x 23mm
EN 60669-2-1
EN 301489-1/3
EN 300220-1/2

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Accessories



K541R
FIELD STRENGTH
INDICATOR



1 **K5414R**
1 LEVEL REPEATER
REPEATS SIGNAL ONCE.
WILL NOT REPEAT A
PREVIOUSLY REPEATED
TELEGRAM.



1 **K5440R**
2 LEVEL REPEATER
WILL REPEAT A
PREVIOUSLY REPEATED
TELEGRAM.



1 **K5412L**
LUMINOUS LOCATOR
FRAME FOR USE
WITH MODULAR
TRANSMITTERS



1 **K4710P**
SURFACE MOUNTED
PATTERN FOR USE
WITH LOGIC PLUS
TRANSMITTER



1 **K5500GRY**
K5500WHI
K5500BLK
IP66 ENCLOSURE FOR
USE WITH RECEIVERS,
CHECK INDIVIDUAL
RECEIVER DIMENSIONS



1 **KPAD**
ADHESIVE PAD FOR
USE WITH LOGIC PLUS
SWITCH TRANSMITTER
AND ASPECT SWITCH
TRANSMITTER

Can be operated as
either a level 1 or level 2
repeater in the system to
extend RF range.

Operating Frequency:
868.3MHz

DIMENSIONS:
Depth: 27mm

EN 60669-2-1
EN 301489-1/3
EN 300220-1/2