

Vivan

Ram Ratna International | KABRA GLOBAL (RR Global Company)

Ram Ratna House, Oasis Complex, P. B. Marg, Worli, Mumbai - 400 013, India.
T : +91-022-2494 9009 / 2492 4144 • F : +91-22-2493 0203 / 2493 2339

RR ELECTRICAL Middle East FZC
Member - RR Global

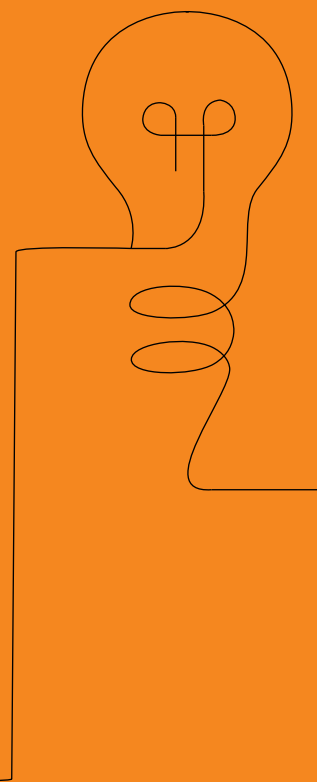
Regd. Office :
Q4 - 016, 017 & 018, Saif Zone, P. O. Box: 8325, Sharjah, United Arab Emirates.
T : +9716 - 5529 747 • F : +9716 - 5529 537 • E : rrelectrical@ramratna.net

www.rr-world.co.in

CC016RRSM-VVNZ4GRRME

"A device for making and breaking an electrical connection" is how the dictionary defines it. And to most of us, that is precisely what switches are - inanimate and insignificant objects.

RR Switches, a RR Global product, gives you a new perspective on the simple switch. It offers an unique yet elegant range of switches that adheres to the highest safety standards, before it adorns your wall. Yes, we don't just make switches, we craft them to perfection.





VIVAN NANO

Vivan Nano range is elegant screw less design and value of money. High quality polycarbonate material with rich glossy finish to blend with interiors. Made to meet international standards.



Model No.	Description
VN6601	10AX 1G 1way switch
VN6602	10AX 1G 2way switch
VN6603	10A 1G bell switch (marked bell symbol)
VN6604	10A 1G bell switch (marked press)
VN6605	10AX 2G 1way switch
VN6606	10AX 2G 2way switch
VN6607	10AX 3G 1way switch
VN6608	10AX 3G 2way switch
VN6610	10AX 4G 1way switch
VN6611	10AX 4G 2way switch



VN6601
VN6602



VN6603



VN6604



VN6605
VN6606



VN6607
VN6608



VN6610
VN6611

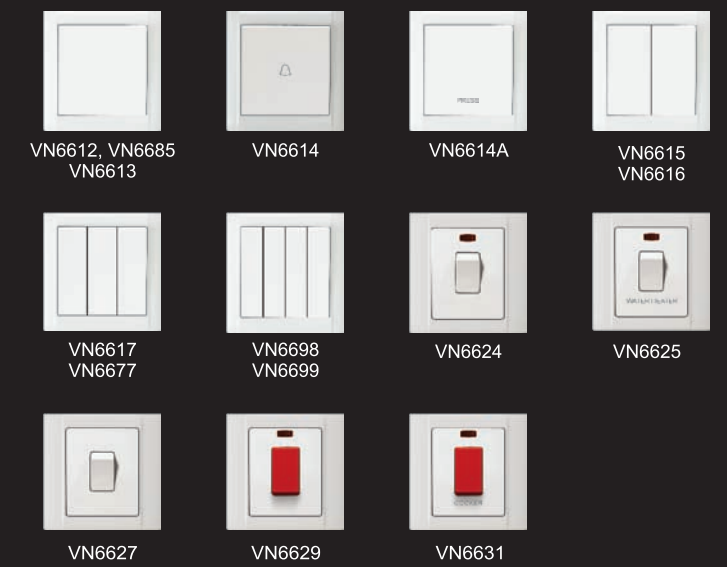


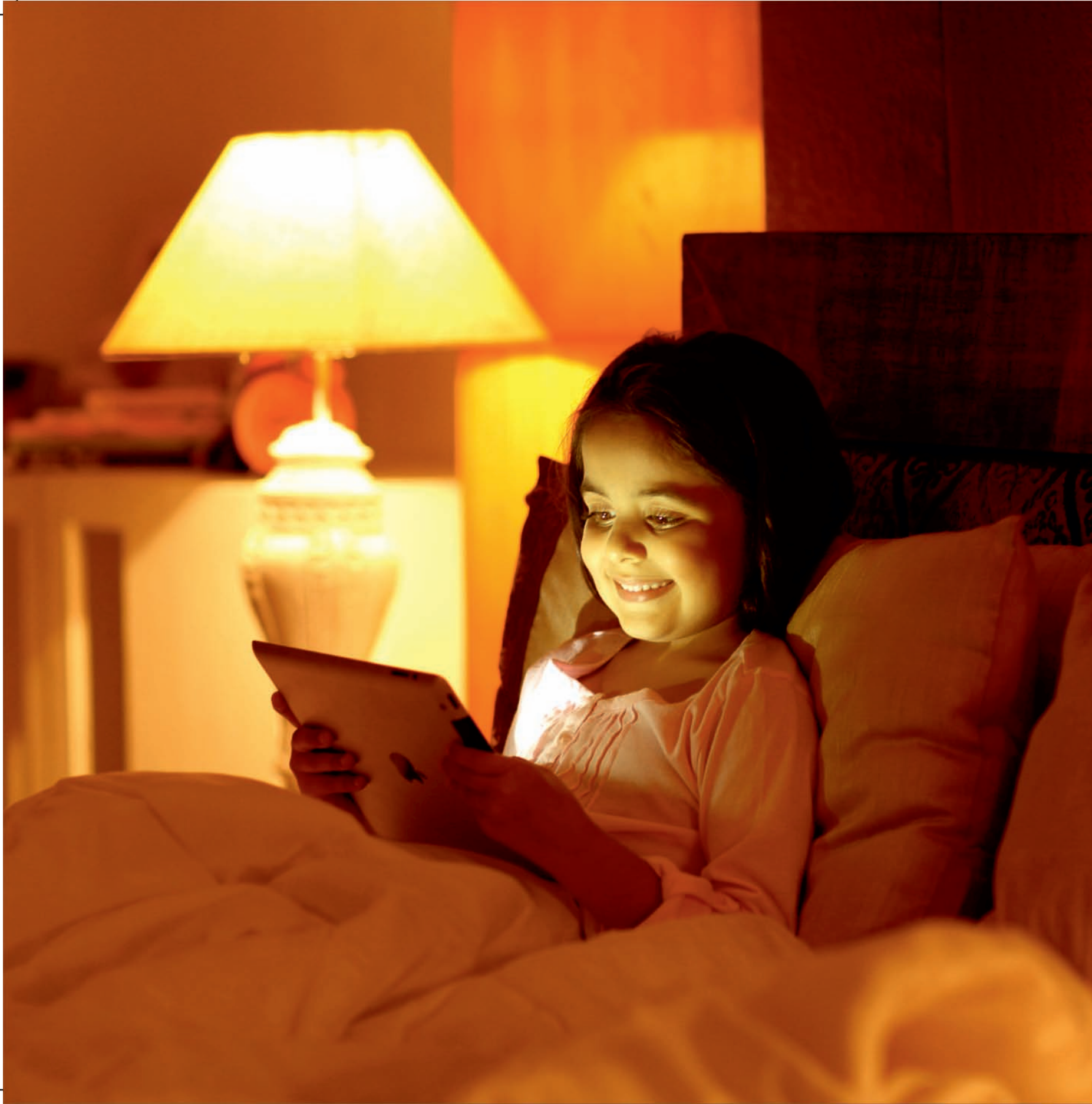
VIVAN WHITE

Vivan White range of switches and sockets has slim design and white rockers, premium quality considering users comfort and safety. Made to meet international standards.



Model No.	Description
VN6612	10AX 1G 1 way wide rocker switch
VN6613	10AX 1G 2 way wide rocker switch
VN6685	10AX 1G 2 way wide rocker intermediate switch
VN6614	10A 1G wide rocker bell switch (marked bell symbol)
VN6614A	10A 1G wide rocker bell switch (marked "PRESS")
VN6615	10AX 2G 1way wide rocker switch
VN6616	10AX 2G 2 way wide rocker switch
VN6617	10AX 3G 2 way wide rocker switch
VN6677	10AX 3G 1way wide rocker switch
VN6698	10AX 4G 1way wide rocker switch
VN6699	10AX 4G 2 way wide rocker switch
VN6624	20AX 1G DP switch with neon
VN6625	20AX 1G DP switch with neon marked "WATER HEATER"
VN6627	10AX 1G intermediate switch
VN6629	45A 1G DP switch with neon
VN6631	45A 1G DP switch with neon marked cooker





VIVAN CLASSIC

Vivan Classic has a unique design to meet your interiors comes in various color options and which enhance the decor, well suited for high end residential and commercial properties the range is interior decor and architects pride.



GREY



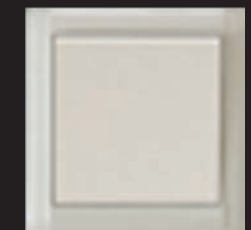
GOLD



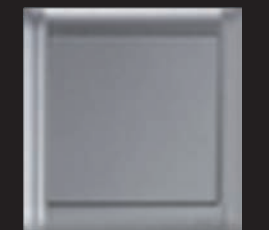
BLACK



PEARL



TITANIUM GREY





COMMUNICATION ACCESSORIES

A variety of communications accessories to meet with modern networking requirement. Various types of communications Jacks (Cat 5 and Cat 6), Telephone Sockets and TV Sockets to meet with changes needs of this segment.



Model No.	Description
VN6638	1G RJ11 4 Wire American type telephone Socket
VN6639	2G RJ11 4 Wire American type telephone Socket
VN6640	Single Non-Isolated TV socket
VN6641	Single Isolated TV socket
VN6642A	SAT+TV socket
VN6643	1G BT Telephone Socket (Master)
VN6744	1G BT Telephone Socket (Secondary)
VN6681	1 gang RJ45 socket cat5
VN6681A	1 gang RJ45 socket cat6
VN6682	2 gang RJ45+RJ12socket cat5
VN6682A	2 gang RJ45+RJ12 socket cat6
VN6683	2 gang RJ45 socket cat5
VN6683A	2 gang RJ45 socket cat6
VN6684	Cable TV "F" Type connector





DIMMERS AND ACCESSORIES

A good range of stand alone Dimmer options. Wide range of accessories like Blank Plates and Key Tags Switch suitable for residential, commercial and hospitality properties



Model No.	Description
VN6647	1G 1000W/450VA Dimmer 1 Way
VN6648	1G 1000W/450VA Dimmer 2 Way
VN6653	1G blank plate
VN6654	2G blank plate
VN6695	Key tag switch



VN6647



VN6648



VN6653



VN6654



VN6695



CONNECTION UNITS

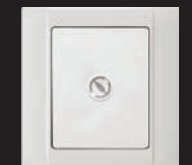
Range of Connection Units suitable for residential and commercial properties.



Model No.	Description
VN6651	25A Front flex outlet with 3 terminal block, each of which will accommodate up 2 nos. of 4mm ² conductors
VN6652	45A Front flex outlet with 3 terminal block, each of which will accommodate up 2 nos. of 4mm ² conductors



VN6651



VN6652



SOCKET OUTLETS

Wide range of Socket Outlets with option of neon available in BS Standards and universal socket outlets



Model No.	Description
VN6657	13A 1G unswitched socket outlet
VN6658	13A 1G switched socket outlet
VN6659	13A 1G DP switched socket outlet
VN6660	13A 1G switched socket outlet with neon
VN6661	13A DP switched socket outlet with neon
VN6662	13A 2G switched socket outlet
VN6663	13A 2G DP switched socket outlet
VN6664	13A 2G switched socket outlet with neon
VN6665	13A 2G DP switched socket outlet with neon
VN6666	13A 2G unswitched socket outlet
VN6672	15A switched socket outlet
VN6673	15A switched socket outlet with neon
VN6633	45A 1G DP switch & neon with 13A socket
VN6693	International switched socket
VN6694	International socket with indicator
VN6679	13A 1G switched socket outlet with usb
VN6680	13A 2G switched socket outlet with usb



VN6657



VN6658
VN6659



VN6660
VN6661



VN6662, VN6663



VN6664, VN6665



VN6666



VN6672



VN6673



VN6633



VN6693



VN6694



VN6679



VN6680

SWITCHES



10A & 10AX Standard Rocker Switches

2 way switches can be wired as one way. Positive switch action

10AX switches do not have to be de-rated when use with magnetic ballast fluorescent or inductive loads. (For usage of electronic ballast, refer to ballast manufacturer's recommendation)

3 mm minimum Contact Gap. Screw-hiding caps for refined aesthetics

Switch contacts are of high-conductivity anti-welding Silver-alloy ensuring good switching quality

Front plate moulded in high performance cross-linking thermoset polymer (High gloss finish, scratch & stain resistant, robust and tough)

Products are approved and certified by ASTA

Compliance to standards: IEC:60669-1; BS-EN:60669-1

Technical Specifications

Electrical	
Voltage Rating:	250V AC 50 / 60 Hz
Current Rating:	10A & 10AX (maximum) per switch
Terminal capacity (L & N):	4 x 1.5 mm ² 2 x 2.5 mm ² 1 x 4 mm ²
Physical	
Ambient operating temperature:	-5°C to + 45°C
IP rating:	IP2X
Dimensions:	1G – 86 mm x 86 mm
Fixing center:	60.3 mm
	2G – 146 mm x 86 mm; Fixing center - 120.6 mm

20A DP Switches

Available in with and without neon versions. Positive switch action

20AX DP switches do not have to be de-rated when use with magnetic ballast fluorescent or inductive loads (For usage of electronic ballast, refer to ballast manufacturer's recommendation)

3 mm minimum Contact Gap. Screw-hiding caps for refined aesthetics

Switch contacts are of high-conductivity anti-welding Silver-alloy ensuring good switching quality

Front plate moulded in high performance cross-linking thermoset polymer (High gloss finish, scratch & stain resistant, robust and tough)

Products are approved and certified by ASTA

Compliance to standards: IEC:60669-1; BS-EN:60669-1

Technical Specifications

Electrical	
Voltage Rating:	250V AC 50 / 60Hz
Current Rating:	20AX (maximum)
Terminal capacity:	4 x 1.5 mm ² , 3 x 2.5 mm ² 2 x 4 mm ² , 1 x 6 mm ² (stranded)
Physical	
Ambient operating temperature:	-5°C to + 45°C
IP rating:	IP2X
Dimensions:	86 mm x 86 mm
Fixing center:	60.3 mm

45A DP Switches

Built in neon indicator. Robust DP switching design

3 mm minimum Contact Gap. Screw-hiding caps for refined aesthetics

Switch contacts are of high-conductivity anti-welding Silver-alloy ensuring good switching quality

Front plate moulded in high performance cross-linking thermoset polymer (High gloss finish, scratch & stain resistant, robust and tough)

Positive switch action

Products are approved and certified by ASTA

Compliance to standards: IEC:60669-1; BS-EN:60669-1

Technical Specifications

Electrical	
Voltage Rating:	250V AC 50 /60 Hz
Current Rating:	45A Resistive (maximum)
Terminal capacity (L & N):	4 x 4 mm ² 3 x 6 mm ² (Stranded)
Physical	
Ambient operating temperature:	-5°C to + 45°C
IP rating:	IP2X
Dimensions:	86 mm x 86 mm
Fixing center:	60.3 mm

SWITCH MECHANISM



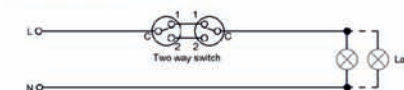
SWITCHES

Flush Switches

1. One way wiring diagram

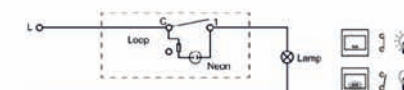


2. Two way wiring diagram

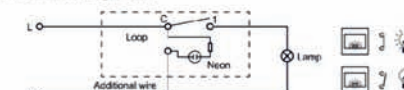


One Way Circuit with Neon Indicator

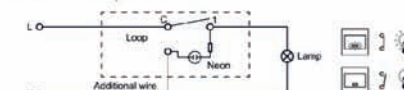
1. Neon as orientating indicator



2. Neon always ON

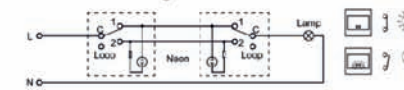


3. Neon as output indicator

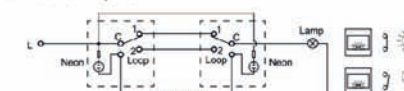


Two Way Circuit with Neon Indicator

1. Neon as orientating indicator

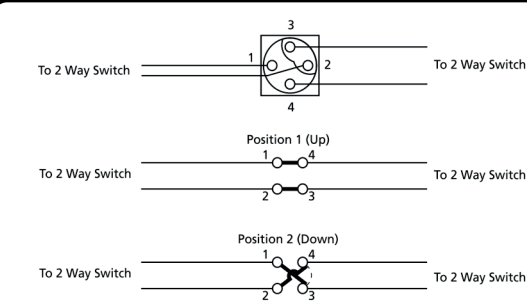


2. Neon always ON

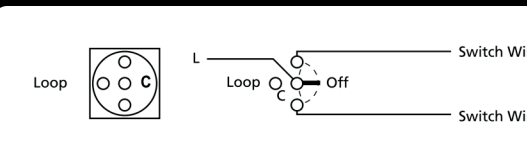


WIRING DIAGRAM

Intermediate Mechanism



Three Position Mechanism



Specifications

Normal Operating Voltage	265 A.C.
Normal Operating Current	10A
Maximum Operating Voltage	275 - 369V A.C.
Typical Capacitance	900pF
Max. Withstand Current (8/20hs)	6.5kA
Max. Clamping Voltage (8/20Hs, 100A)	710V
Energy Absorption	3 x 140J

CONNECTION UNITS



13A Fused Connection (Spur) Units W/Flex Outlets

Connection Units available in Switched & Un-switched versions, with or without neon

3 mm minimum Contact Gap. Screw-hiding caps for refined aesthetics

Switch contacts are of high-conductivity anti-welding Silver-alloy ensuring good switching quality with Positive switch action

Front plate moulded in high performance cross-linking thermoset polymer (High gloss finish, scratch & stain resistant, robust and tough)

All connection units are fitted with 13A fuse

Compliance to standards: BS:1363 Pt.4

Technical Specifications

Electrical
Voltage Rating: 250V AC 50 Hz
Current Rating: 15A (maximum)
Terminal capacity (L, N & E): 3 x 2.5 mm ² , 2 x 4.0 mm ² 1 x 6 mm ² (stranded)
Flex outlet cord grip capacity: Min. 2 core 0.5mm ² to Max. 3 core 1.5mm ²
Physical
Ambient operating temperature:-5°C to + 45°C
IP rating: IP2X Dimensions: 86 mm x 86 mm
Fixing center: 60.3 mm

COMMUNICATION ACCESSORIES

Telephone Socket (RJ-11 Type)

RJ-11 Cat 3-4 pin design, can be used for 1 or 2 phone lines

Screw-hiding caps for refined aesthetics

Front plate moulded in high performance cross-linking thermoset polymer (High gloss finish, scratch & stain resistant, robust and tough)

RJ-11 element comply with TAS TS L2-1

Technical Specifications

Cable Specification
0.08 to 0.65 mm ² solid or stranded cable
Physical
Ambient operating temperature: -5°C to + 45°C
IP rating: IP2X
Dimensions: 86 mm x 86 mm
Fixing center: 60.3 mm

TV Sockets

Available in 1 Gang & 2 Gang versions

Screw-hiding caps for refined aesthetics

Front plate moulded in high performance cross-linking thermoset polymer (High gloss finish, scratch & stain resistant, robust and tough)

Note: When installing the TV Co-axial cable ensure that all cable bends are smooth so that the inner insulation is not damaged otherwise the signal quality may be affected

Not suitable for loop-in installations

Technical Specifications

Electrical
Any standard low-loss
Air spaced TV co-axial cable
Outside 4 mm to 8 mm diameter
Inner Conductor 0.5 mm to 2 mm diameter
Physical
Ambient operating temperature:-5°C to + 45°C
IP rating: IP2X
Dimensions: 1G – 86 mm x 86 mm
Fixing center: 60.3 mm, 2G – 146 mm x 86 mm
Fixing center: 120.6 mm



RJ-45 Cat 5e And Cat 6 Data Sockets

Cat 5e and Cat 6 modules suitable for use in structured data cabling distribution systems

Screw-hiding caps for refined aesthetics

Front plate moulded in high performance cross-linking thermoset polymer (High Gloss finish, scratch & stain resistant, robust and tough)

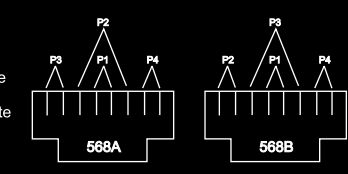
RJ-45 Cat 5e & Cat 6 elements comply with ISI / IEC11801, EN50173, TIA568, EN41003

Technical Specifications

INSTALLATION DETAILS AND WIRING DIAGRAM ILLUSTRATIONS

TIA WIRING SCHEME COLOUR CODES:

PIN NO.	568A	568B
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	ORANGE / white
7	WHITE / brown	WHITE / brown
8	BROWN / white	BROWN / white



Pair 1 - BLUE / white & WHITE / blue
 Pair 2 - ORANGE / white & WHITE / orange
 Pair 3 - GREEN / white & WHITE / green
 Pair 4 - BROWN / white & WHITE / brown

- Maximum cable length 90 m.
- Cable bend radius, 40 mm during installation, 20 mm after installation.
- Maximum pull force 8.7 kg.
- Do not over tighten cable ties.
- Do not unwind the twists in the wire pairs by more than 13 mm max.

Physical

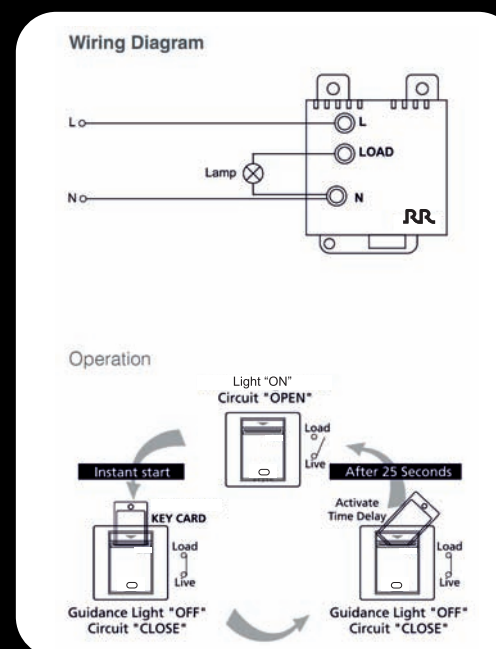
Ambient operating temperature: -5°C to + 45°C

IP rating: IP2X

Dimensions: 86 mm x 86 mm

Fixing center: 60.3 mm

ELECTRONIC KEY CARD SWITCH



DIMMERS



Light Dimmers

Available in 500VA & 100VA versions. Available in Rotary and Push ON/OFF types

Screw-hiding caps for refined aesthetics

Front plate moulded in high performance cross-linking thermoset polymer (High gloss finish, scratch & stain resistant, robust and tough)

Not suitable for electronic ballasts

Compliance to standards: IEC:60669-2-1*; BS-EN:6069-2-1*

*Not tested for EMC requirements.

Note: Dimmers are not allowed to connect in series with each other.

To avoid malfunction or premature failure of the dimmer & lighting system do not use the Dimmer for switching fluorescent or energy saving lamps

Technical Specifications

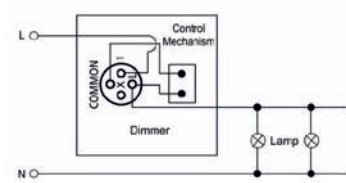
Electrical
Voltage Rating: 230V AC 50 Hz
Rated load: 250VA / 500VA (maximum, refer rating on product) Resistive 125VA / 300VA (maximum, refer rating on product) Inductive
Physical
Ambient operating temperature: -5°C to +40°C
IP rating: IP2X
Dimensions: 86 mm x 86 mm
Fixing center: 60.3 mm

DIMMER SWITCHES

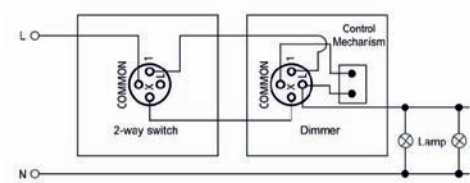
500W Dimmer Switch

Wiring Diagram

1. One way wiring diagram



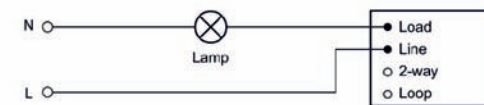
2. Two way wiring diagram



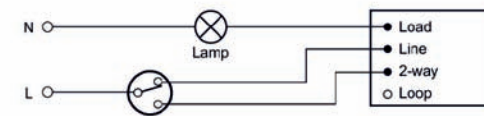
1000W Dimmer Switch

Wiring Diagram

1. One way wiring diagram



2. Two way wiring diagram



This dimmer is designed to control incandescent loads from 60W to 1000W maximum. The dimmer is switched ON & OFF is by pushing the knob, brightness is adjusted by rotation of the control knob – clockwise for bright and anti-clockwise for dim.