

ROMA
PLUS



*Elegance
Redefined*



*Consumer Superbrand 2014-15 awarded for Electrical Wiring Devices

ANCHOR
by **Panasonic**

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www.anchor.world.com

Mind is every individual's most valuable asset. Beyond the realms of existence, the thoughts still survive. These fuel the inspiration, these become an aspiration.

We created such a thought, that has surpassed the expectations of millions, over two decades. It is a thought that has witnessed the human mind evolve, extend its boundaries, stretch its limits. Then we added colours of joy taking the thought to a new destination.

Anchor by Panasonic's Roma is this thought, a shift from being just a product to being a new inspiration. It is now the time to evolve this thought further, making smiles wider, homes happier and lives merrier. It is the time to let it grow bigger and better, more safe, more distinct and more enjoyable. It is the time to foster excellence in action and functionality. It's the time to think...different.

Behold the brand new Avatar of India's largest selling Modular Switch- Roma Plus...

It's.. Elegance Redefined!

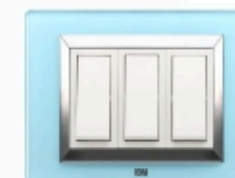
ROMA



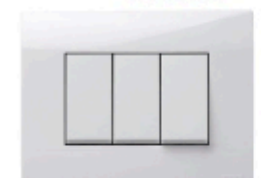
ROMA 168
COLOUR COMBINATIONS

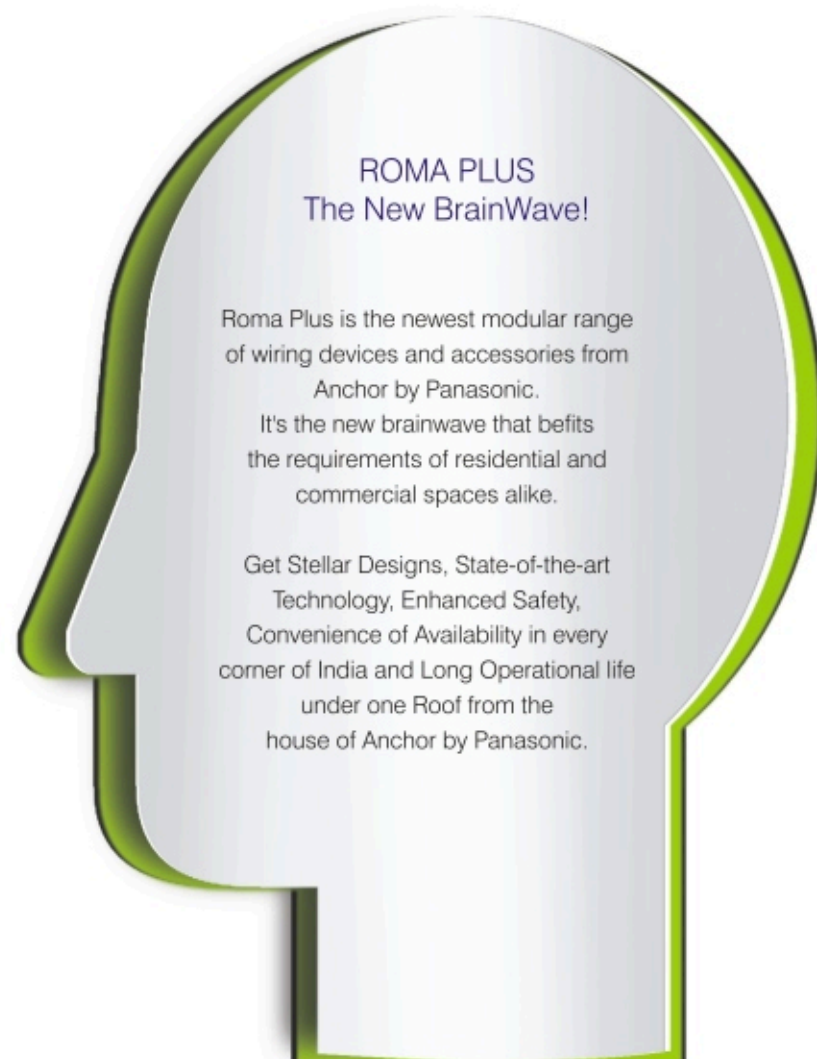


ROMA
VETRO



ROMA
PLUS





ROMA PLUS The New BrainWave!

Roma Plus is the newest modular range of wiring devices and accessories from Anchor by Panasonic.

It's the new brainwave that befits the requirements of residential and commercial spaces alike.

Get Stellar Designs, State-of-the-art Technology, Enhanced Safety, Convenience of Availability in every corner of India and Long Operational life under one Roof from the house of Anchor by Panasonic.



Discover the New-Age Elegance

The glam and glitter, grace and glory enthralls your senses with stellar designs, glossy finished wiring accessories and low-sound operation, pleasing to the ears as a smooth orchestrated symphony. Curved plate, collarless design and glossy finish transform your living space to a live concerto, vibrant and enticing as a timeless piece of art.



State-of-the-art Technology

The timeless masterpieces stand tall on the base of perfection. Manufactured in our ISO certified facilities in Daman and Haridwar, Roma Plus extends the boundaries of switch designing excellence. With manufacturing backed by the Japanese technology, it is tailored to perfection beyond imagination.



Enhanced Safety, Robust Functionality and Long Operational Life

While every masterpiece stands true to its base points of novelty, Roma plus expresses its originality in the simple thought of making it endearing to the mind of every individual. From a young toddler to a young adult, the range offers unparalleled comfort of operation and safety while powering up your dream space.



Roma Plus is manufactured in Anchor by Panasonic's state-of-the-art facilities in Daman and Haridwar. Our factory in Daman incorporates hi-tech progressive hybrid molding machines for manufacturing a wide range of wiring devices. This is also the first Green factory of Anchor by Panasonic and it incorporates several green features such as installation of LED lighting, and solar panels etc. This will play a vital role in manufacturing a wide range of wiring devices for Anchor by Panasonic in the near future.



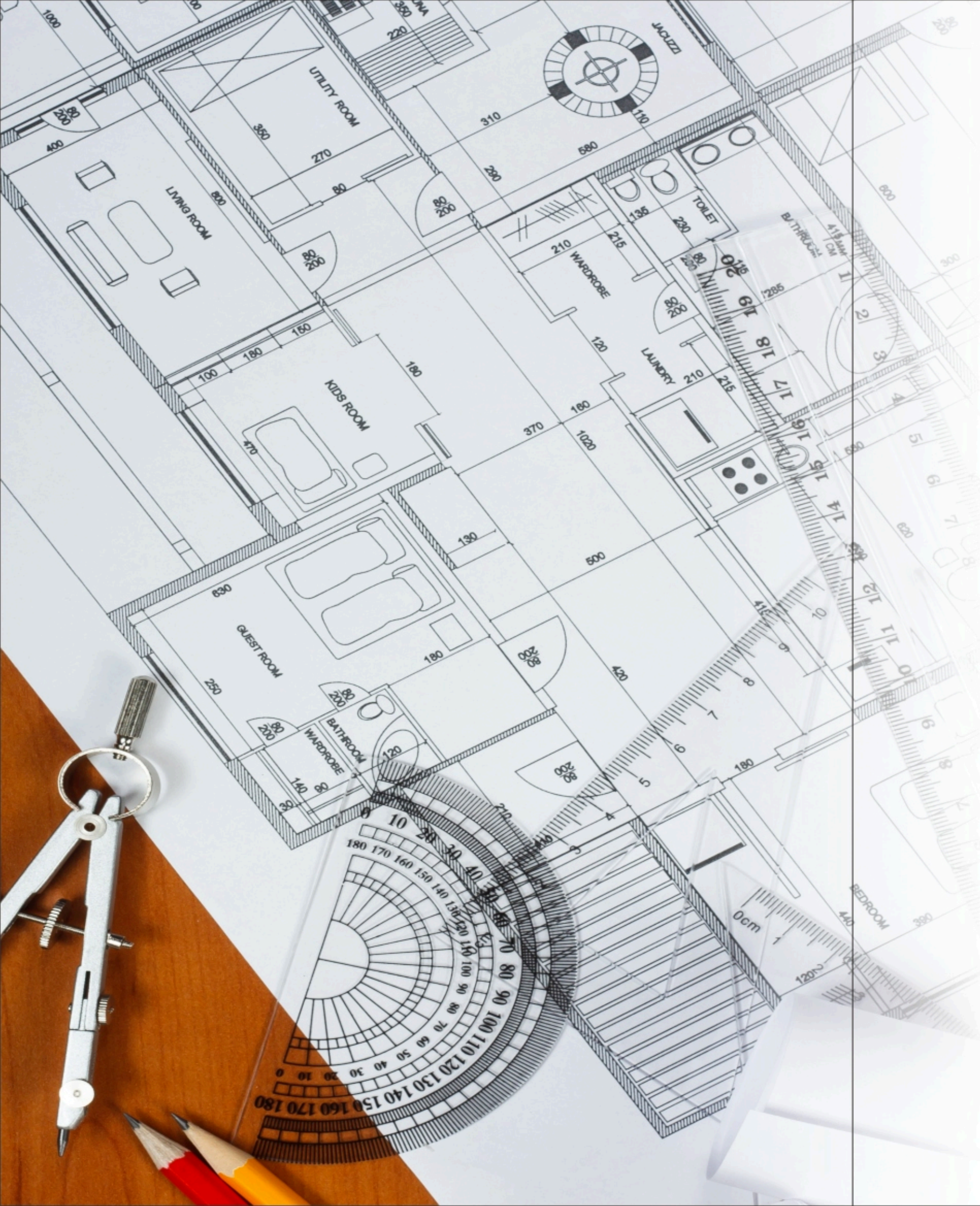
Deploying the finest technology from global players in the world such as Nextrom and Buss of Switzerland, Demag & NieHoff from Germany, metal making, molding and inspection machinery from Japan, Anchor has acquired the comprehensive expertise in manufacturing excellence.



The Haridwar plant manufactures switches and accessories within India across various categories and brands with its vast integrated production lines.

These facilities in Haridwar and Daman are ISO 9001:2008 certified. Panasonic's advanced manufacturing protocols have increased productivity, reduced energy consumption and enhanced quality of the products manufactured. These manufacturing units endeavor to design and manufacture products that offer optimum safety, impeccable quality and world-class designs across all verticals at various price-points.



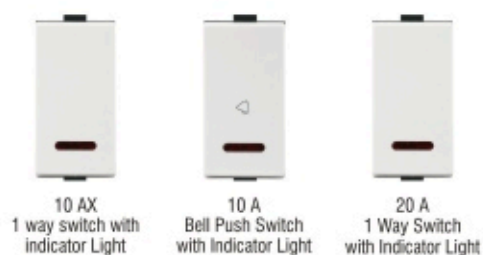


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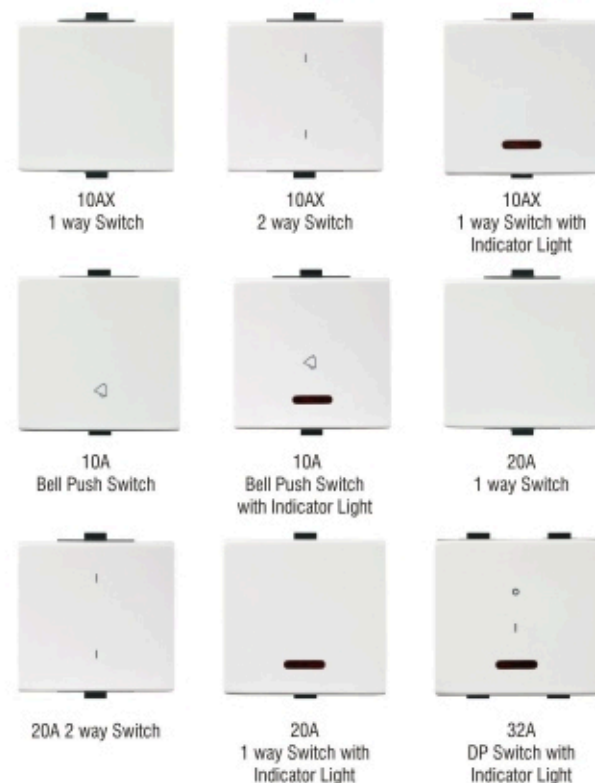
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Roma Plus Switches and Accessories form the perfect solution for aesthetic oriented wiring devices installation. The range is continuously tailored to suit the requirements of residential, commercial and hospitality establishments. Accessorizing your dream space just involves a little more than glitter. Just like the add-ons in the finest coffee enrich its flavors further, Roma Plus Wiring Devices and Accessories redefine the elegance of your dream home with their fine gloss finish and add to its glamor quotient.

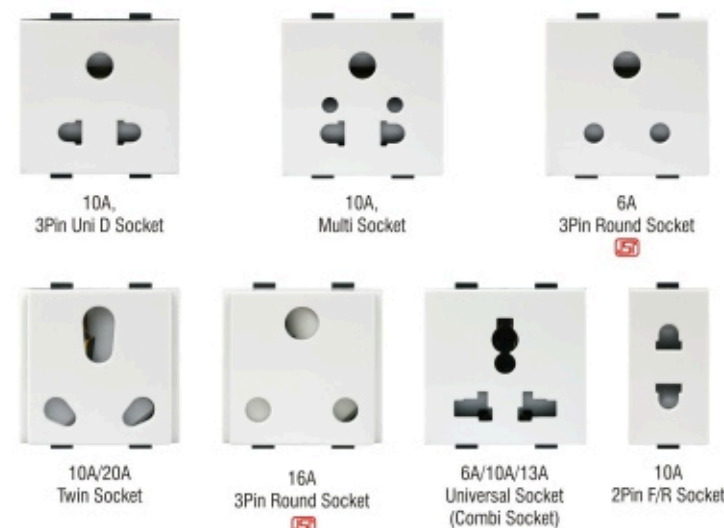
SWITCHES



DURA SWITCHES



SOCKET



FAN REGULATOR AND DIMMERS



SUPPORT MODULE



2 BHK Layout



	CODE	DESCRIPTION	QTY.		CODE	DESCRIPTION	QTY.		CODE	DESCRIPTION	QTY.	
1	289101	10AX, 1Way Switch, 1M	4	6	289101	10AX, 1Way Switch, 1M	7	11	289101	10AX, 1Way Switch, 1M	5	
	289682	Neon Indicator (Red), 1M	1		289682	Neon Indicator (Red), 1M	1		289510	100W, Fan Regulator (ISI), 1M	1	
	289510	100W, Fan Regulator (ISI), 1M	1		289330	6A, 3Pin Round Socket (ISI), 2M	1		288206	6 Module Plate	1	
	289363	6A/10A/13A, Combi Socket, 2M	1	7	289101	10AX, 1Way Switch, 1M	2	12	289323	10A, 3Pin Uni D Socket, 2M	1	
	288288	8 Module Plate (Horizontal)	1		288202	2 Module Plate	1		289101	10AX, 1Way Switch, 1M	1	
2	289666	Cord Outlet with Grip, 1M	1	8	289263	20A, 1Way Switch with LED Indicator, 2M	1		13	288203	3 Module Plate	1
	289101	10AX, 1Way Switch, 1M	2		289316	16A, 3Pin Round Socket (ISI), 2M	1	289325		10A, Multi Socket, 2M	1	
	289323	10A, 3Pin Uni D Socket, 2M	2		288204	4 Module Plate	1	289101		10AX, 1Way Switch, 1M	1	
	289677	TV Socket Outlet, 1M	1	9	289101	10AX, 1Way Switch, 1M	3	14	288203	3 Module Plate	1	
	288288	8 Module Plate (Horizontal)	1		289102	10AX, 2Way Switch, 1M	1		289205	10A, Bell Push Switch with	1	
3	289611	RJ-11 Telephone Socket with Shutter, 1M	1	10	289312	10A, 2Pin F/R Socket, 2M	1			LED Indicator, 2M		
	289687	*RJ45 Receptor, 1M	1		289682	Neon Indicator (Red), 1M	1	288202	2 Module Plate	1		
		(Suitable for AMPS, KRONE, Systimax Jack)*			289510	100W, Fan Regulator (ISI), 1M	1					
	288202	2 Module Plate	1		289611	RJ-11 Telephone Socket with Shutter, 1M	1					
					288288	8 Module Plate (Horizontal)	1					
4	289101	10AX, 1Way Switch, 1M	1	5	289101	10AX, 1Way Switch, 1M	2					
	289565	650W, Dimmer, 2M	1		289102	10AX, 2Way Switch, 1M	1					
	288203	3 Module Plate	1		289363	6A/10A/13A, Combi Socket, 2M	1					
5	289101	10AX, 1Way Switch, 1M	2		289163	20A, 1Way Switch with LED Indicator, 1M	1					
	289323	10A, 3Pin Uni D Socket, 2M	1		289565	650W, Dimmer, 2M	1					
	288204	4 Module Plate	1	289565	650W, Dimmer, 2M	1						
				288288	8 Module Plate (Horizontal)	1						



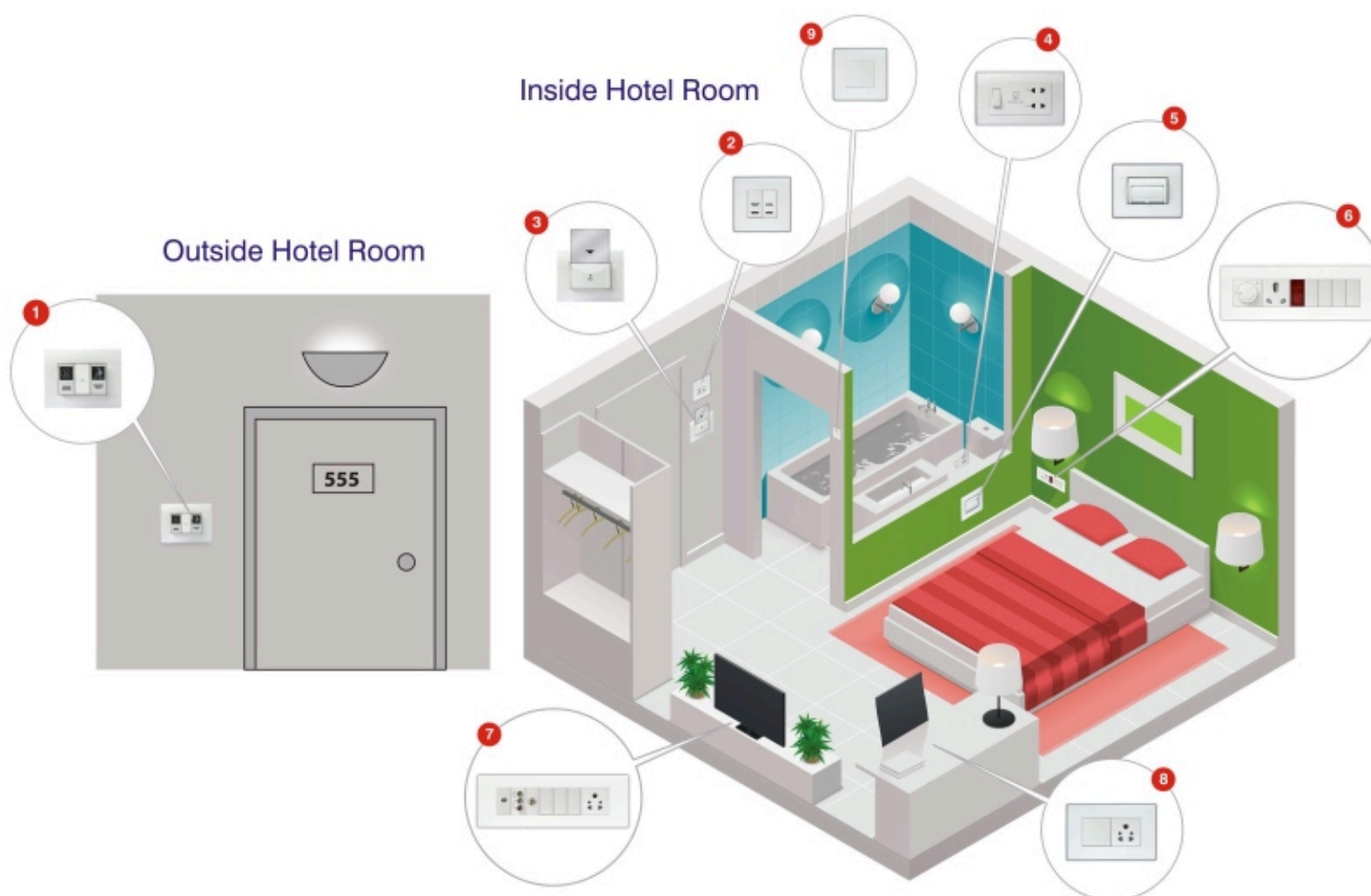
	CODE	DESCRIPTION	QTY
1	289101	10AX, 1Way Switch, 1M	4
	289682	Neon Indicator (Red), 1M	1
	289510	100W, Fan Regulator (ISI), 1M	1
	289363	6A/10A/13A, Combi Socket, 2M	1
	288288	8 Module Plate (Horizontal)	1
2	289101	10AX, 1Way Switch, 1M	4
	289565	650W, Dimmer, 2M	1
	289323	10A, 3Pin Uni D Socket, 2M	1
	288288	8 Module Plate (Horizontal)	1
	289611	RJ-11 Telephone Socket with Shutter, 1M	1
	289687	"RJ45 Receptor, 1M (Suitable for AMPS, KRONE, Systimax Jack)"	1
3	288202	2 Module Plate	1
	289101	10AX, 1Way Switch, 1M	1
	289565	650W, Dimmer, 2M	1
	288203	3 Module Plate	1
4	289101	10AX, 1Way Switch, 1M	1
	289323	10A, 3Pin Uni D Socket, 2M	1
	288204	4 Module Plate	1
5	289101	10AX, 1Way Switch, 1M	2
	289323	10A, 3Pin Uni D Socket, 2M	1
	288204	4 Module Plate	1
6	289101	10AX, 1Way Switch, 1M	7
	289682	Neon Indicator (Red), 1M	1
	289330	6A, 3Pin Round Socket (ISI), 2M	1
	289510	100W, Fan Regulator (ISI), 1M	1
	289545	450W, Dimmer, 1M	1
	288212	12 Module Plate	1
7	289101	10AX, 1Way Switch, 1M	2
	288202	2 Module Plate	1
8	828263	20A, 1Way Switch with LED Indicator, 2M	1
	289316	16A, 3Pin Round Socket (ISI), 2M	1
	288204	4 Module Plate	1

	CODE	DESCRIPTION	QTY
9	289101	10AX, 1Way Switch, 1M	3
	289102	10AX, 2Way Switch, 1M	1
	289312	10A, 2Pin F/R Socket, 2M	1
	289682	Neon Indicator (Red), 1M	1
	289510	100W, Fan Regulator (ISI), 1M	1
	289611	RJ-11 Telephone Socket with Shutter, 1M	1
	288288	8 Module Plate (Horizontal)	1
10	289101	10AX, 1Way Switch, 1M	2
	289102	10AX, 2Way Switch, 1M	1
	289363	6A/10A/13A, Combi Socket, 2M	1
	289163	20A, 1Way Switch with LED Indicator, 1M	1
	289565	650W, Dimmer, 2M	1
	288288	8 Module Plate (Horizontal)	1
11	289101	10AX, 1Way Switch, 1M	3
	289510	100W, Fan Regulator (ISI), 1M	1
	289366	10A/20A, Twin Socket, 2M	1
	289510	100W, Fan Regulator (ISI), 1M	1
	288288	8 Module Plate (Horizontal)	1
12	289323	10A, 3Pin Uni D Socket, 2M	1
	289101	10AX, 1Way Switch, 1M	1
	288206	6 Module Plate	1
13	289323	10A, 3Pin Uni D Socket	1
		LED Indicator, 2M	1
	288202	2 Module Plate	1

Hotel Room Layout

Peerless Guest experience through Distinct Electrical Accessories!

Roma Plus Wiring Devices range has also incorporated state-of-the-art products catering to the electrical requirements of the commercial & hospitality sectors. The range comprises of hospitality specialty accessories. Clubbed with the residential range and support modules, it offers a holistic solution adding seamless comfort thereby elevating the hospitality experience of the guests.



	CODE	DESCRIPTION	QTY.		CODE	DESCRIPTION	QTY.		CODE	DESCRIPTION	QTY.
1	289431	Do Not Disturb Unit, 3M+2M (external)	1	5	289101	10AX, 1Way Switch, 1M	4	7	289677	TV Socket Outlet, 1M	1
2	289431	Do Not Disturb Unit, 3M+2M (internal)	1		289366	10A/20A, Twin Socket, 2M	1		288288	8 Module Plate (Horizontal)	1
3	289420	20A, Key Card Unit with 30 seconds delay	1		289682	Neon Indicator (Red), 1M	1	8	289101	10AX, 1Way Switch, 1M	2
		with 3M Cover and Inner Frame			289500	100W, Fan Regulator (ISI), 2M	1		289323	10A, 3Pin Uni D Socket, 2M	1
		(Supplied w/o Card)			289689	9 Module Plate (Horizontal)	1		288204	4 Module Plate	1
4	289327	Shaver Socket with Transformer,	1	6	289666	Cord Outlet with Grip, 1M	1				
		110V/230V with 4M Cover and Inner Frame			289107	Audio Video Socket, 1M	1				
	289326	Foot Light With Variable Shutter	1		289101	10AX, 1Way Switch, 1M	3				
		with 3M Cover & Inner Frame			289323	10A, 3Pin Uni D Socket, 2M	2				
		(White - Cool Day Light)									

Office Layout



CODE	DESCRIPTION	QTY.
1	289101 10AX, 1Way Switch, 1M	2
	289323 10A, 3Pin Uni D Socket, 2M	1
	288206 6 Module Plate	1
2	289611 RJ-11 Telephone Socket with Shutter, 1M	1
	289685 RJ-45 Computer Socket (Cat6), 1M	2
3	289101 10AX, 1Way Switch, 1M	4
	289366 10A/20A, Twin Socket, 2M	1
	289682 Neon Indicator (Red), 1M	1
	289500 100W, Fan Regulator (ISI), 2M	1
	289689 9 Module Plate (Horizontal)	1

Exclusives Range

SWITCHES 240V~ 50Hz



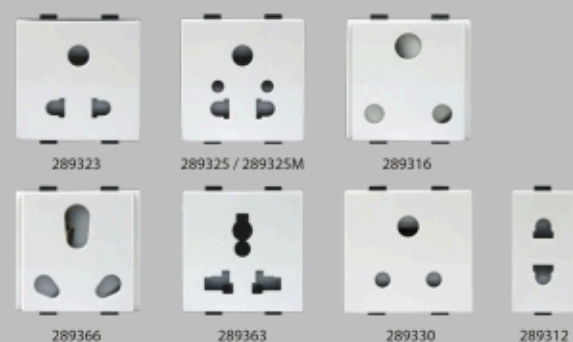
CODE	DESCRIPTION	Packaging (Qty) Inner/Outer/Master
289101	10AX, 1Way Switch, 1M	1/20/720
289101M	6AX, 1Way Switch, 1M	1/20/720
289102	10AX, 2Way Switch, 1M	1/20/180
289103	10AX, 1Way Switch with LED Indicator, 1M	1/20/0
289104	10A, Bell Push Switch, 1M	1/20/180
289105	10A, Bell Push Switch with LED Indicator, 1M	1/20/480
289161	20A, 1Way Switch, 1M	1/20/200
289162	20A, 2Way Switch, 1M	1/20/720
289163	20A, 1Way Switch with LED Indicator, 1M	1/20/120
289201	10AX, 1Way Switch, 2M	1/10/270
289202	10AX, 2Way Switch, 2M	1/10/270
289203	10AX, 1Way Switch with LED Indicator, 2M	1/10/480
289204	10A, Bell Push Switch, 2M	1/10/0
289205	10A, Bell Push Switch with LED Indicator, 2M	1/10/90
289261	20A, 1Way Switch, 2M	1/10/0
289262	20A, 2Way Switch, 2M	1/10/270
289263	20A, 1Way Switch with LED Indicator, 2M	1/10/90
289232	32A, D.P Switch with LED Indicator, 2M	1/10/0

FAN REGULATORS & DIMMERS 240V~ 50Hz



289510	100W Fan Regulator 1M	1/20/120
289500	100W Fan Regulator 2M	1/10/60
289545	450W Dimmer 1M	1/20/400
289565	650W Tiny Dimmer 2M	1/10/200

SOCKETS 240V~ 50Hz



289323	10A 3-pin Uni D Socket 2M	1/10/0
289325	10A Multi Socket 2M	1/10/200
289325M	6A Multi Socket 2M	1/10/200
289316	16A 3-pin Round Socket 2M	1/10/120
289366	10 / 20A Twin Socket 2M	1/10/120
289363	6A / 10A / 13A Combi Socket 2M	1/10/120
289330	6A 3 Pin Round Socket 2M	1/10/200
289312	10A 2-Pin F/R Socket 1M	1/20/180

MOTOR STARTER SWITCH



289240	20A Motor Starter Switch 2M	1/10/100
289241	25A Motor Starter Switch 2M	1/10/100

SUPPORT MODULE 240V~ 50Hz



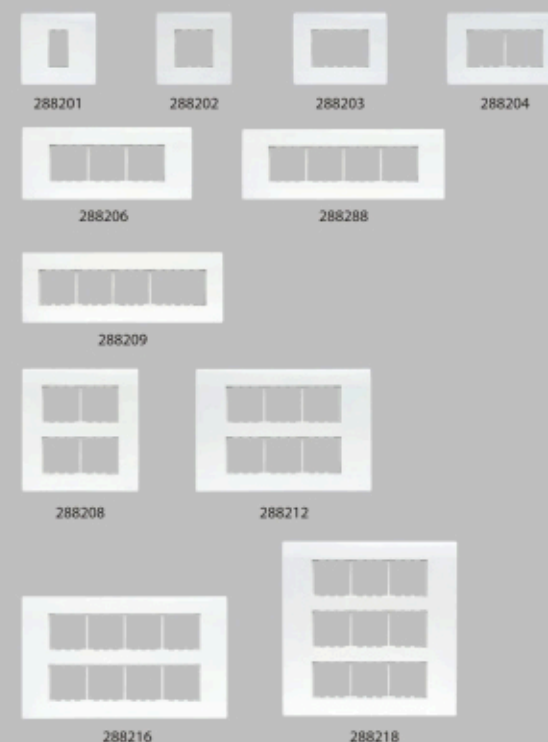
CODE	DESCRIPTION	Packaging (Qty) Inner/Outer/Master
289677	TV Socket Outlet, 1M	1/20/120
289622	Double RJ-11 Telephone Socket w/o Shutter, 1M	1/20/180
289611	RJ-11 Telephone Socket with Shutter, 1M	1/20/180
289685	RJ-45 Computer Socket (Cat6), 1M	1/10/0
289686	RJ-45 Computer Socket (Cat5e), 1M	1/10/0
289687	RJ-45 Receptor (Suitable for AMPS, KRONE, Systimax, Jacks)	1/10/0
289655	RJ-45 Computer Socket (Cat5), 2M	1/10/400
289666	Cord Outlet with Grip, 1M	1/20/120
289107	Audio Video Socket, 1M	1/10/120
289681	Fuse Unit 16 or 10A, 1M	1/20/120
289684	Blank Plate, 1M	1/20/400
289688	Night Lamp with LED (Red), 2M	1/10/0

HOSPITALITY RANGE 240V~ 50Hz

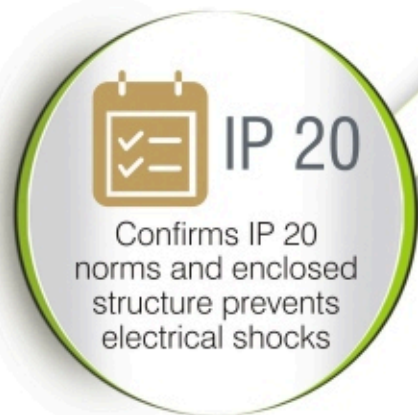
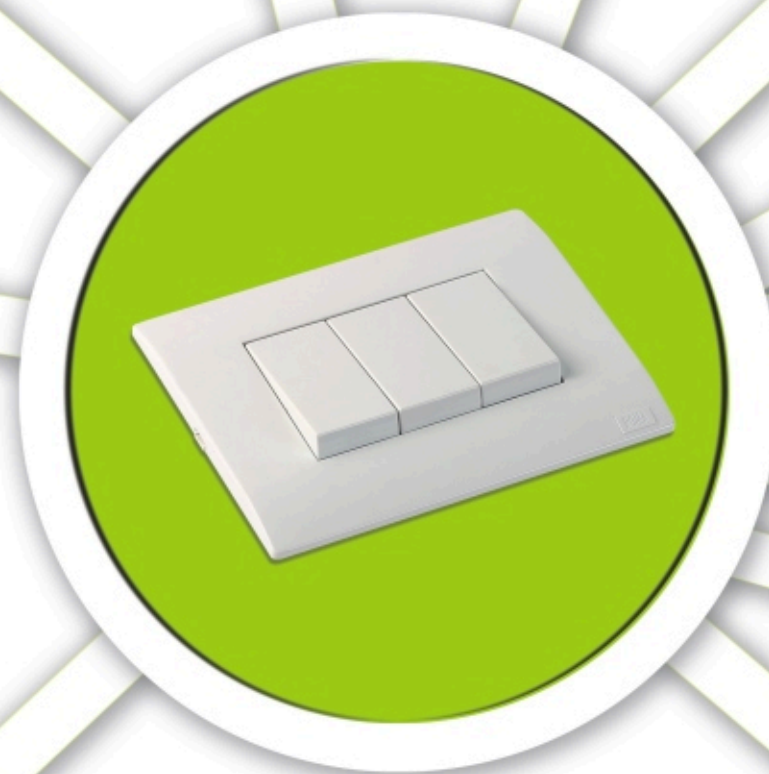


289431	Indicator marked DO NOT DISTURB Indicator marked MAKE MY ROOM Bell Push + Switch marked DO NOT DISTURB Switch marked MAKE MY ROOM	1/5/0
289483	Bell Call Indicator, 1M	1/20/0
289682	Neon Indicator (Red), 1M	1/20/120
289286	Buzzer, 2M	1/10/200
289327	Shaver Socket with Transformer, 110V/230V with 4M Cover and Inner Frame	1/1/0
289420	20A, Key Card Unit with 30seconds delay with 3M Cover and Inner Frame (Supplied w/o Card)	1/5/0
289326	Foot Light With Variable Shutter with 3M Cover & Inner Frame (White Cool Day Light)	1/8/0

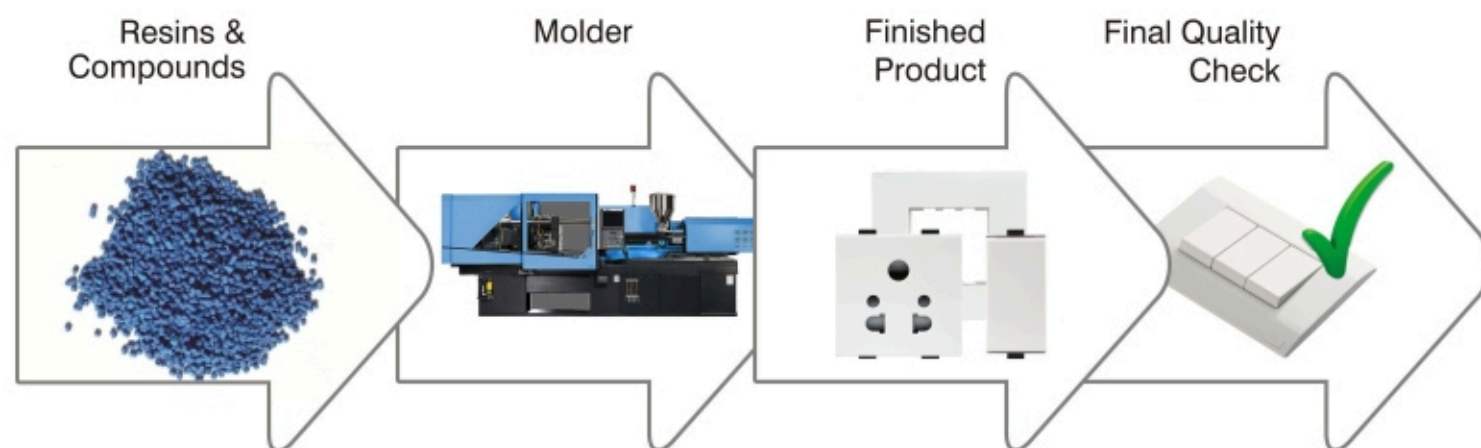
PLATES



		Width (mm)	Height (mm)	
288201	1 Module Plate	94	90	1/20/240
288202	2 Module Plate	94	90	1/20/240
288203	3 Module Plate	118	90	1/20/200
288204	4 Module Plate	146	90	1/20/200
288206	6 Module Plate	220	90	1/10/200
288208	8 Module Plate (Square)	146	154	1/10/120
288288	8 Module Plate (Horizontal)	260	90	1/5/100
288209	9 Module Plate (Horizontal)	260	90	1/5/100
288212	12 Module Plate	220	154	1/5/120
288216	16 Module Plate	260	154	1/5/50
288218	18 Module Plate	220	220	1/5/90



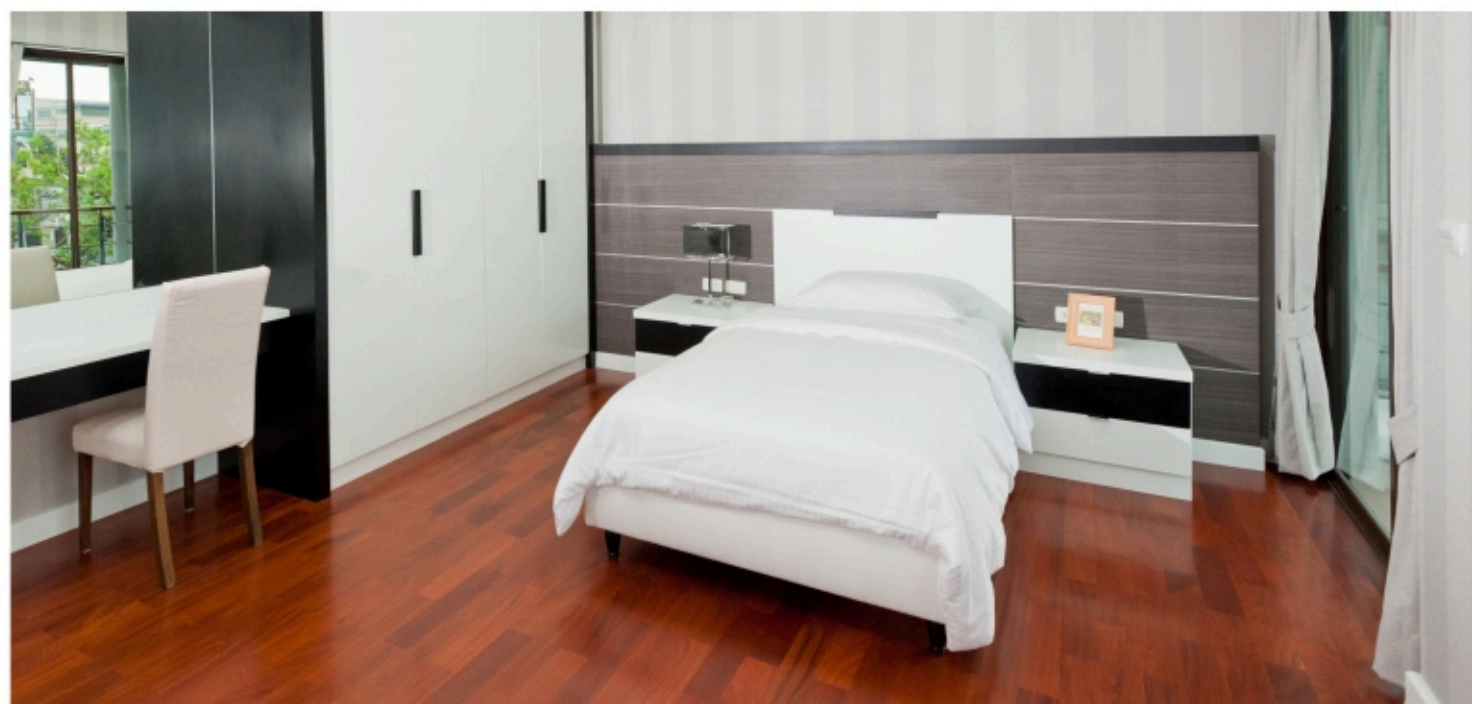
ADDED VALUE FROM PELLET TO PRODUCT



Raw Material
(Best FR Grade Polycarbonate)
is procured and
tested as per our
stringent SQM standards.

The Polycarbonate
granules are inserted
in the moulding
machine to commence
manufacturing

The moulded product
is dispatched for further
Assembling and
undergoes
final Quality Check



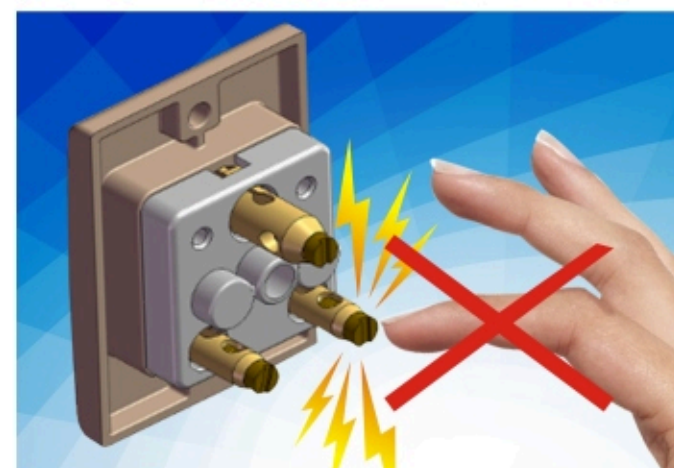
IP 20 Protection



IP 20 Protection ensures that Live Parts are not exposed to fingers



IP 20 Protection is provided in all switches and sockets for Roma Plus.

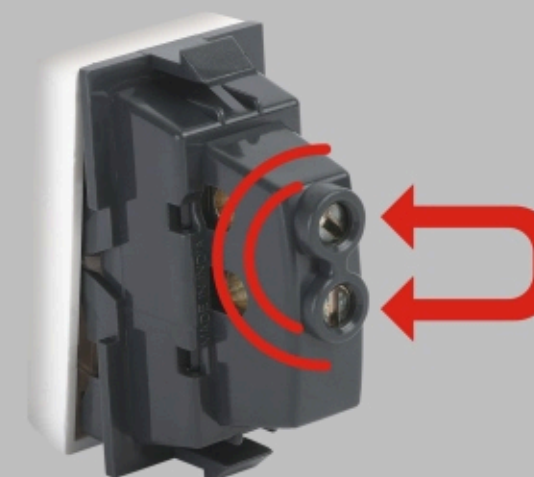


Traditional Terminals pose threat of shock.



Shrouded terminals offer optimum operational safety.

Captive Terminal Screws



CAPTIVE TYPE SCREWS

- ⚡ Facilitate faster and safer wiring
- ⚡ Screw driver does not slip during installation due to the support offered by shrouded terminal
- ⚡ Screws do not fall from the shrouded terminal

The IP code (or International Protection Rating, sometimes also interpreted as Ingress Protection Rating*) consists of the letters IP followed by two digits and an optional letter. As defined in international standard IEC 60529, it classifies the degrees of protection provided against the intrusion of solid objects like dust, accidental contact and water in electrical enclosures. The standard aims to provide users with precise information than vague marketing terms such as waterproof. The digits (characteristic numerals) indicate conformity with the conditions summarized in the tables below.

For example, an electrical socket rated IP22 is protected against insertion of fingers and will not be damaged or become unsafe during a specified test in which it is exposed to vertically or nearly vertically dripping water.

IP22 or 2X are typical minimum requirements for the design of electrical accessories for indoor use such as switches, sockets & other accessories.

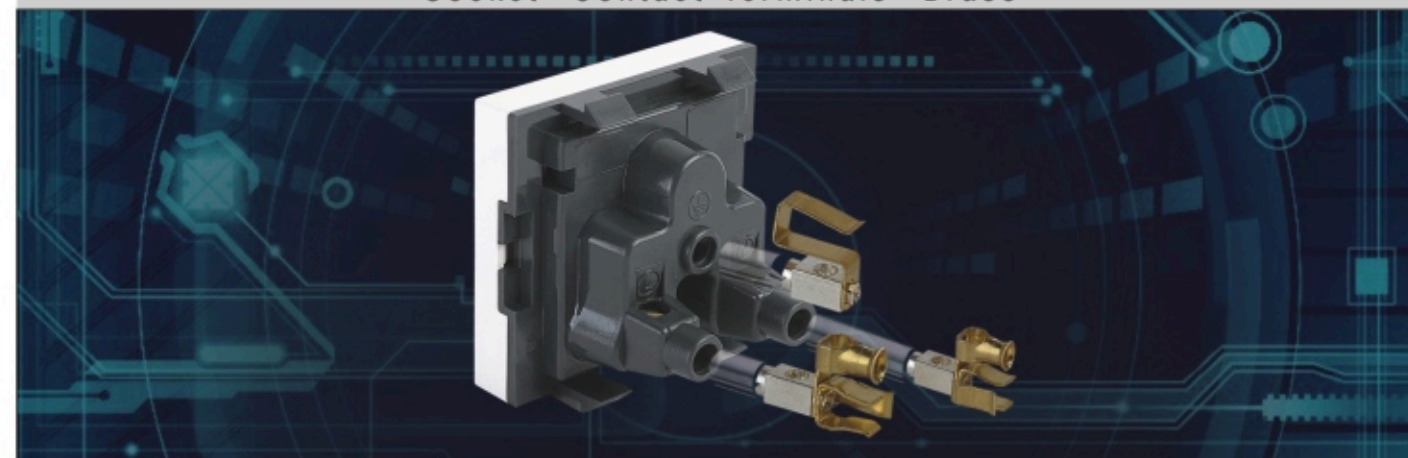
IP Rating : IP – 2 2 First Digit:
Protection Against penetration by
solid objects & access to hazardous parts.

Test	Protection
0	Not tested Inherent degree of protection.
1	Protected against solid objects larger than 50mm (eg. accidental contact with hand)
2	Protected against solid objects larger than 12mm (eg. accidental contact with hand)
3	Protected against solid objects larger than 2.5mm (eg. tools and wires)
4	Protected against solid objects larger than 1 mm (eg. fine tools and wires)
5	Protected against quantities of dust that could interfere with satisfactory operation.
6	Completely protected against dust.

IP Rating : IP – 2 2 Second Digit:
Protection Against ingress of water.

Test	Protection
0	Not tested. Inherent degree of protection.
1	Protected against vertically falling drops of water E.g. condensation
2	Protected against drops of water up to 15° from the vertical.
3	Protected against drops of water up to 60° from the vertical.
4	Protected against splashing water from all directions. <i>*limited ingress permitted</i>
5	Protected against jets of water from all directions. <i>*limited ingress permitted</i>
6	Protected against the strong jets of water E.g. For use on ship decks <i>*limited ingress permitted</i>
7	Protected against the effects of immersion
8	Protected against the effects of submersion.

Socket - Contact Terminals - Brass

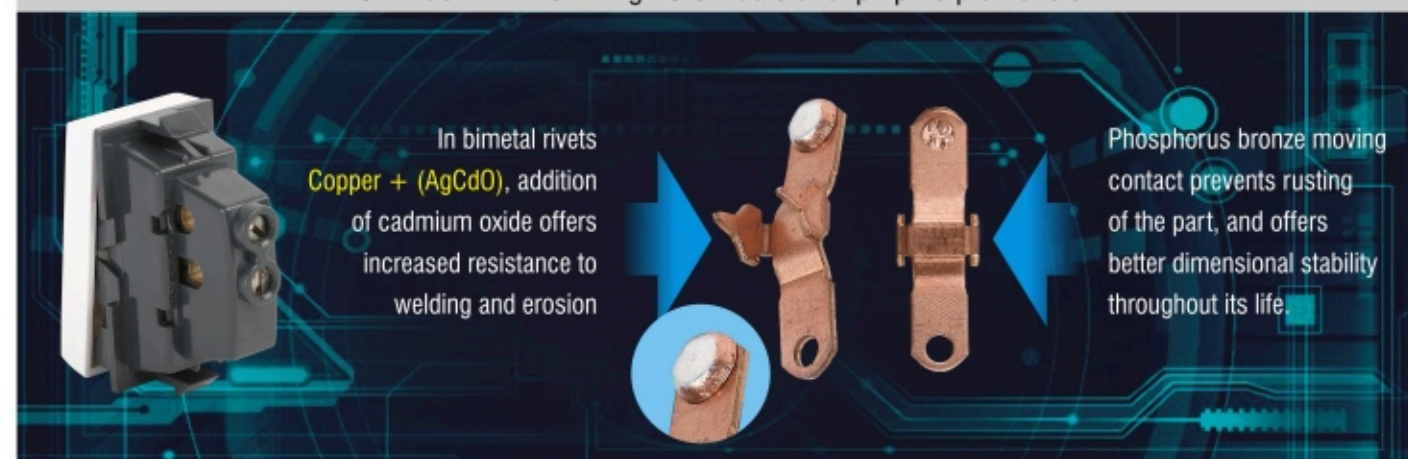


Brass is one of the most common & best suited material for contacts.

This contact offers excellent conductivity and dependable electrical performance

It also offers large no. of mechanical operations & ensures better dimensional stability throughout its life.

Switch - Moving Contact tip properties



In bimetal rivets
Copper + (AgCdO), addition
of cadmium oxide offers
increased resistance to
welding and erosion

Phosphorus bronze moving
contact prevents rusting
of the part, and offers
better dimensional stability
throughout its life.



Brass contacts
do not catch rust.

Bimetal rivets for long operational life

CdO (Cadmium oxide) particles are finely distributed in Ag (Silver) matrix. When a switch is being operated, the CdO decomposes and vaporizes, cooling down the contact surface, thus lowering the arching (starting stage of spark generation) and aids in its extinction.

These contact materials have high resistance to contact welding and arc erosion with low contact resistance and are mainly used for make - break cycles.

Applications :-

- Widely used in relays, contactors and AC/DC switches for medium or large current.
- Circuit breakers for medium or small current.

Roma Plus Wiring Devices offer the unique feature of front removal from the frame for all mechanisms. Superior aesthetics and sturdy frame aid in quick installation of all the accessories.

EASY INSTALLATION FROM THE FRONT



EASY REMOVAL FROM THE FRONT



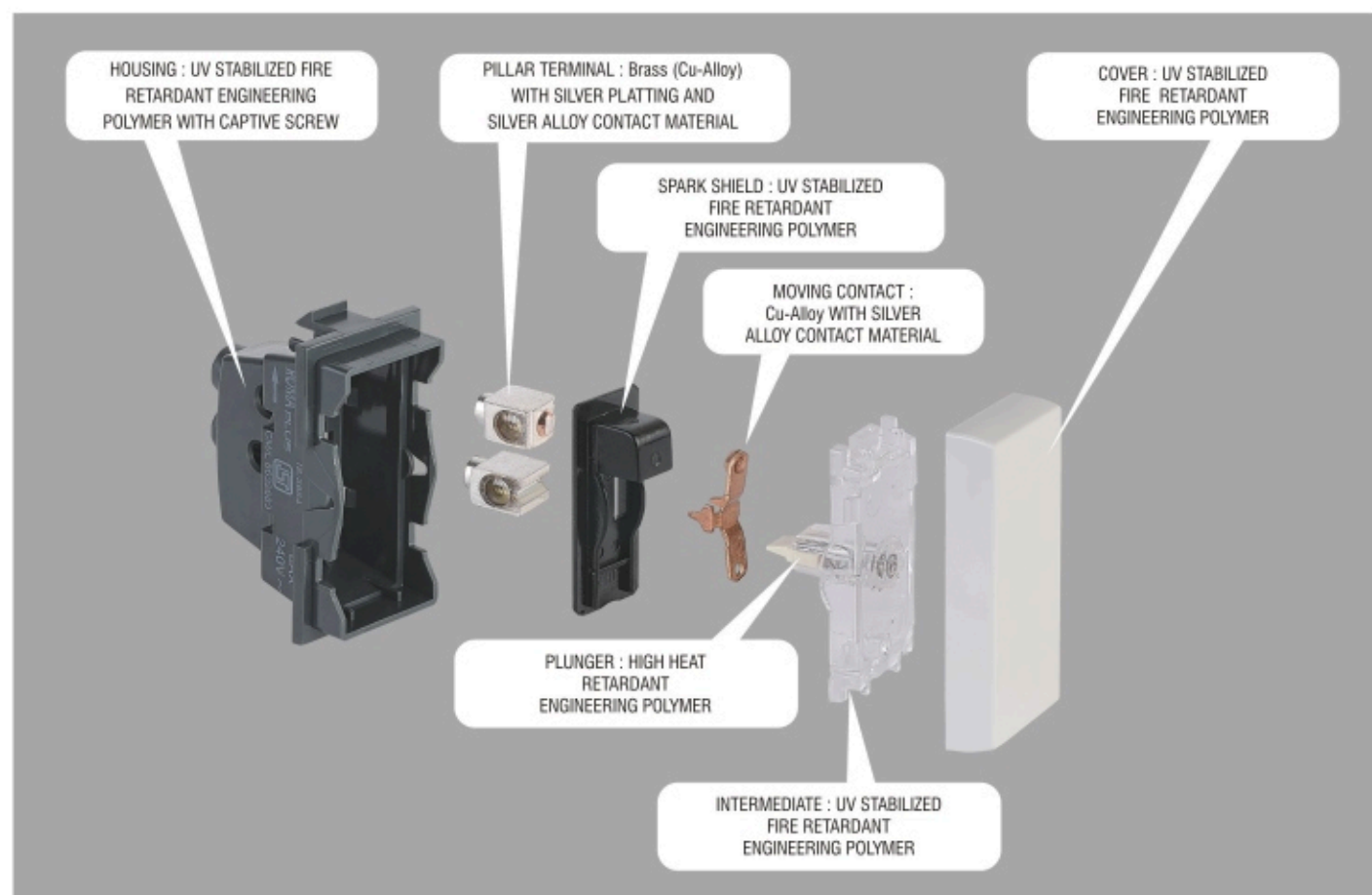
Traditional ISI Marked Switches Benchmark criteria is 40,000 ON and OFF operations.



ROMA Plus exceeds ISI benchmark by whopping 60,000 ON & OFF operations. These are tested OK up to 100,000 Operations.



SWITCH COMPONENTS



Supply Voltage = 250V AC +/- 10% , 50Hz, Terminal capacity = 0.75mm² to 1.5mm²



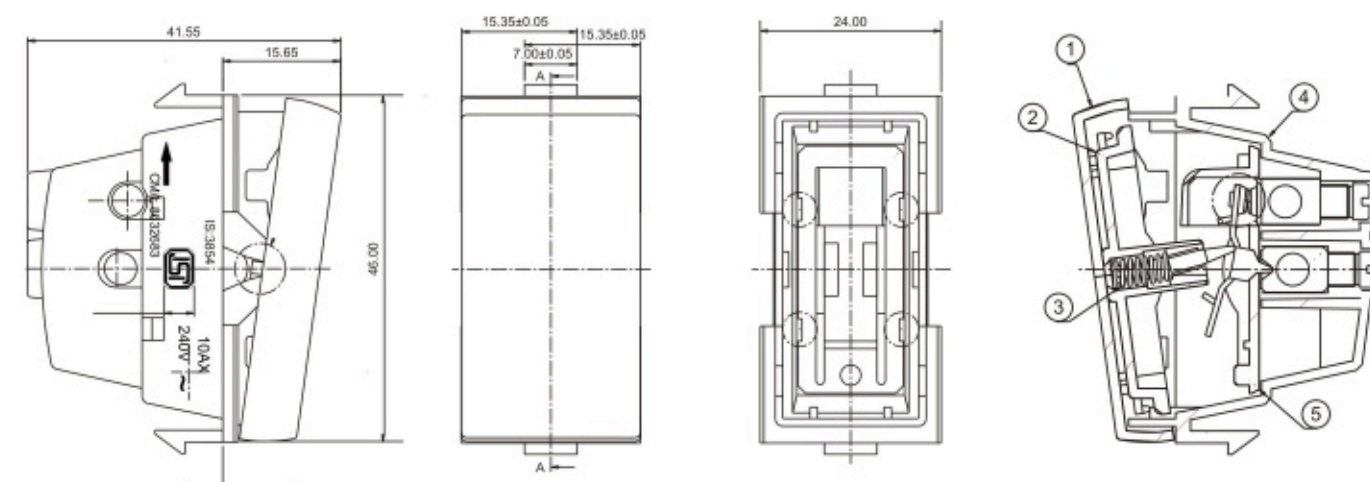
Supply Voltage = 250V AC +/- 10% , 50Hz, Terminal capacity = 1.5mm² to 4.0mm²



Supply Voltage = 250V AC +/- 10% , 50Hz, Terminal capacity = 0.75mm² to 1.5mm²

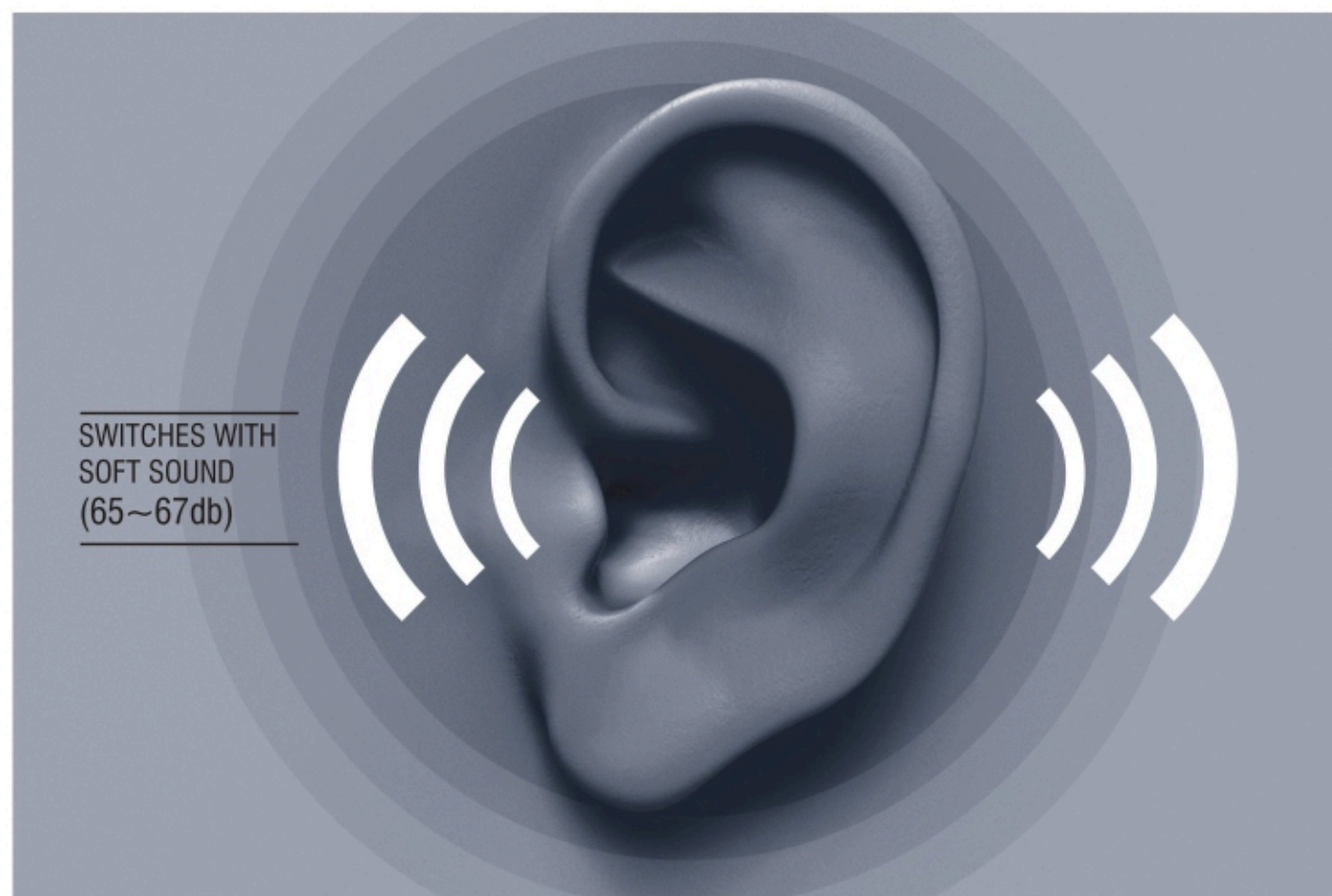


DIMENSION OF ONE MODULE SWITCH



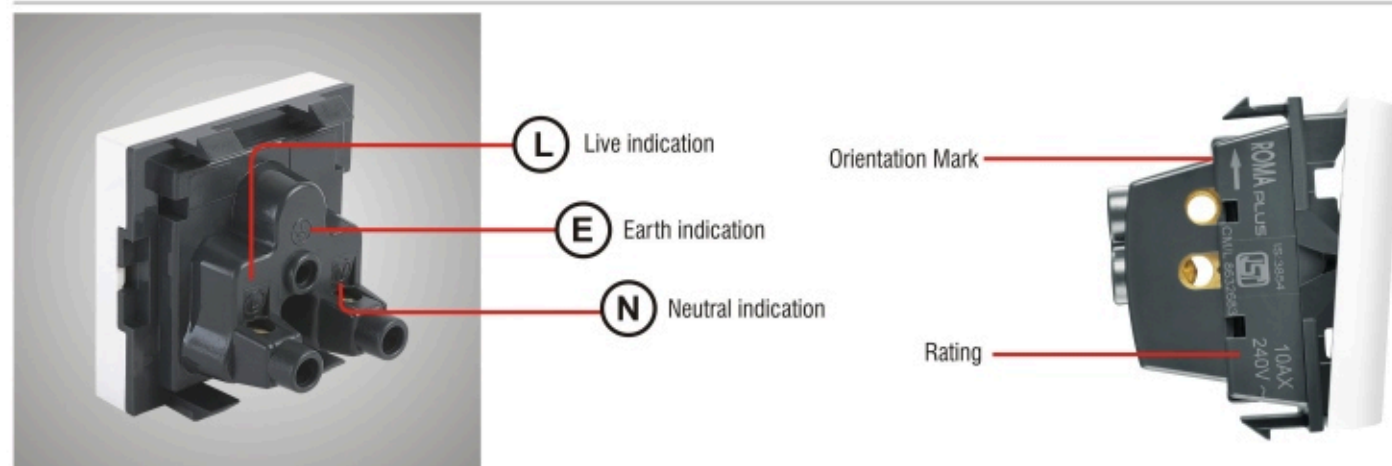
1. Insulation Resistance (between Live Parts - Accessible Outside Part) : More Than 100 M
2. Electrical Strength (between Live Parts - Accessible Outside Part) : 2400V / 1 Sec.
3. Electrical Strength (between Terminals) : 2400V / 1 Sec.
4. Confirm The Light Test (Light Glow)
5. Electrical Wire Pull Strength At Terminal : Test Is executed after inserting the wire

SWITCHES WITH REDUCED SOUND



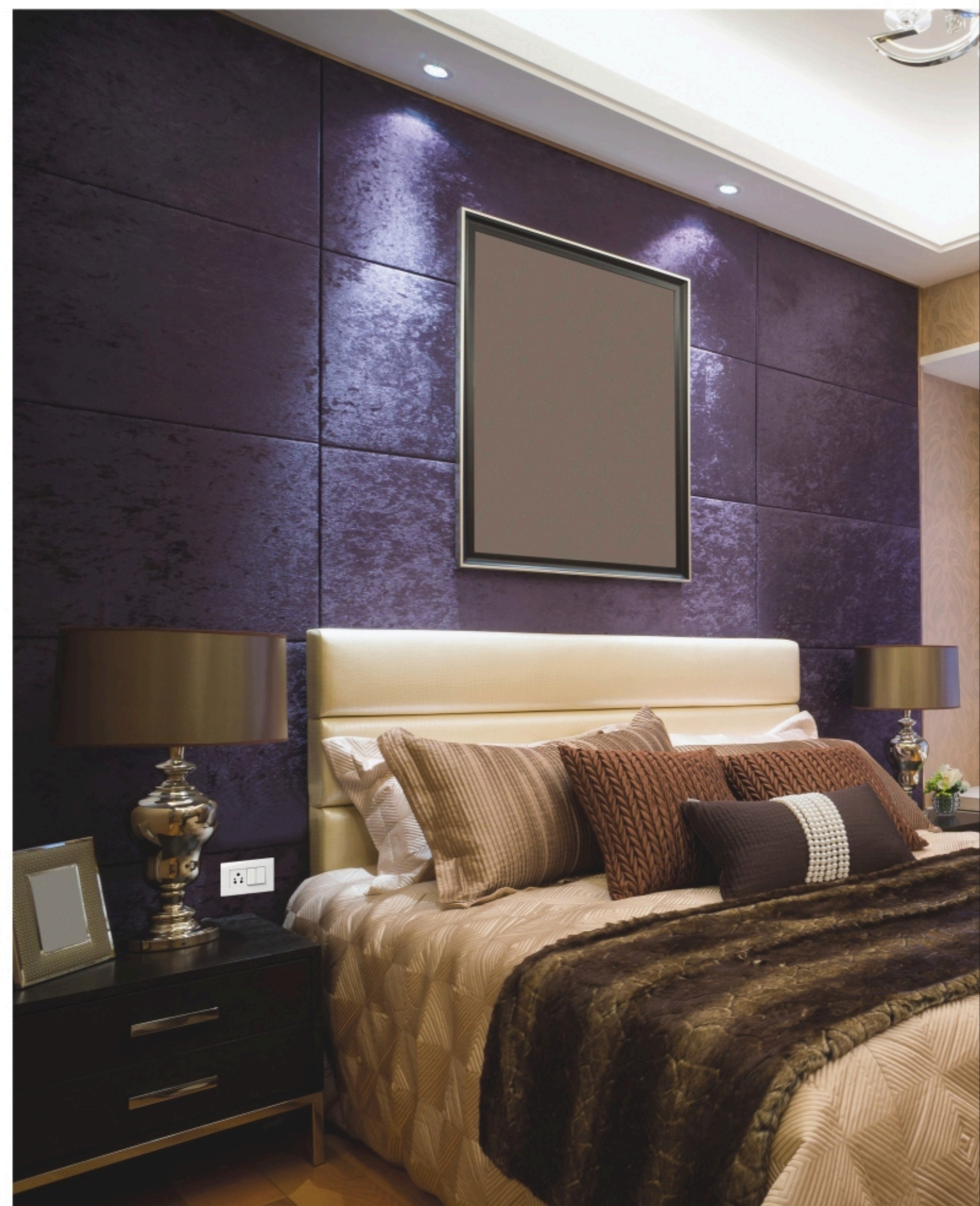
Switch on the Elegance

Roma Plus Wiring Devices and accessories are available in glossy white finish that enhances aesthetic appeal and offers better dust resistance. The Contemporary Collarless Design adds to the ambiance of the space, while the low operational sound (65-67 dB) adds to comfort.

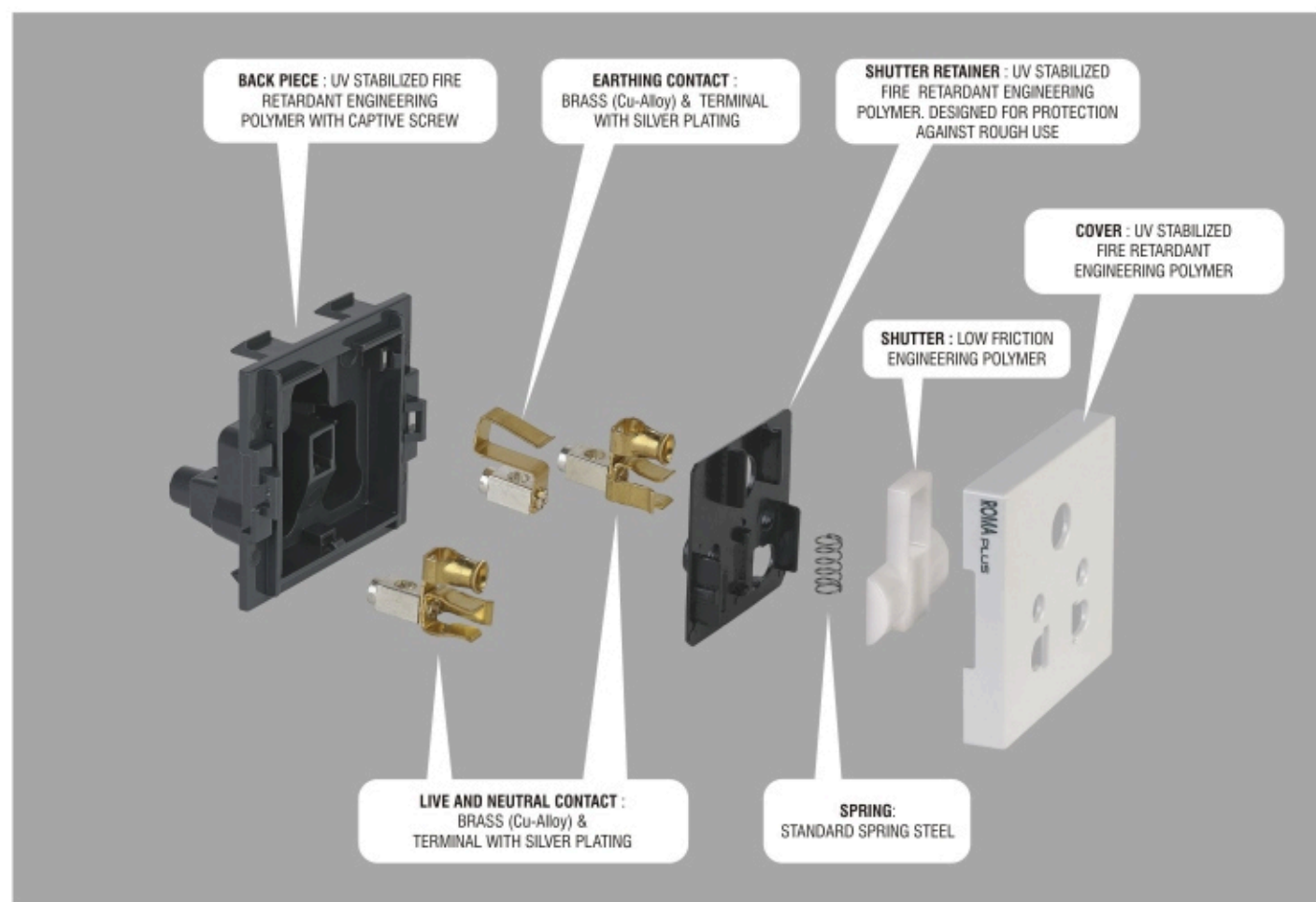


Wiring Indications

Roma Plus Wiring Devices and accessories are equipped with wiring indications on the back side, which helps in correct and safe wiring.

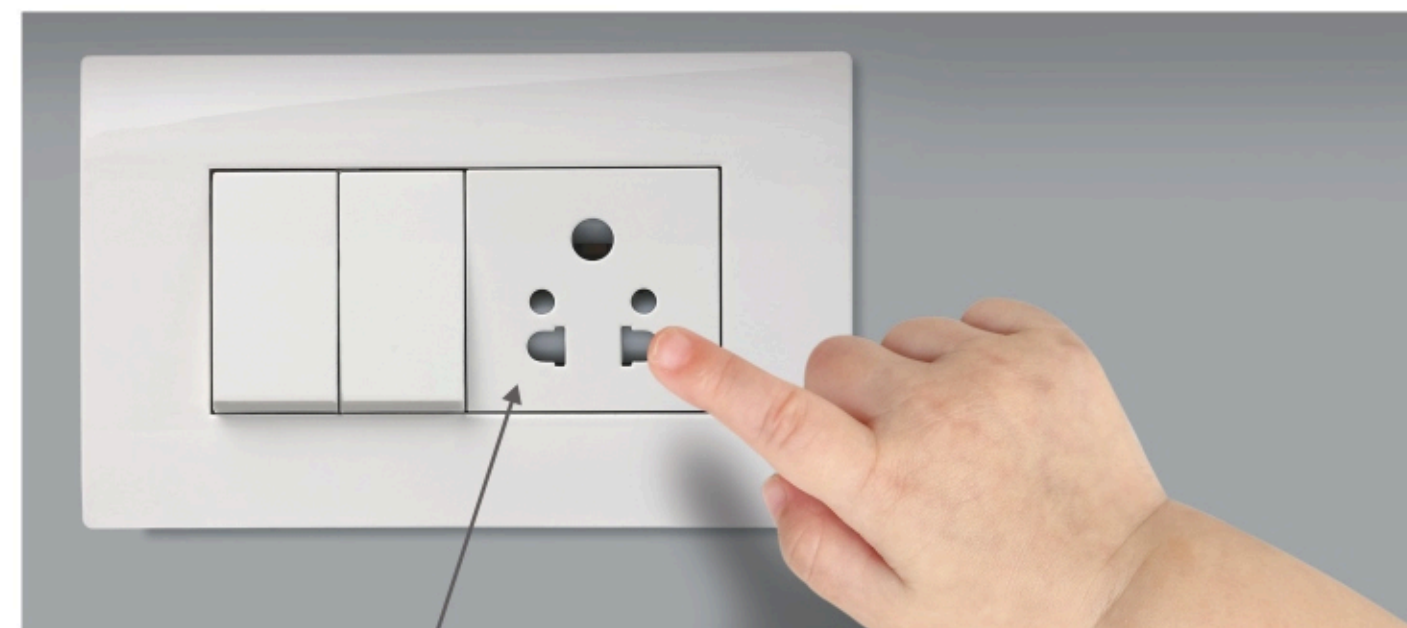
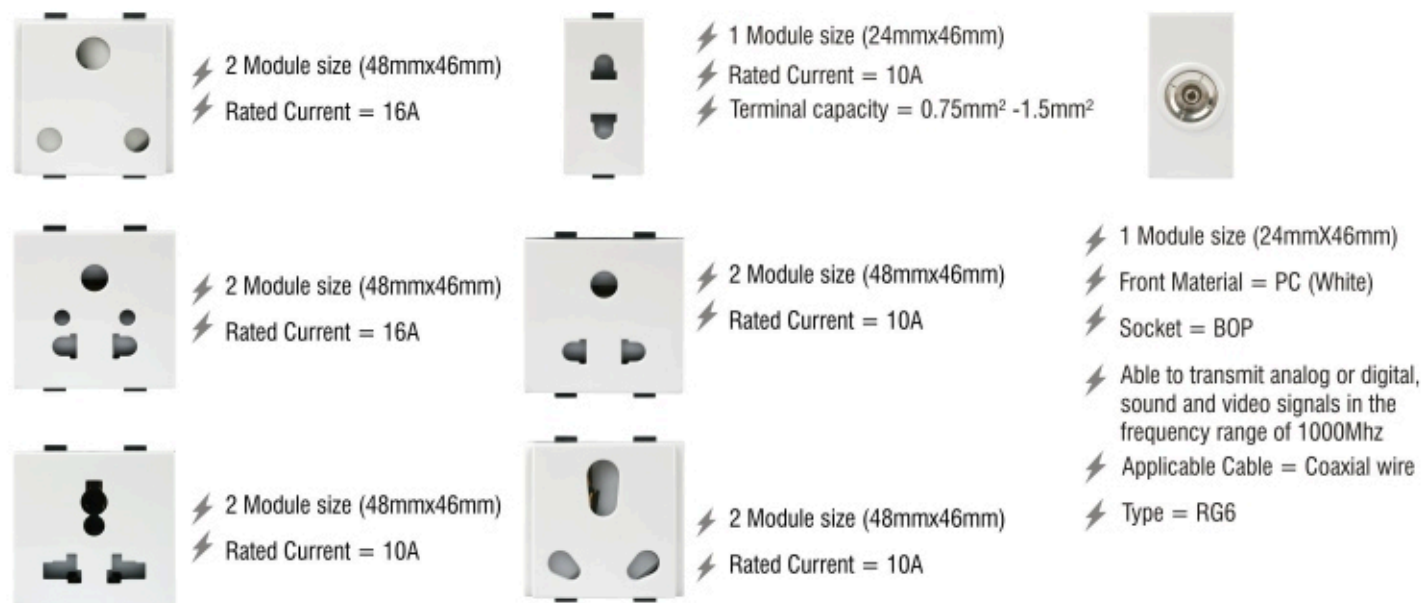


SOCKET COMPONENTS



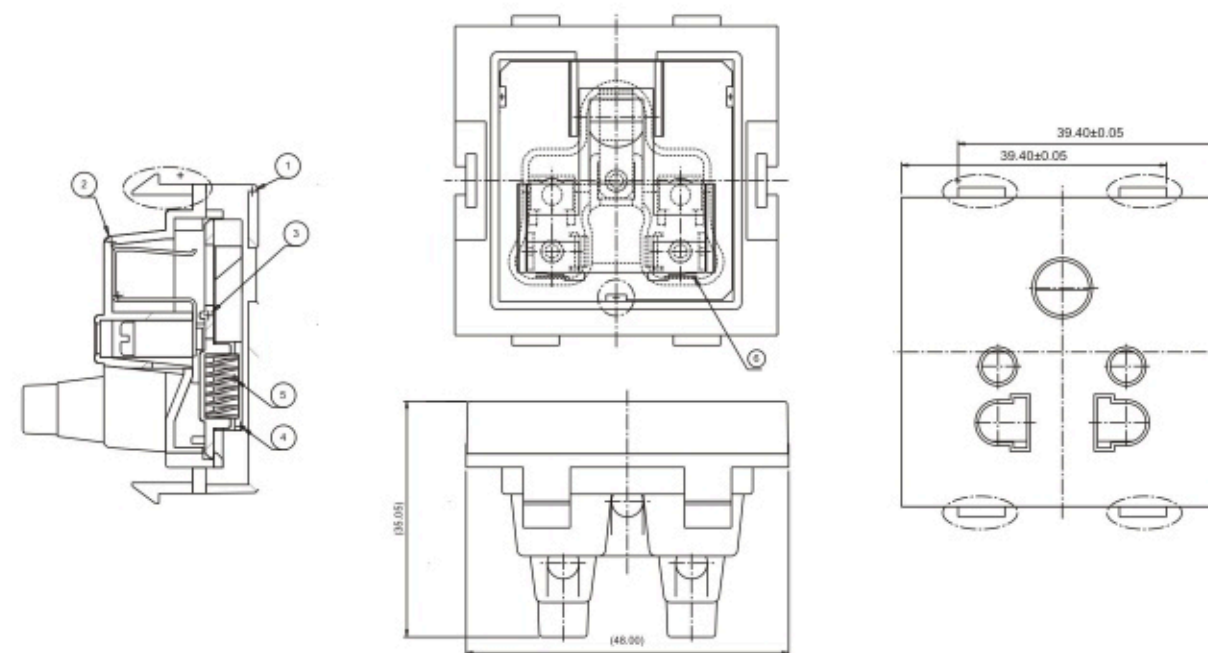
Socket

Supply Voltage = 250V AC +/- 10% , 50Hz, Terminal capacity = 0.75mm² to 1.5mm²



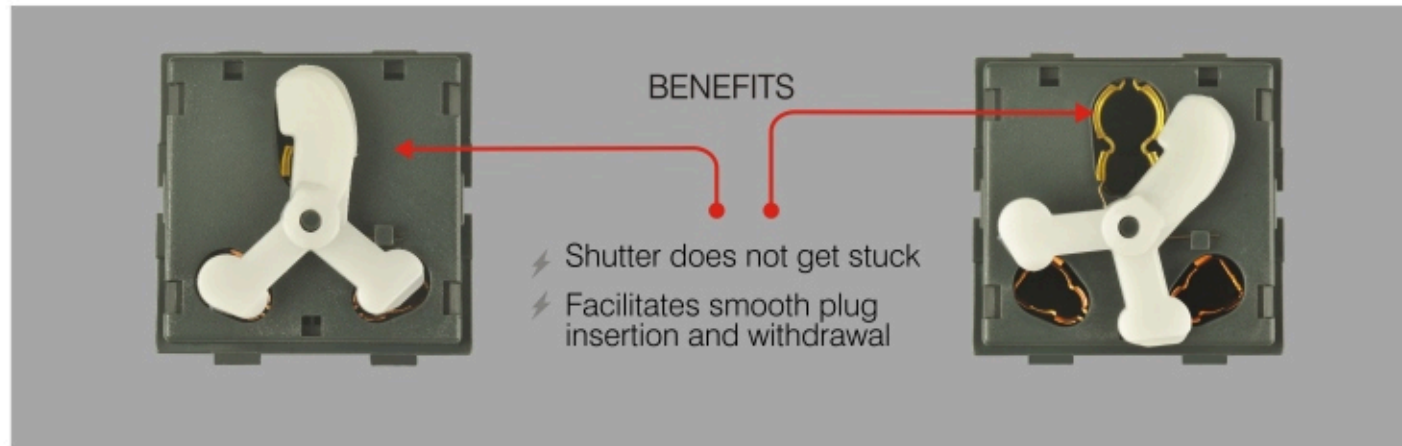
- Safety Shutter
- ▲ Safety against electric shock.
 - ▲ Smooth insertion & withdrawal of plugs.

DIMENSION OF SOCKET



1. Insulation resistance (between live parts - accessible outside part) : more than 5 m
2. Electrical strength (between live parts - accessible outside part) : 3000V / 5 sec.
3. Electrical strength (between terminals) : 3000V / 5 sec.
4. Earthing contacts facilitate plug insertion. While inserting the plug, the earth connection is made before the current carrying contacts of the plug become live. During plug withdrawal the current carrying contact shall separate before the earth connection is broken
5. Withdrawal force is minimal
6. Electrical wire pull test

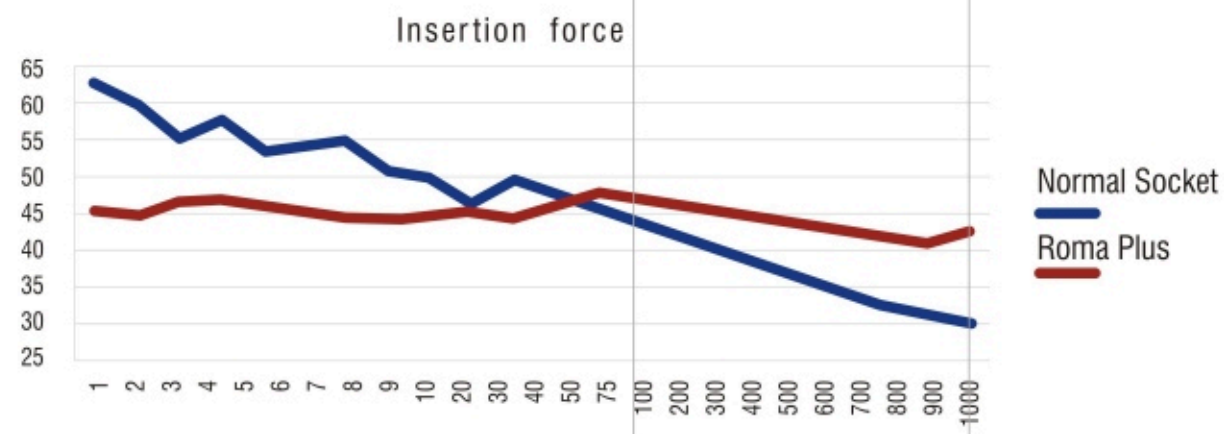
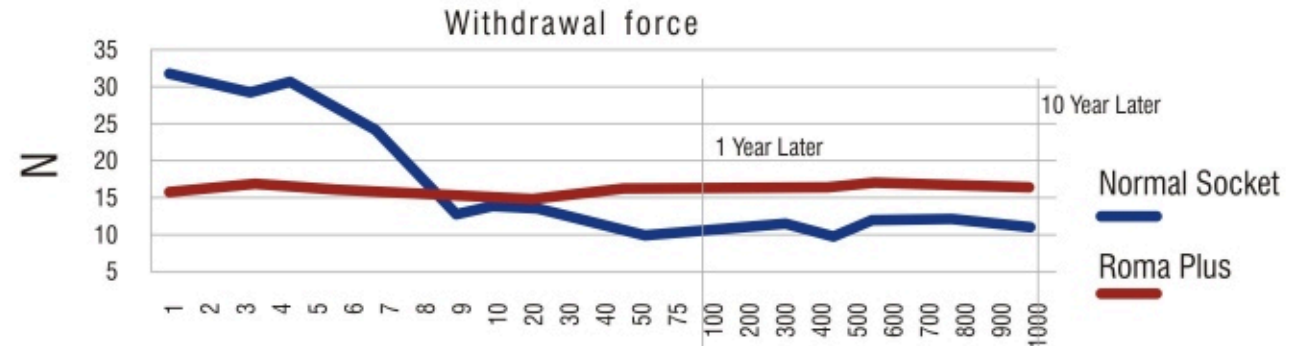
SINGLE SHUTTER DESIGN FOR BOTH 6A/16A PLUG.



Material Characteristics

- ⚡ Nylon 6.6 confirms with the latest BIS standards
- ⚡ Nylon-6.6 (PA66) is a semi crystalline polyamide commonly used in fiber applications such as engineering in material in electro-insulating elements, bearings and gears.
- ⚡ Offers high mechanical strength, rigidity, good stability under heat and/or chemical resistance.
- ⚡ It has good abrasion resistance and self-lubricating properties

UNIFORM WITHDRAWAL AND INSERTION FORCE



Problems with sockets of old design

- ⚡ High Withdrawal force → socket coming out along with plug
- ⚡ Low Insertion force → loose plug → high temperature rise may cause Burning

Sockets with Improved design

- ⚡ Uniform Force leads to consistent plug function & Safety
- ⚡ Plug Insertion & removal = 5000 operations (BIS)

Audio Video Socket



Specification

Rated Voltage and Current : 50V DC 0.30A

Applicable Signal

Audio : 20Hz to 20 KHz

Video : NTSC, PAL, SECAM

Video and Audio Signal

Operating Temperature : -5°C to 55°C

Applicable wires :

Connection with Device : Standard AV Plug

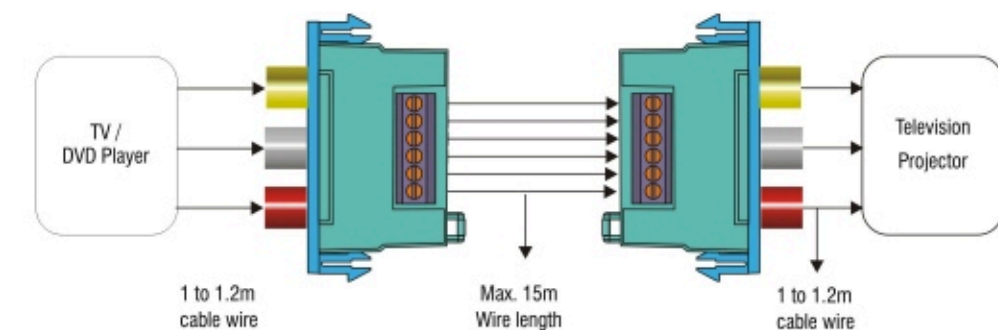
Connection with Device : Standard AV Wire

Internal Connection : Terminal

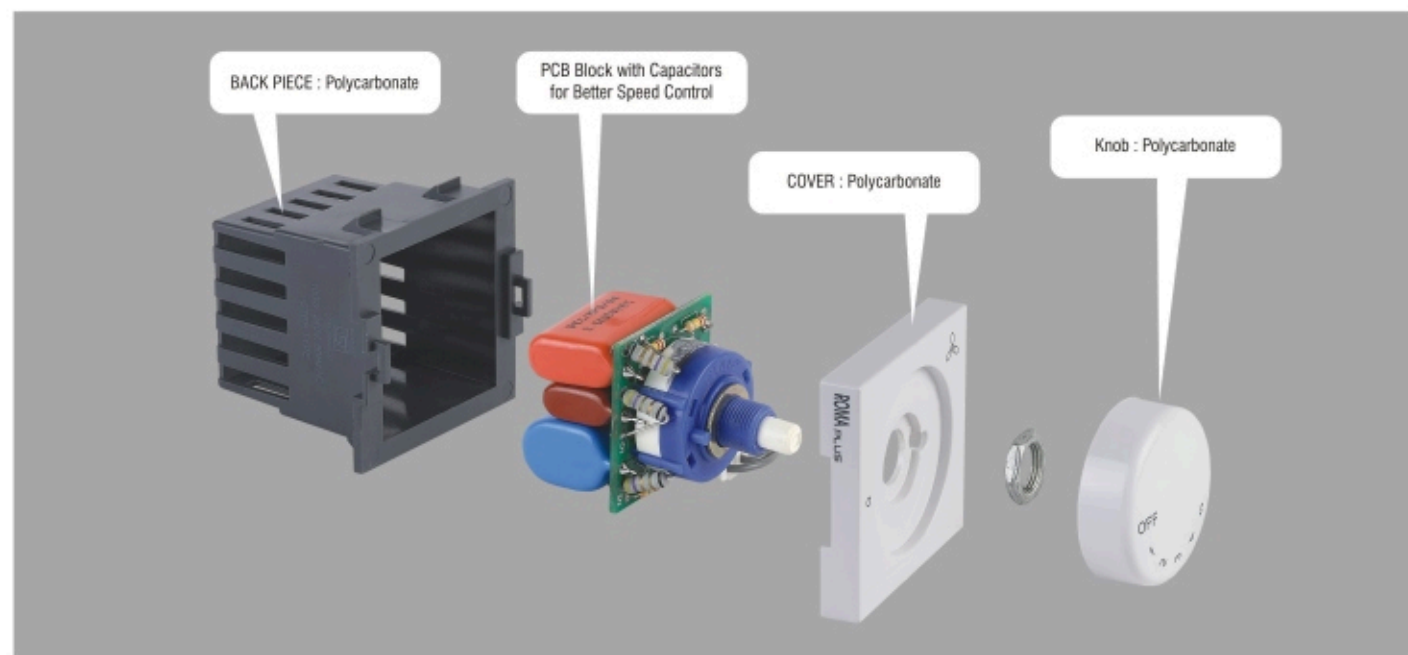
Audio Signal : 1 shielded audio wire pair

Video Signal : 1 mini-coaxial Wire

WIRING DIAGRAM



FAN REGULATOR COMPONENTS



- ⚡ 2 Module size (48mmX46mm)
- ⚡ Conformity to standard = IS:11037
- ⚡ Supply Voltage = 240V AC, 50Hz
- ⚡ Wattage Rating = 100W
- ⚡ 5 Step regulation = 1-2-3-4-5-OFF
- ⚡ Inbuilt ON-OFF Switch



- ⚡ 1 Module size (24mmX46mm)
- ⚡ Compliant to standard = IS:11037
- ⚡ Supply Voltage = 240V AC, 50Hz
- ⚡ Wattage Rating = 100W
- ⚡ 4 Step Fan Regulation

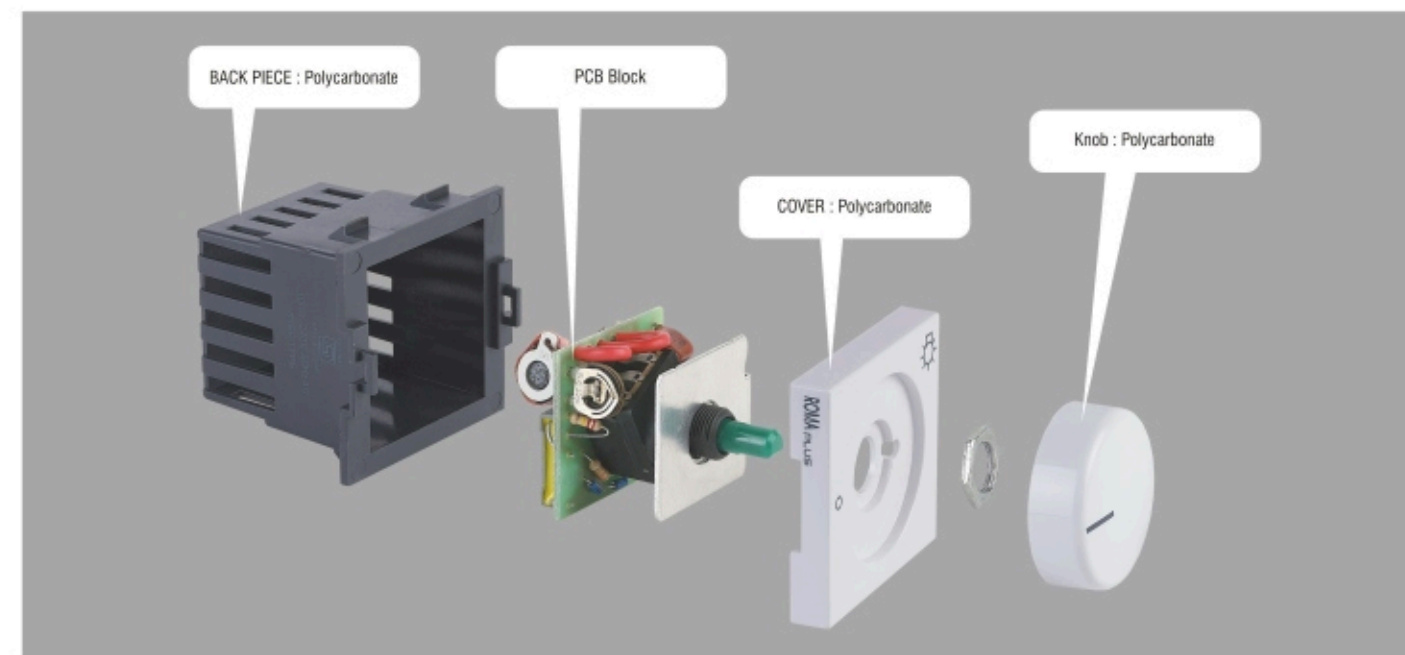
ROMA Plus FAN REGULATOR - Saves Power & Provides uniform speed control as per steps

Fan Regulator															
Position	1			2			3			4			5		
Volt	Amp	Watt	RPM	Amp	Watt	RPM	Amp	Watt	RPM	Amp	Watt	RPM	Amp	Watt	RPM
200	0.128	12	114	0.168	21	145	0.209	32	188	0.225	36	220	0.294	58	360
240	0.153	18	127	0.204	31	182	0.247	44	273	0.259	49	317	0.303	73	410
% Power Consumption @ 240V		25%			42%			60%			67%			100%	

ROMA Plus fan regulator is Triple capacitor based for better and uniform speed control of the fan at all steps and consumes less power at lower steps.

* This is as per the internal test results and may vary for different types of Fans, Regulators and test conditions.

DIMMER COMPONENTS



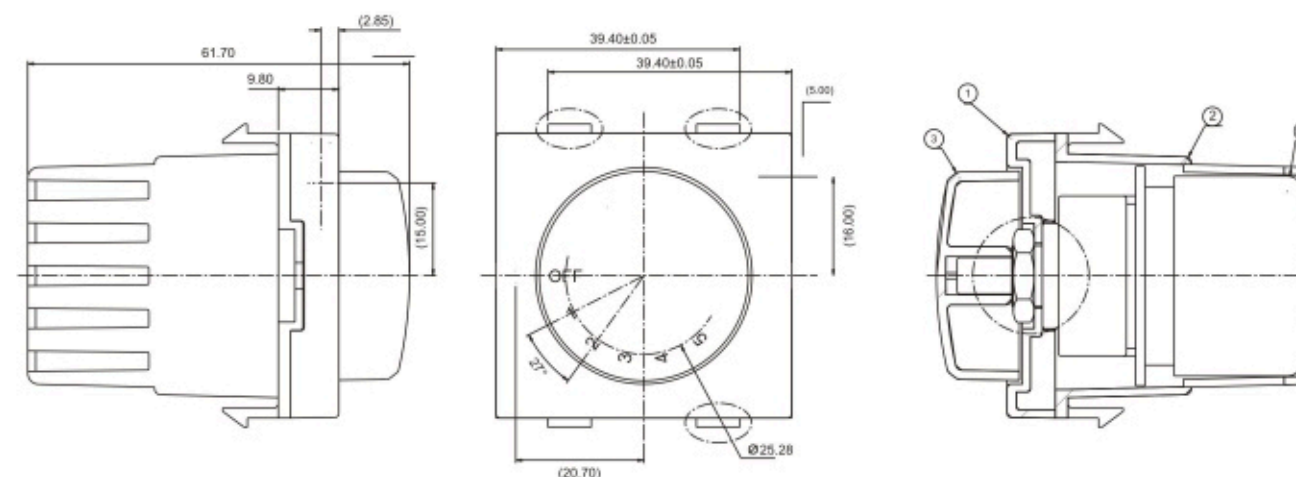
- ⚡ 2 Module size (48mmX46mm)
- ⚡ Supply Voltage = 240V AC, 50Hz
- ⚡ Wattage Rating = 1000W



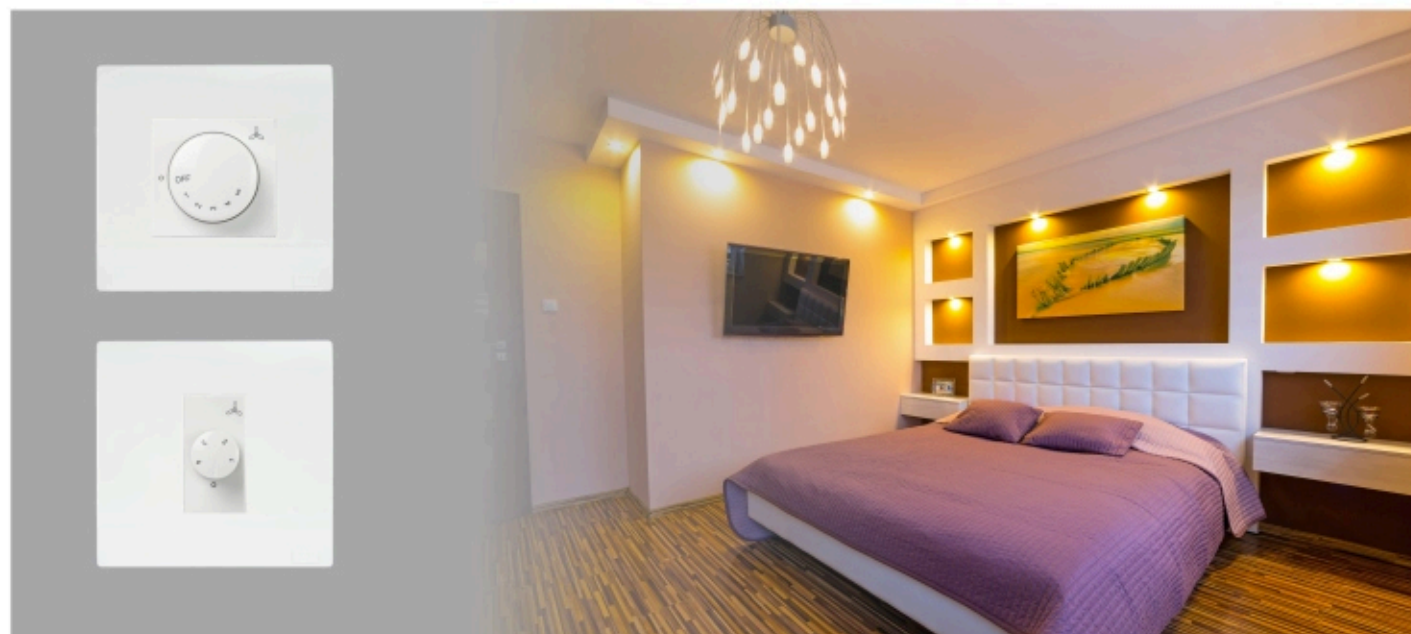
- ⚡ 1 Module size (24mmX46mm)
- ⚡ Supply Voltage = 240V AC, 50Hz
- ⚡ Wattage Rating = 650W

Dimmers should always be used to control resistive loads, ideal for controlling Incandescent and Halogen Lamps.

DIMENSION OF LIGHT DIMMER



- ⚡ Insulation Resistance between Terminals Connected Together (wires shorted) and exposed outside parts or body-switch 'On' Position-500V DC:>100m
- ⚡ Dielectric Strength between Terminals Connected together (wires Shorted) and exposed outside parts or body-switch 'On' Position : 1500V AC For 1 Min.
- ⚡ Ensure the fan is switched 'Off' at the Position.
- ⚡ Gap Between the Front and Rear Cover Is < 0.2mm.



Why Dimmers should not be used to control fans?

Dimmers can control resistive loads but are not suitable for controlling Inductive and Capacitive loads (Fans). Dimmers are used to dim the light of the light sources to 5-10%, the said power cannot control fan speed. This results in the dimmer being overheated.

* Using an overheated and incorrect controller such as a dimmer can lead to burning in such cases.

We do not recommend to connect Dimmer Unit to control FAN/Motor for the following reasons.

- ⚡ Humming sound may come from the Fan/Motor.
- ⚡ Increases possibility of Damage to the Dimmer Unit.
- ⚡ Dimmer Unit may over heat.
- ⚡ Fan Performance will be affected.

FEATURES	FAN REGULATOR	LIGHT DIMMER
1 Supply Voltage	240V AC - 50Hz	240V AC - 50Hz
2 Recommended Load	FAN /Motor	Incandescent lamp /Halogen Lamp
3 Load Wattage - Max	Up to 100W	Up to 1000W
4 Electricity consumption	Less	More
5 Movable Type	With Steps	Without steps
6 Regulator Type	Capacitor based	Triac based
7 Output Voltage	Pure Sine Wave	Chopping Sine Wave
8 Heat Generation	Less (almost no)	More
9 Energy Loss	Less	More
10 RF Noise	NO	Yes - occasionally
11 Buzzing Sound	NO	Yes - occasionally
12 Power Efficiency	More	Less
13 Cost	Costlier than Dimmer	Cheaper than Regulator

R J 11 and R J 45



	Cat 5e	Cat 6
Speed	1000Mbps	10 Gbps over 33 - 55 meters (110 -165 feet) of cable
Frequency	Up to 100 MHz	Up to 250 MHz
Performance	Less crosstalk/interference than CAT5.	1) Better insertion loss, near end crosstalk (NEXT), return loss, and equal level far end crosstalk (ELFEXT) 2) These improvements provide a higher signal ratio, allowing higher reliability for current applications and higher data rates for future applications.
Maximum Cable Length	Up to 100 meters	1) 100 meters for slower network speeds (up to 1,000 Mbps) 2) Higher network speeds over short distances. 3) For Gigabit Ethernet, 55 meters max, with 33 meters in high crosstalk conditions.
Standard gauges in conductors	24-26 AWG wire	24-26 AWG wire
Usage	ATM, token ring, 1000Base-T, 100Base-T, and 10Base-T networking for Homes & Offices	Cabling infrastructure for 10BASE T - (Ethernet), 100BASE TX (Fast Ethernet), 1000BASE - T (Gigabit Ethernet, or GbE) and 10GBASE -T (10 - Gigabit Ethernet, or 10 GbE) networks Homes and Offices.

While Cat 6 is expected to supersede both Cat 5 and Cat 5e cabling in the future, all three types of cables enjoy equal popularity for network installations.

Key card switch



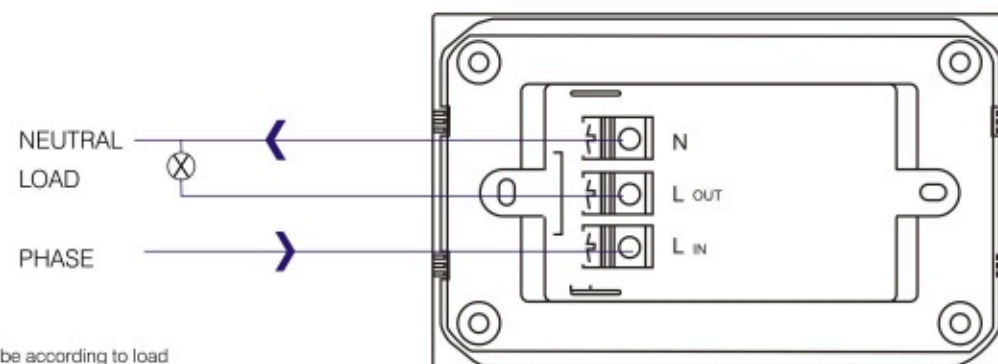
Specification

1) Supply Voltage :	230V AC, 50Hz
2) Load Capacity	20A (Resistive or Mix)
3) Off Time Delay :	30 Sec Approx
4) Power Consumption:	350 mW
5) Technology:	Micro-switch and Relay Based
6) Operating Temperature:	-5°C to 55°C
7) Operated By:	Access Card or Similar, Size: 54mm×86mm Thickness: 0.4mm×0.87mm
8) Weight:	120 g. Approx (Without Plate)

Features

- 1) Operating Voltage: 110V to 270V AC, 50 Hz
- 2) OFF Time Delay
- 3) Card Access Zone Illuminated
- 4) Use Of High Impact Resistive Material, Flame Retarding and UV Stabilized Polycarbonate
- 5) With 3M inner frame + outer cover

WIRING DIAGRAM



NOTE: Size of the supply wires should be according to load

DND MMR



Specification

1) Supply Voltage	240V AC , 50Hz
2) Make My Room Indicator	Indication GREEN
3) Do Not Disturb Indicator	Indication RED
4) Do Not Disturb Switch	Two Way With Indicator
5) Make My Room Switch	One Way With Indicator
6) Operating Temperature Range	- 5° C to 55° C

Features

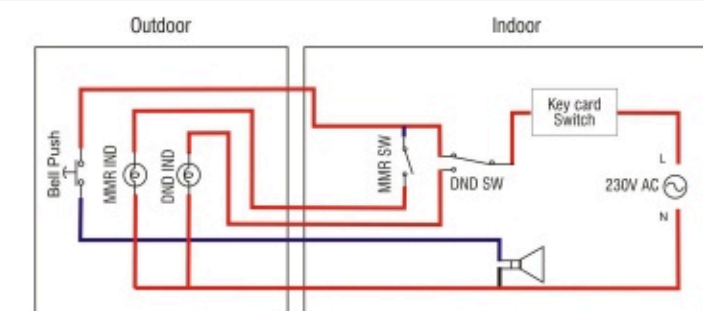
- 1) Films: Translucent
- 2) DND: RED Indicator
- 3) MMR: GREEN Indicator
- 4) DND Switch- Two Way
(To Cut Bell Operation In DND Mode) } To Distinguish
- 5) Flame Retardant, Impact Resistant,
Thermal Resistant (Polycarbonate Material)

Product Size and Detail

	Make My Room	Do Not Disturb	Switch
Size	45.6×23.8 mm	45.6×23.8 mm	45.6×23.8 mm
Colour	White	White	White
Material	Polycarbonate	Polycarbonate	Polycarbonate

WIRING DIAGRAM

Proposed: Wire Size From 0.75 sq.mm
To 2.5 sq.mm Can Be Used





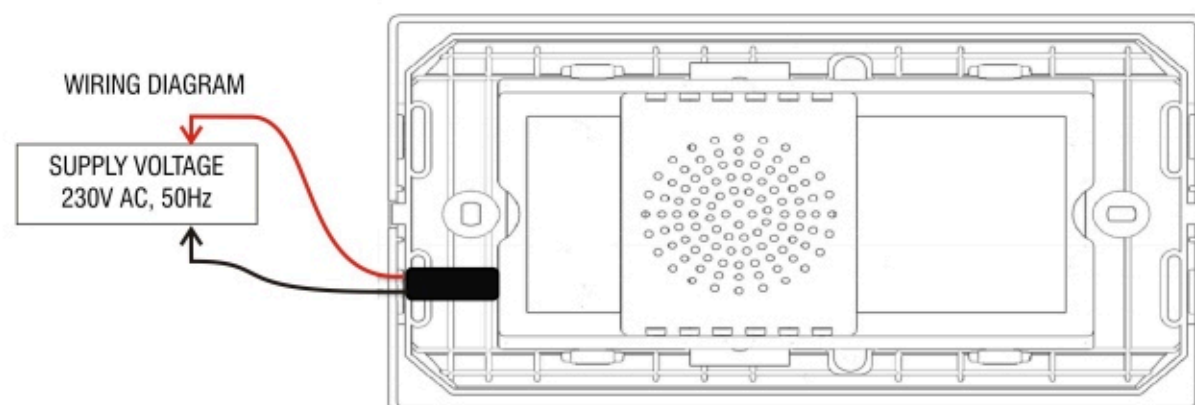
Shaver Socket with inbuilt Transformer, 110V/230V with 4M Cover and Inner Frame

Specification

- 1) Supply Voltage : 230V AC, 50Hz
- 2) Output Voltage : 110V AC and 230V AC, 50Hz
- 3) Voltage Rating : 110V AC: 104.5-115.5V @ 182 mA, 230V AC: 218.5-241.5V @ 87 mA, 230V AC
- 4) Maximum Rated Load : 20A

Features

- 1) Isolated Output Supply
- 2) Over Load Protection

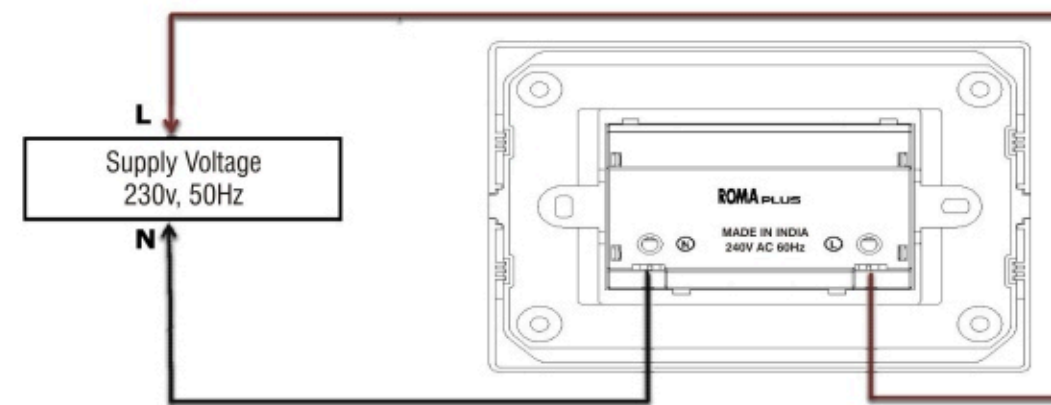


Specification

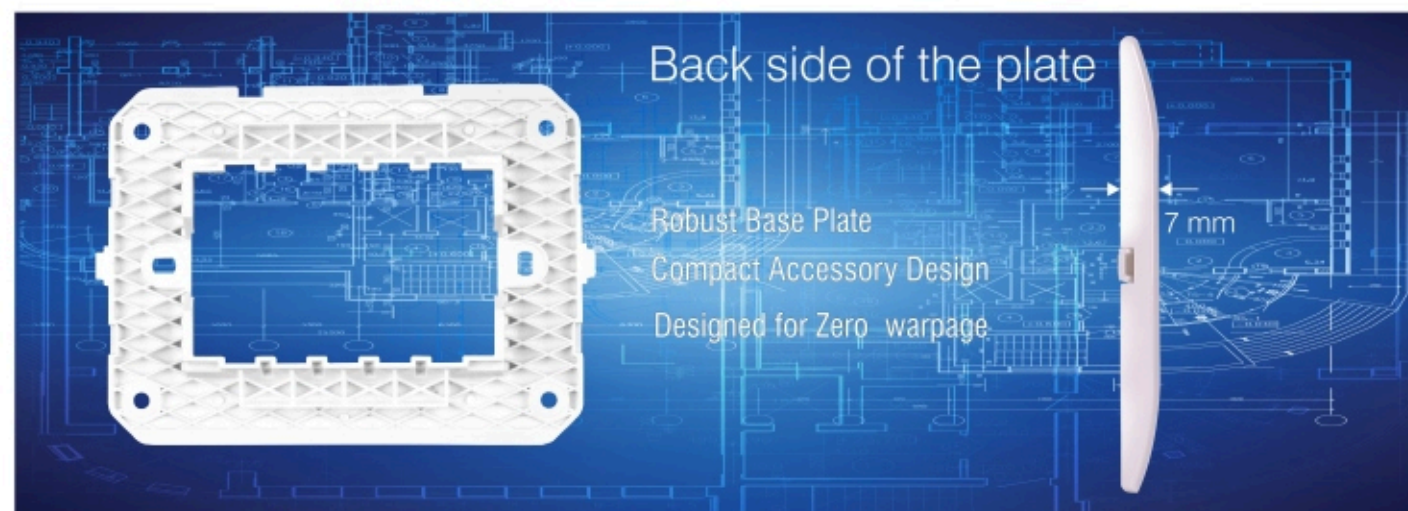
- 1) Operating Voltage: 230V AC \pm 10V, 50Hz
- 2) Rated Current: 14.8 mA (RMS)
- 3) Power Consumption: 64.5 mW
- 4) Light Intensity: 6 to 7 Lux approx.(cool white light)
- 5) Working Temperature :- 3°C to 55°C
- 6) Applicable Wires : 0.75 to 2.5 sq.mm

Features

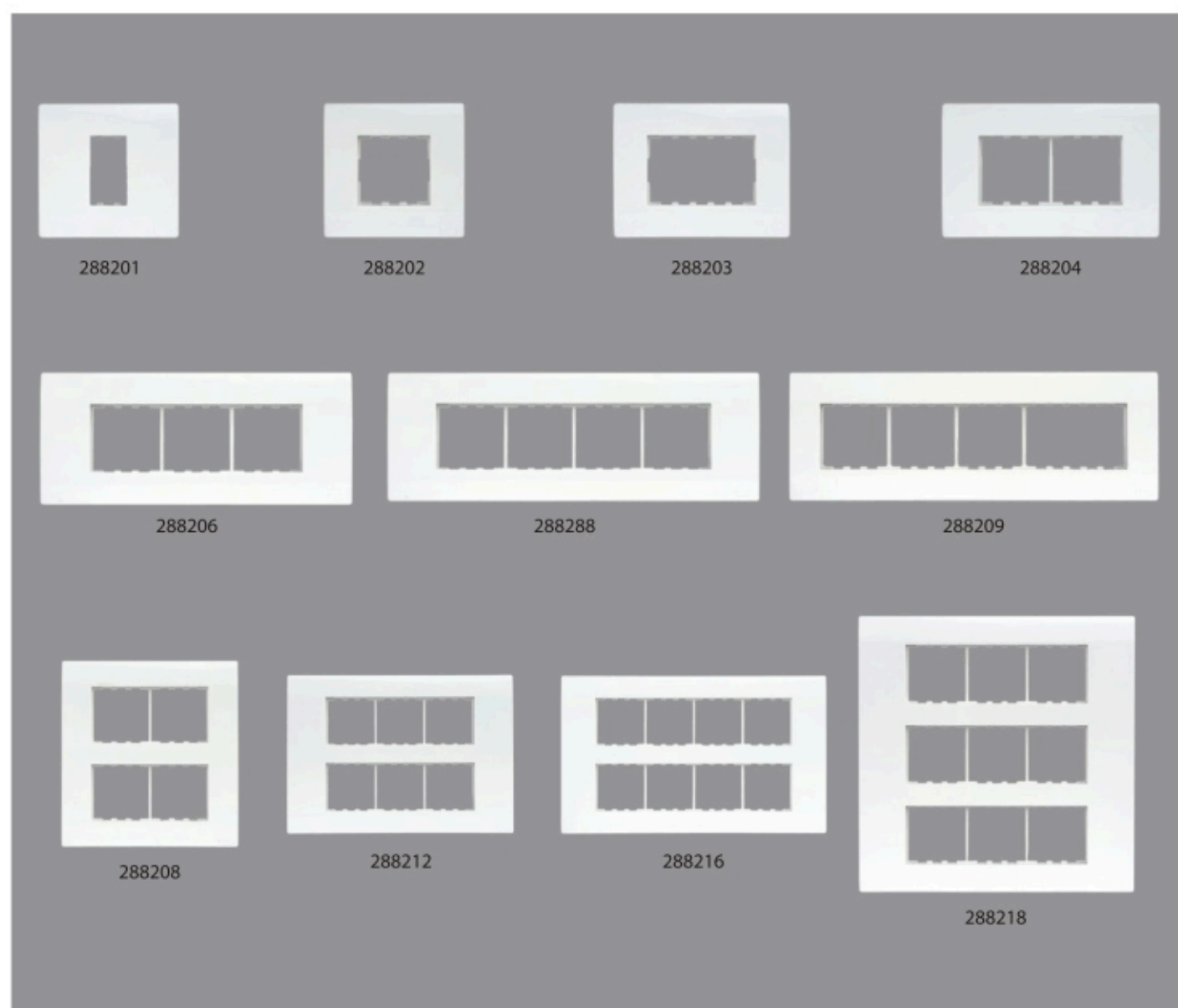
- 1) Protective Shutter : Protection for lens and Light intensity can be controlled.
- 2) Polycarbonate material : flame retardant, impact resistant, heat resistant, thermal resistant.



Explore the Magnificence of White through glossy Plates!

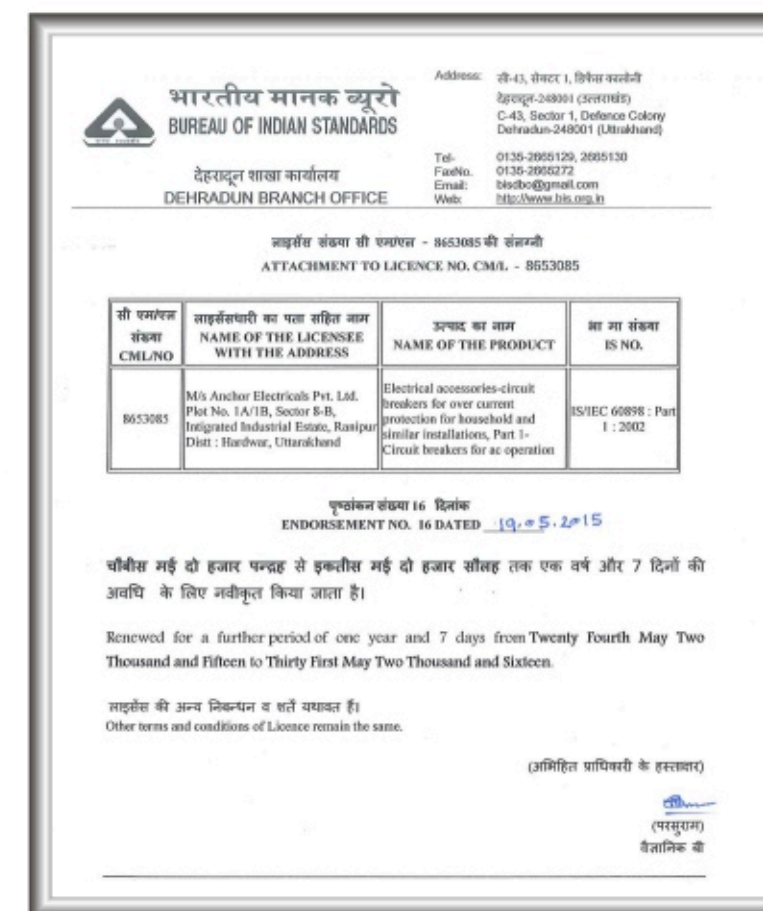


Add to the design magnificence with Glossy White Front Cover Plates with Roma Plus. Available in a variety of Modules these form the perfect synergy with Roma Plus Wiring Devices and accessories.



Certifications

Certification for BIS



ISO certification

Galvanized Metal Boxes



Metal Boxes

- 120 GSM GI BOXES • Long service life • Good quality threads
- Tested as per IS • Earthing terminal to avoid shock

Code Module Size(mm) Depth(mm) Pkd

CONCEALED GI SHEET METAL BOXES (20 Gauge)

Concealed Galvanised mounting boxes

21780	1 or 2 Module	79 x 75	46	10
21452	3 Module	79 x 99	46	10
21791	4 Module	79 x 135	52	10
21463	6 Module	79 x 207	52	10
30453	8 or 9 Module Horizontal	79 x 230	52	5
21474	8 Module Rectangular	132 x 135	56	5
21485	12 Module	132 x 207	56	5
21736	16 Module	142 x 230	56	5
21758	18 Module	207 x 207	60	5

Concealed Galvanised mounting boxes

CONCEALED GI SHEET METAL BOXES (18Gauge)

35 640	1 or 2 Module	79 x 75	46	10
35 650	3 Module	79 x 99	46	10
35 661	4 Module	79 x 135	52	10
35 672	6 Module	79 x 207	52	10
35 683	8 or 9 Module Horizontal	79 x 230	52	5
35 394	8 Module Rectangular	132 x 135	56	5
35 708	12 Module	132 x 207	56	5
35 719	16 Module	142 x 230	56	5
35 720	18 Module	207 x 207	60	5

*16 Gauge Boxes are Available on Request

Surface Plastic Boxes



Plastic Boxes

- High quality boxes made with high impact plastics
- Metal thread inserts

Code Module Size(mm) Depth(mm) Pkd

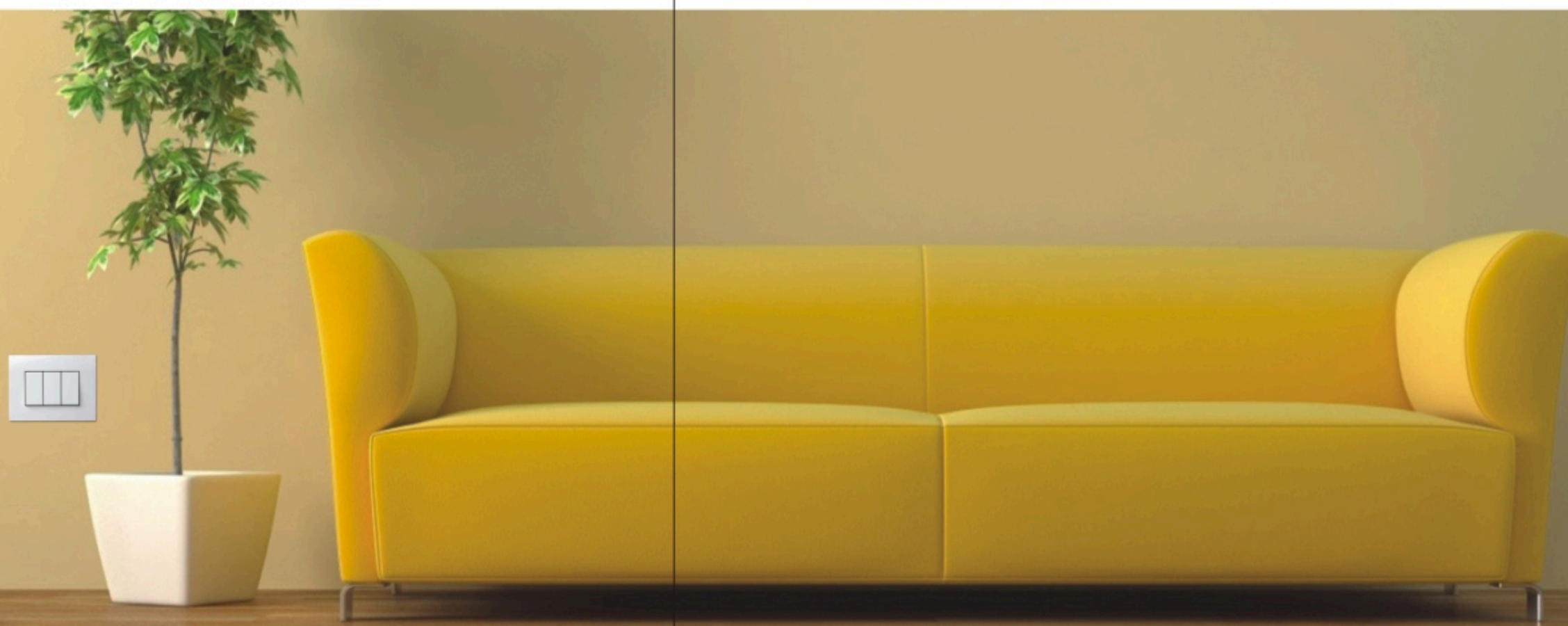
SURFACE PLASTIC BOXES

21281	1 or 2 Module	85 x 85	40	10
20449	3 Module	85 x 115	48	10
21292	4 Module	85 x 145	48	10
30511	6 Module	85 x 219	40	10
30704	8 or 9 Module Horizontal	85 x 248	40	5
20450	8 Module Rectangular	152 x 145	40	5
20347	12 Module	153 x 214	40	5
34567	16 Module	153 x 259	40	5

Not suitable for Woods -
(Matrix, Stella Plate) & Vision Plates

CONCEALED PLASTIC BOXES

21 237	1 or 2 Module	78 x 78	45	10
21 306	3 Module	75 x 103	52	10
21 248	4 Module	76 x 136	46	10
21 259	6 Module	76 x 205	50	10
30 475	8 or 9 Module Horizontal	78 x 229	50	5
21 260	8 Module Rectangular	135 x 133	51	5
21 270	12 Module	135 x 206	51	5
21 408	18 Module	204 x 207	51	5



HEAD / REGIONAL OFFICES

EAST

Anchor Electricals Pvt. Ltd.
4th Floor, Block " C ", Apeejay House
15, Park Street, Kolkata, West Bengal - 700 016.

WEST (H.O.)

Anchor Electricals Pvt. Ltd.
3rd Floor, B Wing I-Think Techno Campus,
Pokhran Road No. 2, Thane (W)
Thane - 400607. Maharashtra | Tel: (9122) 30418888

STATE / SALES OFFICES

NORTH-1

CHANDIGARH

Anchor Electricals Pvt. Ltd.
SCO-40, 1st Floor, NAC
Manimajra, Chandigarh-160101,
Tel: 0172-3255715

AMRITSAR

- Anchor Electricals Pvt. Ltd.
45, Deep Complex, Court Road,
Amritsar, Punjab - 143001
Tel: 0183-3292567

NORTH-2

HARYANA

- Anchor Electricals Pvt. Ltd.
6th Floor, TDI Centre,
Jasola District,
New Delhi - 110025

KOTA

- Anchor Electricals Pvt. Ltd.
Office No. 6, Plot No. 621, 1st Floor,
Mukesh Plaza, Dadabari, Kota,
Rajasthan - 324009,
Tel: 0744-2500368

KANPUR

- Anchor Electricals Pvt. Ltd.
201, Govinda Building, 1-A,
Shahnaaz Road, Hazratgunj,
Lucknow, Uttar Pradesh - 226001
Tel: 0522-3920999

EAST-1

WEST BENGAL

1st Floor, Hanshara House,
Beside City Mall (Bazar Kolkata),
Sevoke Road, Siliguri - 734001

EAST-2

BIHAR

Anchor Electricals Pvt. Ltd.
F-1, 1st Floor, Gitanjali Palace, Jamal
Road, Patna, Bihar - 800001
Tel: 0612-3297075

JAMMU

Anchor Electricals Pvt. Ltd.
85/1-1st Floor, Trikuta Nagar,
Jammu - 180012
Tel: 0191-2470735 / 2470736

UTTARAKHAND

- Anchor Electricals Pvt. Ltd.
Khasra No : 332-333-335 & 339,
1st Floor, Main Saharanpur Road,
Niranjanpur, Opp : Institute of
Hotel Management, HCL Compound,
Dehradun - 248 001
Tel: 0135-3241686

RAJASTHAN

- Anchor Electricals Pvt. Ltd.
224-225, 2nd Floor, Ganpati Plaza
M.I. Road Jaipur,
Rajasthan - 302001
Tel: 0141-3007666 / 2331369

UTTAR PRADESH

Anchor Electricals Pvt. Ltd.
201, Govinda Building, 1-A,
Shahnaaz Road, Hazratgunj,
Lucknow, Uttar Pradesh - 226001
Tel: 0522-3920999

ALLAHABAD

- Anchor Electricals Pvt. Ltd.
P. N. 204, H No. C-27/274 A-3,
S-1, 2nd Floor, Dr. Jai Singh
Building, Maldahiya, Varanasi,
Uttar Pradesh - 221001
Tel: 09307142565

ASSAM

Anchor Electricals Pvt. Ltd.
Duhang Arcade 2A, 2nd Floor,
G. S Road, Tarun Nagar,
Opp. Dona Plannet, Guwahati, Assam - 781005
Tel: 0361-2450577

ODISHA

Anchor Electricals Pvt. Ltd.
2nd Floor, Creative Plaza, Rasulgarh
Square, Mouza-Bornikhal
Bhubaneswar, Odisha - 751010.
Tel: 0674-3240109

NORTH

Anchor Electricals Pvt. Ltd.
6th Floor, TDI Centre, Jasola District, New Delhi - 110025

SOUTH

Anchor Electricals Pvt. Ltd.
No. 8-12, III Floor, Prestige Nebula-II, Infantry Road,
Bangalore, Karnataka - 560001 | Tel: 080-30284400-40

KASHMIR

- Anchor Electricals Pvt. Ltd.
Opp : Chief Engineers Office MES,
Sonwar, Srinagar - 190001

HALDWANI

- Anchor Electricals Pvt. Ltd.
Shop No. U-28, Upper Ground Floor
Phase - 1, Durga City Centre
Haldwani - 263 141

UDAIPUR

- Anchor Electricals Pvt. Ltd.
4C/201, Riddhi Siddhi
Complex, Madhuvan, Udaipur,
Rajasthan - 313001
Tel: 0294-2422412

VARANASI

- Anchor Electricals Pvt. Ltd.
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Uttar Pradesh - 221001
Tel: 09307142565

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89, Lodhi tower, Mali Road
Ludhiana, Punjab - 141001
Tel: 0161-4630796/3292567

JODHPUR

- Anchor Electricals Pvt. Ltd.
308, 308A, Aggarwal Tower,
3rd Floor, Sardarpura B Road,
Jodhpur, Rajasthan - 342001
Tel: 0291-2651000

GHAZIABAD

- Anchor Electricals Pvt. Ltd.
6th Floor, TDI Centre,
Jasola District,
New Delhi - 110025

SAMBALPUR

- Anchor Electricals Pvt. Ltd.
Quality Mansion, 1st Floor, Nayapada,
Sambalpur, Odisha - 768001
Tel: 09337780450

JHARKHAND

- Anchor Electricals Pvt. Ltd.
509, 5th Floor, R. R Tower, Opp.
Akashwani, (Near New Market Chawk)
Ratu Road, Ranchi, Jharkhand - 834005.
Tel: 0651-3241617

WEST-1

GOA

Anchor Electricals Pvt. Ltd.
403, Gera Imperium II, 4th Floor,
Patto Panjim, Goa - 403001
Tel: 0832-3294189 / 3193131

AURANGABAD

- Anchor Electricals Pvt. Ltd.
Plot No. 8, Raj Tower, 2nd Floor,
Near Angethi Hotel, Jalna Road,
Aurangabad - 431001
Tel: 0240-6500200

KALBADEVI ROAD

- Anchor Electricals Pvt. Ltd.
C-369/485, Takwadi, Behind
Bank of India, 485, Kalbadevi Road,
Mumbai - 400002
Tel: 022-39567073

WEST-2

CHHATTISGARH

- Anchor Electricals Pvt. Ltd.
316-317 (A to E), Ravi Bhavan,
3rd Floor, Jaistambh Chowk,
Raipur - 492001
Tel: 0771-3291701

RAJKOT

- Anchor Electricals Pvt. Ltd.
Office No. 502, 5th Floor, King's Plaza,
Astrone Chowk, Sardar Nagar,
Main Road, Rajkot,
Gujarat - 360001
Tel: 0281-3010400

SOUTH-1

TELANGANA

- Anchor Electricals Pvt. Ltd.
G2 1-8 384/385, Gowra Grand,
S. P. Road, Begumpet,
Secunderabad,
Andhra Pradesh - 500003
Tel: 040-30482989 / 2999

HUBLI

- Anchor Electricals Pvt. Ltd.
A/122-146, 2nd Floor, Mahalaxmi
Mansion, Above Axis Bank,
New Cotton Market
Despande Nagar, Hubli - 580029
Tel: 0836-3296694

SOUTH-2

KERALA

- Anchor Electricals Pvt. Ltd.
K. P. Varkey & Madathiparambi
Complex, 1st Floor, 351/1085D,
Palarivattom, Cochin - 683525
Tel: 0484-3951000 / 01

PONDICHERRY

- Anchor Electricals Pvt. Ltd.
201, 1st Floor, Mission Street,
Pondicherry - 605001
Tel: 0413-3190071 / 3190081

PUNE

Anchor Electricals Pvt. Ltd.
Fifth Avenue, office No.E4-A, 4th Floor,
Dhole Patil Road, Pune - 411001
Tel: 020-66207260

KOLHAPUR

- Anchor Electricals Pvt. Ltd.
1st Floor, Office No. 4, Namdev Nest
Above Axis Bank, Opp. Kamla College
Rajarampuri, Takala, C. S. No. 1160B
Kolhapur-416001
Tel: 0231-6050945

NAGPUR

- Anchor Electricals Pvt. Ltd.
Tapashiya, 1st Floor, Near Rahale
Hospital, Adamsha Chawk,
Nagpur - 440008
Tel: 09370430999

GUJARAT

- Anchor Electricals Pvt. Ltd.
304, 3rd Eye one complex, Opp.
Havmor Restaurant, Panchvati, C.G.
Road, Ahmedabad, Gujarat - 380006
Tel: 079-30063870 / 26460172

MADHYA PRADESH

- Anchor Electricals Pvt. Ltd.
318, 3rd Floor, D.M. Tower, 21/1
Race Course Road, Indore.
Madhya Pradesh - 452003.
Tel: 0731-3952501 / 05

BANGALORE

- Anchor Electricals Pvt. Ltd.
Prestige Nebula - II, 3rd Floor
Block 2nd, Infernity Road, Cubbon Rd
Bengaluru - 560001
Tel: 080-30284400 / 01

ANDHRA PRADESH

- Anchor Electricals Pvt. Ltd.
Door No. 39/10/5, V.N.R.Tower,
2nd Floor, Labbipet, Dist. Krishna,
Vijaywada - 520010
Tel: 0866-3056789

TAMILNADU

- Anchor Electricals Pvt. Ltd.
Level 3, Ispahani Centre, 123-124,
Nungambakkam High Road,
Chennai, Tamilnadu - 600034
Tel: 044-30261700 / 01

NAVI MUMBAI

- Anchor Electricals Pvt. Ltd.
Arenja Corner, 3rd Floor, 301,
Sector 17, Vashi, Navi Mumbai,
Maharashtra - 400703
Tel: 022-65551316

THANE

- Anchor Electricals Pvt. Ltd.
3rd Floor, B Wing I-Think Techno Campus,
Pokhran Road No. 2, Thane (W)
Thane - 400607. Maharashtra
Tel: (9122) 30418888

NASHIK

- Anchor Electricals Pvt. Ltd.
Archit Icon, 1st Floor, Patil Lane Road,
Nashik - 422005.

SURAT

- Anchor Electricals Pvt. Ltd.
403, 4th Floor, Union Trade Centre,
Above Passport Office, Udhana
Darwaja, Ring Road, Surat,
Gujarat - 395002
Tel: 0261-3002008 / 0261-3002009

BHOPAL

- Anchor Electricals Pvt. Ltd.
5, Zone-1, 1st Floor, CitiBank Road,
Opp Hotel Residency, M. P. Nagar,
Bhopal, Madhya Pradesh - 462011.
Tel: 0755-3061815 / 3061816

MANGALORE

- Anchor Electricals Pvt. Ltd.
225, 1st Floor, Ideal Tower
Opp Saravu Ganpathi Temple
Hampanakatta,
MANGALORE - 575 001

COIMBATORE

- Anchor Electricals Pvt. Ltd.
Balavasanth Complex, No.1
Bharthi Park, Cross Road 2,
NSR Road, Saibaba Colony
Coimbatore - 641 011

NANDED

- Anchor Electricals Pvt. Ltd.
101 Millennium Tower, Bhawar
Chowk, Malegaon Road,
Taroda Naka, Nanded - 431605
Tel: 02462-266855

VADODARA

- Anchor Electricals Pvt. Ltd.
306, Atlantis, Near Croma, Genda
Circle Road, Vadodara,
Gujarat - 390007
Tel: 0265-6541992

MYSORE

- Anchor Electricals Pvt. Ltd.
Nakshatra, No. 858/859,
CS 20 K. R. Mohalla, Narayana
Shastry Road, Mysore,
Karnataka - 570024

