

**CLIPSAL**<sup>®</sup>

by **Schneider Electric**



*An inspiration  
in innovation,  
creativity and style.*

C-Cosmo



# C-Cosmo

*For Truly Rich  
& Cosmopolitan  
Homes*



**E 2000**  
S E R I E S



Surrounds provide a great variety of colours and textures. Clip on your choice to suit your changing demand.

Clip-on surround conceals all mounting holes. No screw caps required.

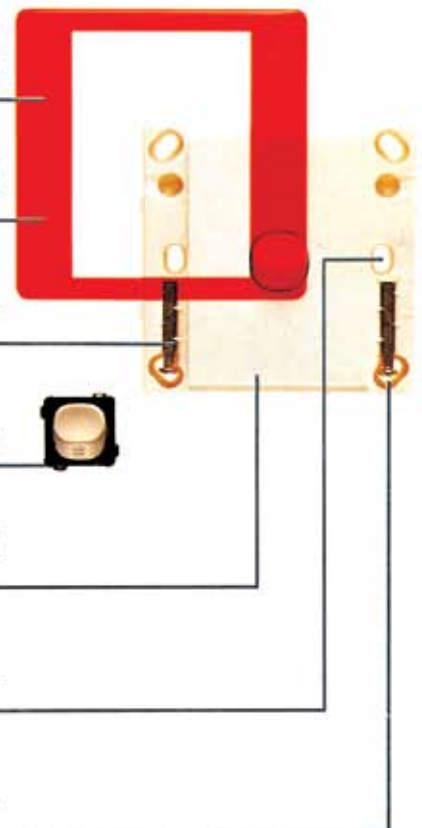
Fixing screws clipped into grid ready for use.

E2000 Series is fully compatible with the proven E30 Series mechanisms.

Grid assembly allows overpaint that will be concealed by surround eventually.

E2000 Series fits BS pattern mounting accessories.

E2000 Series can be directly fixed to walls, wood panels.





*“Contemporary Lifestyle,  
Technology for the Refined & Modern Life”*



**C-COSMO STANDARD DOLLY**

**C-COSMO MEGA DOLLY**





# E 2 0 0 0

## E2000 System

### A Perfect Balance of Design & Function

Clipsal's **E2000** System consists of C-Cosmo, C-Cosmo Mega which feature removable switch surrounds that cleverly hide the mounting screws. This range offers a wide spectrum of different colour & finish combinations with a high degree of aesthetic flexibility, which can cater for the ever-changing demands of interior designers & homeowners. "Mega" dolly is another innovative design, featuring large press button, polycarbonate materials & high glossy surface finishing. It can be mixed & matched with C-Graphic & color surrounds for special effect. The contemporary styling & flexibility of the E2000 series have made it Clipsal's most popular range of switches & sockets. Designed to be equally suitable in the modern home or in a hotel. E2000 has the flexibility & aesthetics to set any electrical installation apart from the traditional.

## C-Cosmo (E2000 Standard Dolly & Mega Dolly)

### Brightens Up Your Life Day & Night

Nothing brightens your universe like these simple pleasures from the C-Cosmo range. With a perfect balance of design & function, C-Cosmo includes standard Dolly Switches, Mega Switches & accessories. Created to achieve variety, quality & choice, C-Cosmo brightens up your life day & night.

C-Cosmo Standard Dolly switches & accessories display strength & durability with a sleek & smooth finish while Mega switches caters for those who prefer a touch of European style & sophistication. To match various interior décor themes, the coloured C-Graphic surrounds are the perfect solution for mixing & matching, as well as reflecting your personal taste.



## E2000 System – C- COSMO MEGA

### Features & Benefits:

- Large rocker design for easy & convenient operation
- Modular construction of switch plate & rocker for easy conversion
- Polycarbonate finishes for extra durability & safety
- First use of multi-gang surrounds in BS wiring accessories
- Sense of Unique style & bold design
- No more visible screws, removable switch surrounds cleverly hides the mounting screws
- Contemporary styling & flexibility makes the range popular
- Wide spectrum of colored & textured options caters for the ever changing demands of interior designer & home owners
- Suited for modern homes, commercial spaces, shopping malls, hotels, corporate hubs
- Quality Assurance with BS & IEC Standards

*Thinking Home, Thinking Clipsal*







## FLUSH SWITCHES 10A AND 20A



### E20311A

1 gang Intermediate Switch

### E20321A

2 gang Intermediate Switch

### E20341A

4 gang Intermediate Switch

### E2031/1/2A

10A 1 gang 1way Switch

### E2031/2/3A

10A 1 gang 2way Switch

### E2031/2/3SA

10A 1 gang 2way Shallow Switch

### E2032/1/2A

10A 2 gang 1way Switch

### E2032/1/2SA

10A 2 gang 1way Switch

### E2032/2/3A

10A 2 gang 2way Switch

### E2032/2/3SA

10A 2 gang 2way Shallow Switch

### E2033/1/2A

10A 3 gang 1way Switch

### E2033/1/2SA

10A 3 gang 1way Shallow Switch

### E2033/2/3A

10A 3 gang 2 way

### E2033/2/3SA

10A 3 gang 2 way Shallow Switch

### E2034/1/2A

10A 4 gang 1 way Switch

### E2034/1/2SA

10A 4 gang 1way Switch Shallow

### E2034/2/3A

10A 4 gang 2way Switch

### E2034/2/3SA

10A 4 gang 2way Shallow Switch

### ET2036/1/2A

10A 6 gang 1way Switch

### ET2036/1/2SA

10A 6 gang 1way Shallow Switch

### ET2036/2/3A

10A 6 gang 2way Switch

### ET2036/2/3SA

10A 6 gang 2way Shallow Switch

### ET2038/1/2A

10A 8 gang 1way Switch

### ET2038/1/2SA

10A 8 gang 1way Shallow Switch

### ET2038/2/3A

10A 8 gang 2way Switch

### ET2038/2/3SA

10A 8 gang 2way Shallow Switch

### E2031/1/20A

20A 1 gang 1way switch

### E2031/2/20A

20A 1 gang 2way switch

### E2032/1/20A

20A 2 gang 1way switch

### E2032/2/20A

20A 2 gang 2way switch

### E2033/1/20A

20A 3 gang 1way switch

### E2033/2/20A

20A 2 gang 2way switch

### E2034/1/20A

20A 4 gang 1way switch

### E2034/2/20A

20A 4 gang 2way switch

### ET2036/1/20A

20A 6 gang 1way switch

### ET2038/1/20A

20A 8 gang 1way switch

### ET2038/2/20A

20A 8 gang 2way switch

## FLUSH DP SWITCHES 20 AMP



### E2031/1/20A

20A gang 1 way Switch

### E2031D20A

20A gang DP Switch

### E2032DE20NA

20A 2 gang DP Switch with neon

### E2032VD20NA

20A 2 gang DP Switch with neon

### E2032VDE20NA

20A 2 gang DP Switch with neon/Earth

### E2032VDE20NA-WH

20A 2 gang DP Switch with neon/Earth marked "Water Heater"

### E2032VDE20NA-WM

20A 2 gang DP with neon/Earth marked "Washing Machine"

### E2032VDE20NA-DW

20A 2 gang DP with neon/Earth marked "Dish Washer"

### E2032VDE20NA-AC

20 2 gang DP with neon/Earth marked "Air Conditioner"

## FLUSH SWITCHES 32 AMP DP



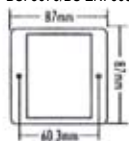
### E2031DR32

32A 1 gang DP Switch

### E2031DR32N

32A 1 gang DP with neon Switch

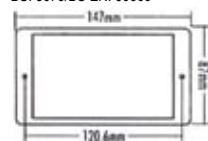
BS: 3676/BS EN: 60669



Suitable Mounting Boxes

- E157E (0.9mm T, 35mm D)
- E157E HD (1.1mm T, 35mm D)
- E157ED HD (1.1mm T, 47mm D)
- E2000SM-1, E238, E238E

BS: 3676/BS EN: 60669



Suitable Mounting Boxes

- ET157E (0.9mm T, 35mm D)
- ET157E HD (1.1mm T, 35mm D)
- ET157ED HD (1.1mm T, 47mm D)
- E2000SM-2, E238/2, ET238, ET238E

BS: 3676/BS EN: 60669

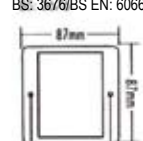


Suitable Mounting Boxes

- ET157E (0.9mm T, 35mm D)
- ET157E HD (1.1mm T, 35mm D)
- ET157ED HD (1.1mm T, 47mm D)
- E2000SM-1, E2000SM-2

\* "V" denotes Vertical align plate

BS: 3676/BS EN: 60669



Suitable Mounting Boxes

- E157E (0.9mm T, 35mm D)
- E157E HD (1.1mm T, 35mm D)
- E157ED HD (1.1mm T, 47mm D)
- E2000SM-1, E238, E238E

T- Thickness, D- Depth

For special colours please check with Clipsal team.

## FLUSH SWITCHES 45 AMP DP AUSTRALIAN TYPE (PUSH UP OR DOWN)



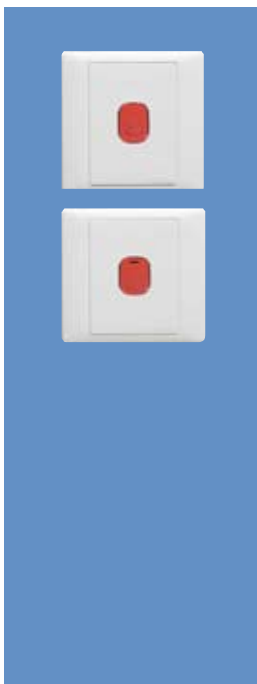
### E2031D45

45A 1 gang DP Switch

### E2031D45N

45A 1 gang DP Switch with neon

## FLUSH SWITCHES 45 AMP DP BRITISH TYPE (ROCKER SWITCH)



### E2031DR45

45A 1 gang DP Switch

### E2031DR45N

45A 1 gang DP switch with neon Switch

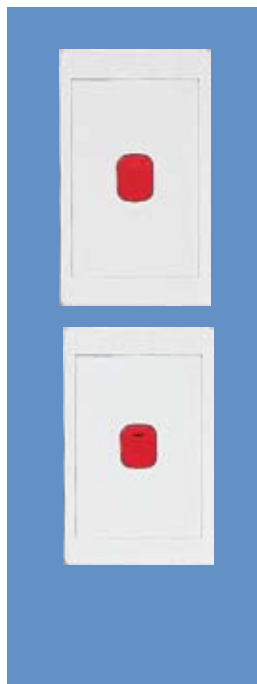
### E2031DR45N-CO

45A 1 gang DP switch with neon Marked "Cooker"

### E2031DR45N-WH

45A 1 gang DP switch with neon Marked "Water Heater"

## VERTICAL FLUSH SWITCHES 45 AMP DP



### ET2031DR45

45A 1 gang DP switch

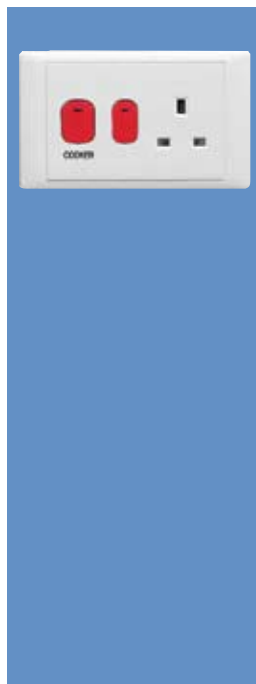
### ET2031DR45VN

45A 1 gang DP switch with neon

### ET2031DR45VN-CO

45A 1 gang DP switch with neon Marked "Cooker"

## COOKER CONTROL UNIT 45A DP & 13 AMP SWITCHED SOCKET



### ET2015DR45N

45 DP cooker switch and 13A switched socket with neon

## FLUSH SWITCHES 10 AMP PUSH BUTTON



### E2031BPRA/B

10A 1 gang bell press switch marked "Bell Symbol"

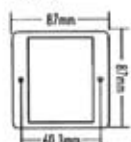
### E2031BPRA/P

10A 1 gang bell press switch marked "Press"

### E2031BPNA

10A 1 gang illuminated "Bell Press"

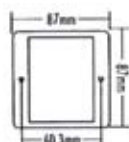
BS: 3676/BS EN: 60669



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

BS: 3676/BS EN: 60669  
BS: 4177

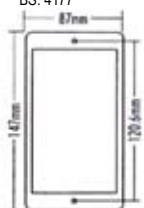


Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

\* "V" denotes Vertical align plate

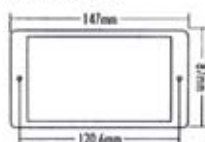
BS: 3676/BS EN: 60669  
BS: 4177



Suitable Mounting Boxes

-ET157E (0.9mm T, 35mm D)  
-ET157E HD (1.1mm T, 35mm D)  
-ET157ED HD (1.1mm T, 47mm D)  
-E2000SM-2, E238/2, ET238,  
-ET238E

BS: 4177/BS 1363



Suitable Mounting Boxes

-ET157E (0.9mm T, 35mm D)  
-ET157E HD (1.1mm T, 35mm D)  
-ET157ED HD (1.1mm T, 47mm D)  
-E2000SM-2, E238/2, ET238,  
ET238E

BS: 3676/BS EN: 60669



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E



## FLUSH SWITCHES MEGA 2000 20 AMP



### E2031LIA

10A 1 gang Intermediate switch

### E2031L1/2/20A

20A 2 gang 1 way switch

### E2031L2/3/20A

20A 1 gang 2 way switch

### E2032L1/2/20A

20A 2 gang 1 way switch

### E2032L2/3/20A

20A 2 gang 2 way switch

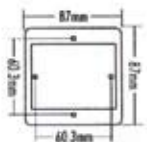
### E2033L1/2/20A

20A 3 gang 1 way switch

### E2033L2/3/20A

20A 3 gang 2 way switch

BS: 3676/BS EN: 60669



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

## FLUSH SWITCHES MEGA 2000 20 AMP WITH NEON



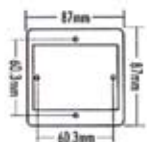
### E2031L2/20NA

20A 1 gang 2 way switch  
with neon

### E2032L2/20NA

20A 2 gang 2 way switch  
with neon

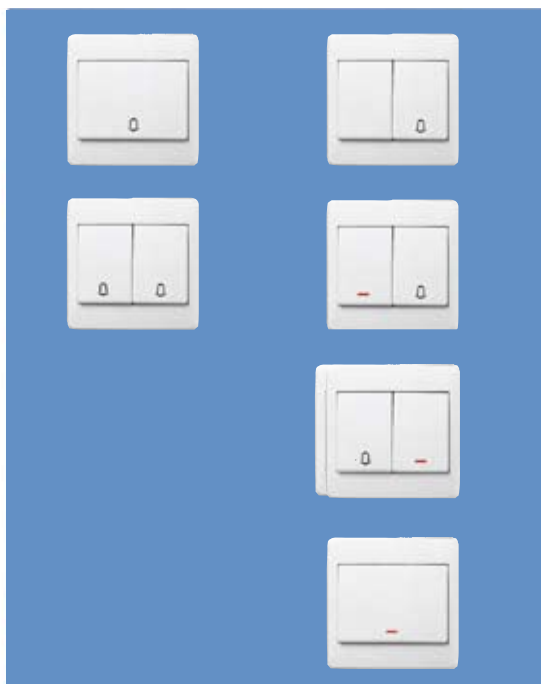
BS: 3676/BS EN: 60669



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

## BELL PRESS SWITCH MEGA 2000 10 AMP



### E2031LBPRA

10A 1 gang with bell symbol

### E2032LBPRA

10A 2 gang with bell symbol

### E2031LBPRA/P

10A 1 gang with bell press  
switch marked "Press"

### E2031LBPRA

10A 1 gang bell press  
switch without symbol

### E2032LBPRA/P

10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

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switch marked "Press"

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10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

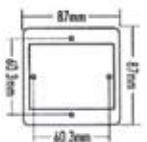
10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

10A 2 gang bell press  
switch marked "Press"

BS: 3676/BS EN: 60669



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

## FLUSH SWITCHES MEGA 2000 20 AMP DP



### E2031LD20NA

20A 1 gang DP switch with neon

### E2031LD20NA-AC

20A 2 gang DP switch with neon  
marked "Air Conditioner"

### E2031LD20NA-DW

20A 1 gang DP switch with neon  
marked "Dish Washer"

### E2031LD20NA-HD

20A 1 gang DP switch with neon  
marked "Hand Dryer"

### E2031LD20NA-WH

20A 1 gang DP switch with neon  
marked "Water Heater"

### E2031LD20NA-WM

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

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marked "Washing Machine"

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marked "Washing Machine"

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marked "Washing Machine"

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marked "Washing Machine"

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marked "Washing Machine"

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marked "Washing Machine"

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marked "Washing Machine"

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marked "Washing Machine"

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marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

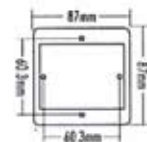
20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

20A 1 gang DP switch with neon  
marked "Washing Machine"

BS: 3676/BS EN: 60669



Suitable Mounting Boxes

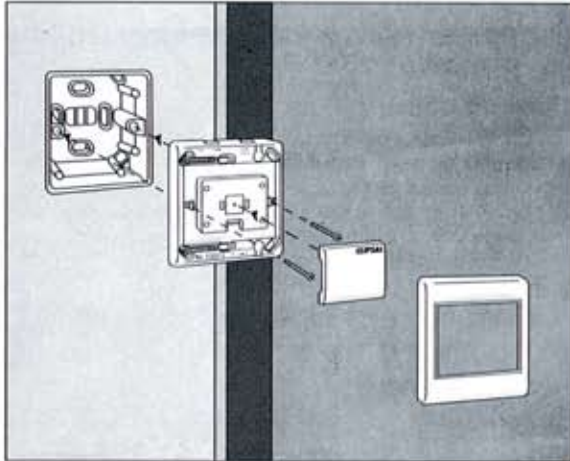
-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E



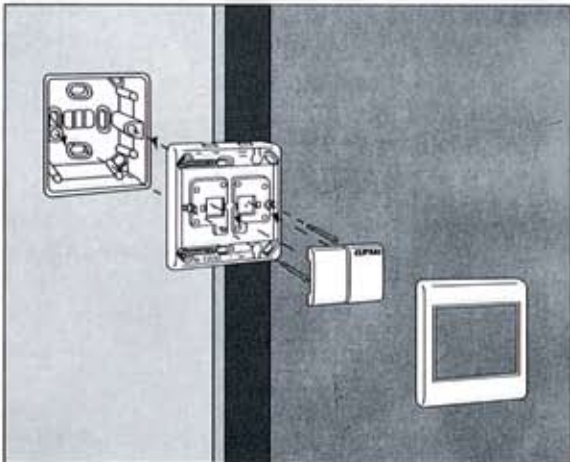
## MOUNTING INSTRUCTION

Please install the switch as indicated by the diagrams:

### One Gang

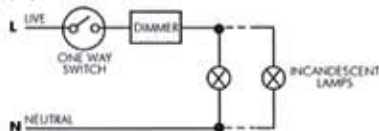


### Two Gang

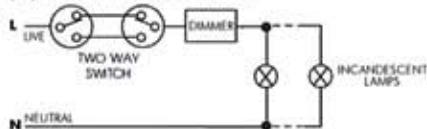


## Dimmer Wiring Diagrams

(1a) ONE WAY WIRING DIAGRAM



(1b) TWO WAY WIRING DIAGRAM



## UNIVERSAL SHAVER SOCKET OUTLETS



- Designed to BS 3535, Part 1: 1990, BS EN 60742: 1996, IEC 61558-2-5: 1998
- Rating: 400mA max.  
(internal thermister trip current),
- 115 / 240V (Choice of 2 positions), 20VA Max Load, No Load Voltage: < 275V
- Automatic primary supply switches on while insertion of a shaver plug & switches off automatically on removal
- Safety interlocked shutters to prevent insertion of 2 plugs simultaneously
- Integral Over current Device to protect Transformer
- In-built automatic resetting by a solid state overload device
- Terminals are designed for Easier & Quicker Wiring
- Terminals screws supplied 'backed out' & held captive within the terminal moulding
- Clear identification of terminal markings on back side
- Front Plate screws retained on rear case moulding
- Wall Mounted Unit
- Terminal Capacities:  
Each terminal will accommodate 1 No. of 4 sq.mm or 2 Nos. of 2.5 sq.mm cables

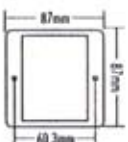
## SCHUKO SOCKETS 10/16 AMP GERMAN TYPE



### E2426/16S

10/16A 1 gang schuko socket outlet with safety shutter

BS: 5733/IEC 60884



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

## SWITCHED SOCKET OUTLETS 5 AMP



### E2015/5

5A 1 gang switched socket

### E2015/5N

5A 1 gang switched socket with neon

BS: 546



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

## SWITCHED SOCKET OUTLETS 13 AMP



### E2015

13A 1 gang switched socket

### E2015N

13A 1 gang switched socket with neon

### ET2025

13A 2 gang switched socket

### ET2025N

13A 2 gang switch with neon

### E2015L

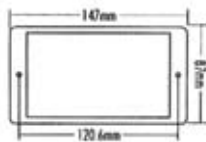
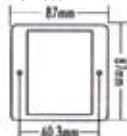
13A 1 gang mega switched socket

### E2015LN

13A 1 gang mega switched socket with neon

\*High integrity earthing (double earthing)

BS: 1363



As per BS7671, sec 607

Suitable Mounting Boxes

-ET157E (0.9mm T, 35mm D)  
-ET157E HD (1.1mm T, 35mm D)  
-ET157ED HD (1.1mm T, 47mm D)  
-E2000SM-2, E238/2, ET238,  
-ET238E

## SWITCHED SOCKET OUTLETS 15 AMP



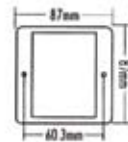
### E2015/15

15A 1 gang switched socket outlet

### E2015/15N

15A 1 gang switched socket outlet with neon

BS: 546



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

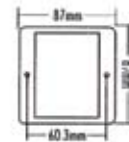
## UNIVERSAL SWITCHED SOCKET 10/16 AMP



### E2015US

10/16A 1 gang universal switched socket with safety shutter

BS: 5733/IEC 60884



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

**UNSWITCHED  
SOCKET OUTLETS  
10/16 AMP**



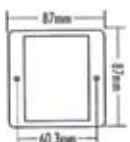
**E2426US**

10/16A 1 gang universal socket with shutter

**E2426US2**

10/16A 2 gang universal socket with shutter

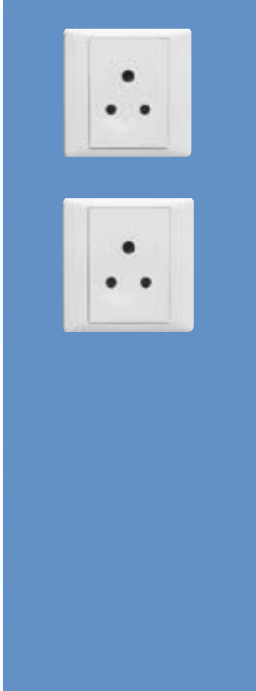
BS: 5733/IEC 60884



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

**UNSWITCHED  
SOCKET OUTLETS  
5 AMP & 15 AMP**



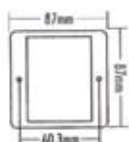
**E2426/5**

5A 1 gang unswitched socket

**E2426/15**

15A 1 gang unswitched socket

BS: 546



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

**UNSWITCHED  
SOCKET OUTLETS  
13 AMP**



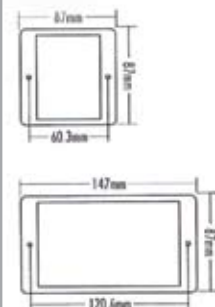
**E2426**

13A 1 gang unswitched socket

**ET2426**

13A 2 gang unswitched socket

BS: 1363



Suitable Mounting Boxes

-ET157E (0.9mm T, 35mm D)  
-ET157E HD (1.1mm T, 35mm D)  
-ET157ED HD (1.1mm T, 47mm D)  
-E2000SM-2, E238/2, ET238,  
-ET238E

**CONNECTION  
UNITS 25 AMP  
3 TERMINALS &  
BLANK PLATES**



**E2031TBA**

25A 1 gang connection with front flexible cord outlet

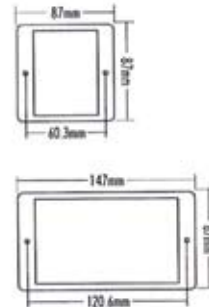
**E2030X**

1 gang blank plate

**ET2030X**

2 gang blank plate

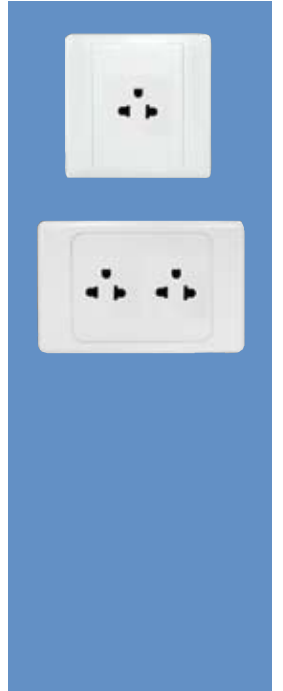
BS: 5733



Suitable Mounting Boxes

-E157E, ET157E (0.9mm T, 35mm D)  
-E157E HD, ET157E HD (1.1mm T, 35mm D)  
-E157ED HD, ET157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

**UNIVERSAL  
SOCKET OUTLET  
10/16A, 3PIN, 240V**



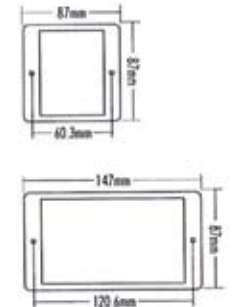
**E2426UE**

10/16A 1 gang 3pin universal socket

**E2426UE2**

10/16A 2 gang 3pin universal socket

BS: 5733



Suitable Mounting Boxes

-E157E, ET157E (0.9mm T, 35mm D)  
-E157E HD, ET157E HD (1.1mm T, 35mm D)  
-E157ED HD, ET157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E





## RCD SOCKET 30mA DP 13 AMP 240V



### E2015DRC-1

13A 1 gang with 30mA, DP RCD protected switched socket  
**ET2025DRC-1**  
13A 2 gang with 30mA, DP RCD protected switched socket

## FUSED CONNECTION UNITS 250V 13A



### E2030FSG

13A 1 gang unswitched fused connection unit

### E2030FSGN

13A 1 gang unswitched fused connection unit with neon

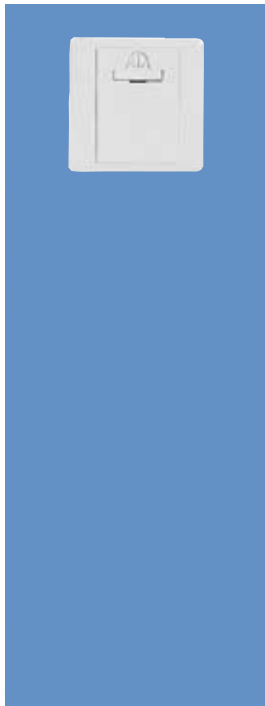
### E2031DFSG

13A 1 gang fused connection unit with DP switch

### E2031DFSGN

13A 1 gang fused connection unit with DP switch & neon

## FUSED CONNECTION UNITS MEDIUM SECURITY LOCK



### E2030FSGMS

1 gang unswitched fused connection unit

### E2030DFSGMS

1 gang DP switched fused connection unit

## FUSED CONNECTION UNITS HIGH SECURITY LOCK



### E2030FSGS

1 gang unswitched fused connection unit

### E2030NFSGS

1 gang unswitched fused connection unit with neon

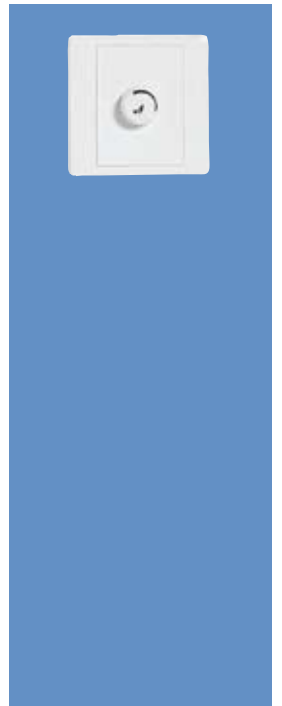
### E2031DFSGS

1 gang DP switched fused connection unit

### E2031DNFSGS

1 gang DP switched fused connection unit with neon

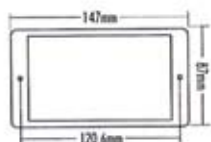
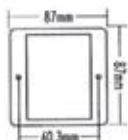
## LOW END RESISTIVE VOLUME CONTROL 1 Gang



### E2031VC1K

1k Ohm Log

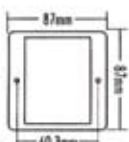
BS: 7288/BS EN 50082  
Compliance with Low Voltage  
EC Directives (73/23/EEC) (89/336/EEC)



Suitable Mounting Boxes

-E157E, ET157E (0.9mm T, 35mm D)  
-E157E HD, ET157E HD (1.1mm T, 35mm D)  
-E157ED HD, ET157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

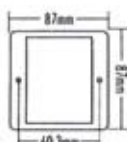
BS: 1363



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

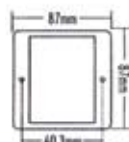
BS: 1363



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

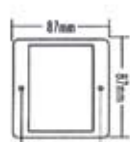
BS: 1363



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

BS: 5733



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

## TELEPHONE OUTLETS



### E2031RJ4

1 gang 6way 4wire

### E2031RJ6

1 gang 6way 6wire

### E2031RJ

1 gang plate to suit  
"Avaya" data Module

### E2032RJ

2 gang plate to suit  
"Avaya" data Module

### E2406/1M

1 gang 6pin master unit

### E2406/1S

1 gang 6pin slave unit

### E2031BTM

1 gang BT socket-master

### E2031BTS

1 gang BT socket-slave

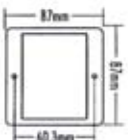
### E2031TO

1 gang with cord grip

### E2032TO

2 gang with cord grip

BS 6312/BS 5733/FCC STANDARD BT STANDARD



Suitable Mounting Boxes

- E157E (0.9mm T, 35mm D)
- E157E HD (1.1mm T, 35mm D)
- E157ED HD (1.1mm T, 47mm D)
- E2000SM-1, E238, E238E

## RJ SERIES SOCKET OUTLETS



### E2031RJ64A

1 gang 6way 4contact (RJ11)

### E2032RJ64A

2 gang 6way 4contact (RJ11)

### E2031RJ88A

1 gang 8way 8contact  
(RJ45) Cat5e

### E2032RJ88A

2 gang 8way 8contact  
(RJ45) Cat5e

### 30RJ88SMA6SH-WE

30 Mech Cat6 shuttered modular  
jack for Data (RJ45)

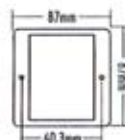
### RJ88SMA6-WE

Cat6 unshuttered modular Jack  
for Data key stone type (RJ45)

### RJ88SMA5-WE

Cat5e unshuttered modular Jack  
for Data key stone type (RJ45)

BS: 5733/BS EN 50173/  
ISO/IEC 11801/FCC 68 PT 5



Suitable Mounting Boxes

- E157E (0.9mm T, 35mm D)
- E157E HD (1.1mm T, 35mm D)
- E157ED HD (1.1mm T, 47mm D)
- E2000SM-1, E238, E238E

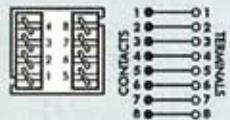
## RJ OUTLET

### Terminals:

Connectors suit copper  
conductor diameter:  
AWG 26-22 0.4-0.6mm  
Insulation diameter:  
0.7-1.4mm  
Number of equal  
diameter conductors per  
slot: 2 maximum  
Contact spring force: 3N  
Number of reterminations:  
>200  
Coupling capacitance  
between wires: <1pf  
Housing material:  
Thermoplastic polyester

### Socket:

Housing material: ABS  
Contacts: 50 microns  
hard gold plate with  
minimum 100 micron  
under plate sulphamate  
nickel.  
Contact resistance:  
10 milliohm maximum  
5 microhm minimum  
Austei approval:  
A91/831/0092



### 30RJ88SM

RJ45 Modular 8 Way 8  
Contact Socket Mechanism

## CLIPSAL DATACOMS FACE PLATES



### E2031RJKI-WE

E2000 1 gang keystone non shuttered face plate

### E2032RJKI-WE

E2000 2 gang keystone non-shuttered face plate with channel and circuit ID slot

### E2031SRJKI

E2000 Titanium 1 gang shuttered keystone face plate with channel and circuit ID slot

### E2031SRJKIGA

Single gang shuttered RJ45 key stone, Grid plate with channel and circuit ID slot without surround

### E2032RJIGA

2 gang RJ45 30 Mech grid plate with channel and circuit ID slot

### E2032SRJKI

E2000 Titanium 2 gang shuttered keystone face plate with channel and circuit ID slot

### E2032SRJKIGA

2 gang shuttered RJ45 key stone Grid plate with channel and circuit ID slot without surround

## UNIVERSAL SHAVER OUTLETS 115/240V, 20VA



### ET2727

115/240V-20VA - Vertical

### ET2727H

115/240V-20VA - Horizontal

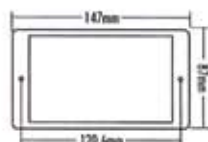
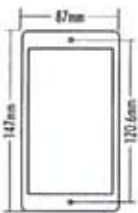
### ET2727NL

Shaver socket with neon without logo

All units provided with thermal cut-off

No Load Voltage <275V

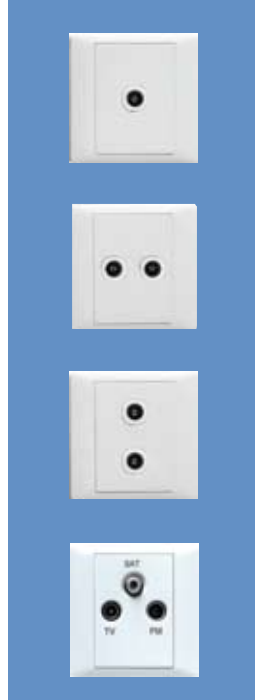
BS: 3535/BS EN 60742/  
BS EN 61558-2-5



Suitable Mounting Boxes

-E157E, ET157E (0.9mm T, 35mm D)  
-E157E HD, ET157E HD (1.1mm T, 35mm D)  
-E157ED HD, ET157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

## TV ANTENNA OUTLET 75 OHM



### E2031TV

1 gang TV socket

### E2032TV

2 gang TV socket

### E2032VTV

2 gang TV Vertical socket

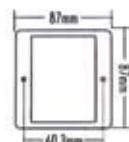
### E2032TVSF

2 gang TV & Antenna socket

### E2033SMATV

TV, FM & Satellite Connector

BS: 3041/BS: 5733/IEC 169-2  
BS EN 50083



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

\* "V" denotes Vertical align plate

## TV/FM CO-AXIAL OUTLETS 75 OHM



### E2032TVFM

2 gang TV/FM Splitter

### E2032VTVFM

2 gang TV/FM Splitter - Vertical

### E2032TVFM2

2 gang TV/FM Splitter for multi-outlet system with 2 cord grip

### E2032VTVFM2

2 gang TV/FM Splitter for multi-outlet system with 2 cord grip - Vertical

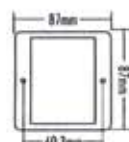
### E2032VTVFMS

2 gang TV/FM Splitter screw fixing

### E2031AOSP

1 gang audio outlet

BS: 3041/BS: 5733/IEC 169-2  
BS EN 50083



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

\* "V" denotes Vertical align plate

## F-TYPE CONNECTORS 75 OHM



### E2031TVF

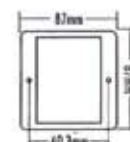
1 gang TV "F" type connector

### E2032VTVF

2 gang TV "F" type connector

### E2032VTVSF

2 gang TV Vertical "F" type connector



Suitable Mounting Boxes

-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E

\* "V" denotes Vertical align plate



**CARD KEY  
SWITCH  
16 AMP 230V**



**E2031EKT**

16A 1 gang double pole card key switch, 230V 50Hz

**E2031EKTH**

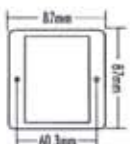
16A 1 gang double pole card key switch, 230V 50Hz  
Suit Standard Credit Card Size

**E2031EKT-KC**

Plastic key card  
(used with E2031EKT)

16 230V 50Hz

IEC60669-2-1



Suitable Mounting Boxes

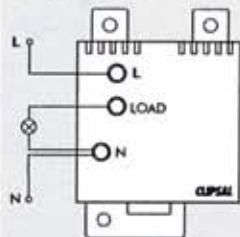
- E157E (0.9mm T, 35mm D)
- E157E HD (1.1mm T, 35mm D)
- E157ED HD (1.1mm T, 47mm D)
- E2000SM-1, E238, E238E

\*"H" denotes Horizontal align plate

**TECHNICAL  
SPECIFICATION**

**E2031EKT &  
E2031EKTH**  
Specifications  
Voltage : 250Vac

**Wiring Diagram**



**BELL PUSH  
MESSAGE  
INDICATORS  
10 AMP**



**E2031BPD**

10A 1 gang bell push with message

**E2031BPM**

10A 1 gang bell push with message, 230V 50Hz

**E2032VDM**

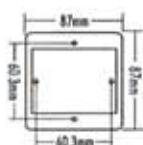
& message, 230V 50Hz

**E2032DMH**

& message, 230V 50Hz

**E2033LBPD**

Entrance Bell Press & Message, 230V 50Hz



BS: 5733

IEC60669-2-1



Suitable Mounting Boxes

- E157E (0.9mm T, 35mm D)
- E157E HD (1.1mm T, 35mm D)
- E157ED HD (1.1mm T, 47mm D)
- E2000SM-1, E238, E238E

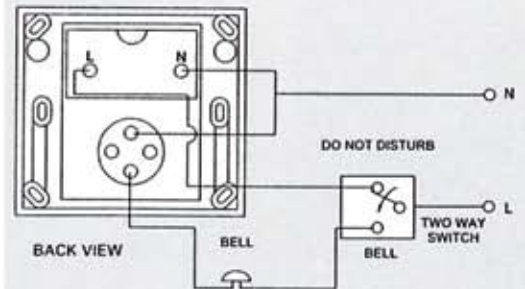
\* "H" denotes Horizontal Align plate

**TECHNICAL SPECIFICATION**

**E2031BPD**

Specifications  
Voltage : 250Vac  
Max. Current : 15A

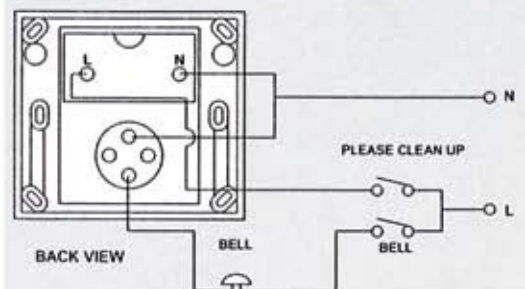
**Wiring Diagram**



**E2031BPM**

Specifications  
Voltage : 250Vac  
Max. Current : 15A

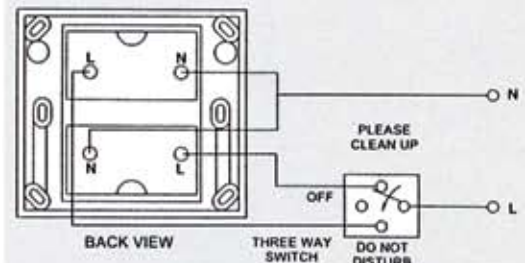
**Wiring Diagram**



**E2032VDM & E2032DMH**

Specifications  
Voltage : 250Vac

**Wiring Diagram**

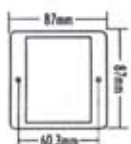


## LIGHT DIMMER 500VA 2WAY



**E2032V500**  
500VA 1 gang dimmer  
**E2034V500**  
500VA 2 gang dimmer  
**ET2036V500**  
3 gang light dimmer

BS: 5518/BS EN 60669-2-11/BS EN 55015



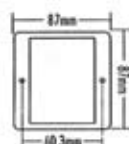
Suitable Mounting Boxes  
-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E  
\* "V" denotes Vertical align plate

## FAN CONTROLLER 400VA 2WAY



**E2032V400F**  
400VA 1 gang 2 way  
fan controller  
**E2034V400F**  
400VA 2 gang 2 way  
fan controller

BS: 3955/BS5518



Suitable Mounting Boxes  
-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E  
\* "V" denotes Vertical align plate

## FAN CONTROLLER

Clipsal Fan Controllers are solid state units, designed to provide smooth speed variations from "full" to "slow" on most fans.

Rated 220/250V a.c. 50/60Hz, two individual models are available.

E32V400 primary for ceiling sweep fans.

E32V400F primary for exhaust fans.

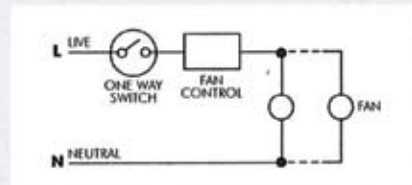
Fan speed can be dialed to suit any condition. Full speed for efficient exhaust of stale air or steam in kitchens and bathrooms. Or, dialled down low for constant, quiet circulation and change of fresh air.

### Multiple Loads

Any number of fans may be connected in parallel up to the maximum total loading of 1.6A(400VA). Only similar types of fans should be connected in parallel to minimise the possibility of resultant variable speeds.

### Installation

Clipsal Fan Speed Controllers are connected as illustrated in the diagram below.



## LIGHT DIMMER

### For Incandescent and Fluorescent loads. 500VA Max.

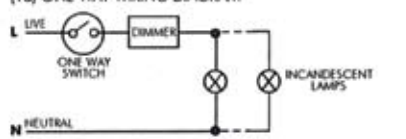
The Clipsal Dimmer Switch provides full control over the brightness of lighting. The same bright lights used for reading or normal family and business activity can be diffused to a soft candle glow.

The Dimmer operates on 200/250 Volt a.c. 50/60Hz supply and will control up to 500VA of fluorescent or incandescent lamps (or a combination of both).

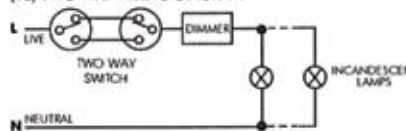
Usual range of Clipsal colours is available.

### Dimmer Wiring Diagrams

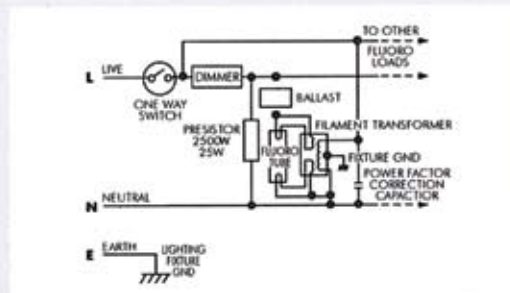
(1a) ONE WAY WIRING DIAGRAM



(1b) TWO WAY WIRING DIAGRAM



If 2 way circuit required remove unmarked terminal and replace with terminal marked "L". Terminal with silver contact is repositioned in unmarked terminal pocket.



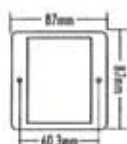


**HIGH POWER  
DIMMER  
EMC COMPLIANT**



- E2031V1000**  
1 gang 1000W Light Dimmer  
**E2032V1000**  
2 gang 1000W Light Dimmer  
(3"x6" size)  
**E2032V1800**  
2 gang 1800W Light Dimmer  
**E2032V2400**  
2 gang 2400W Light Dimmer

BS: 3955



Suitable Mounting Boxes  
-E157E (0.9mm T, 35mm D)  
-E157E HD (1.1mm T, 35mm D)  
-E157ED HD (1.1mm T, 47mm D)  
-E2000SM-1, E238, E238E  
\* "V" denotes Vertical align plate

**HIGH POWER DIMMERS**

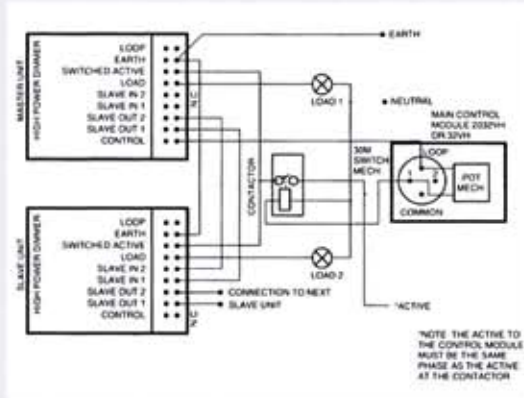
**High Power Dimmers**

Clipsal high power dimmers give the user full control of lighting in the domestic and commercial environment with a power rating not previously available in Clipsal range of dimmers. The models control loads as rated below:

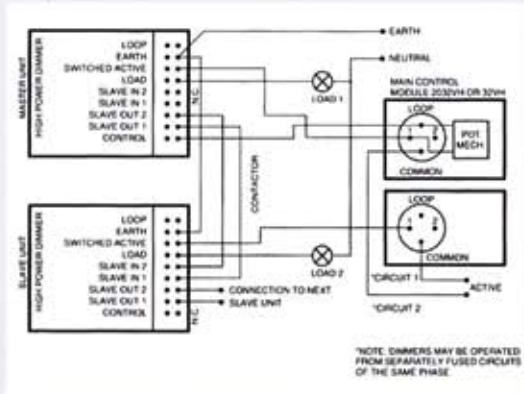
32/1800: 40VA to 1800VA  
32/2400: 40VA to 2400VA

Each unit has incorporated into it a new facility which can allow units to be strung together in a master-slave configuration, enabling larger loads to be controlled by a single high power dimmer controller mechanism (potentiometer and switch fits to any standard two gang mounting pattern. When stacking units for this master-slave configuration, it must be noted that each dimmer must be on the same phase and also that the switched active, if switched via a standard switch mechanism is not overloaded. If the switch is overloaded, alternative wiring can be used, using a contactor or a separate switch. (See Figure 3 and Figure 4).

**Figure 3 Master-Slave Configuration using a Contactor to Switch Active**



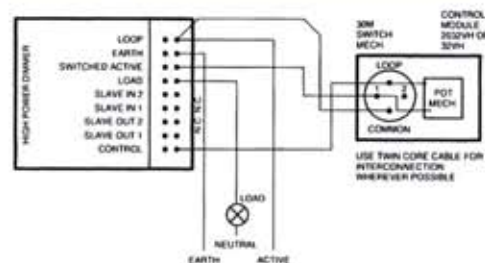
**Figure 4 Master-Slave Configuration using a Second Switch**



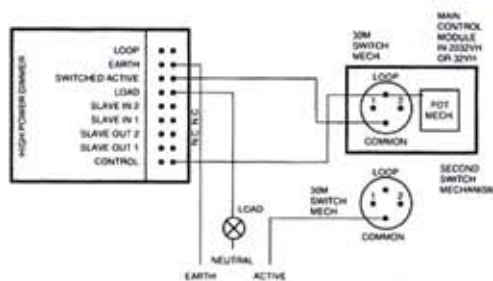
When operating in master-slave mode, the slave unit does not have any connection to the control terminal and the minimum brightness adjustment is controlled via the trim pot available in the master's control mechanism. If independent control of the slave is wanted then at least one of the master-slave connections must be broken and a second high power dimmer control mechanism must be wired in.

In normal operation the unit is wired in one of the options shown in either Figure 1 or Figure 2 (Figure 2 shows the basic wiring in two way switching application).

**Figure 1 Basic Wiring Diagram**



**Figure 2 Two Way Switching Option**



**Specifications**

**Physical Dimensions:**

Dimmer: 248mm x 150mm x 55mm  
Remote control pot: 50mm x 22mm x 22mm  
Catalogue Number 30POT Series  
(Fits Standard 30 Series Apertures).  
Voltage Rating: 240V (Operating range: 216V to 264V)

**Current Rating:**

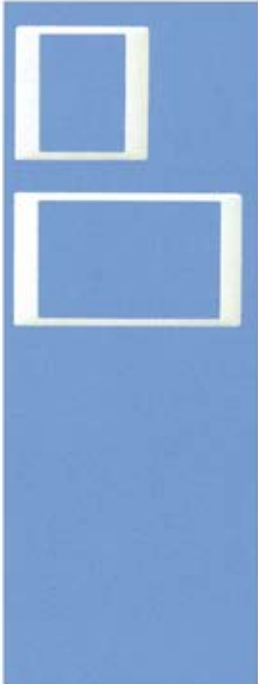
Maximum Load:  
E2032V2400 10A (2400VA) 1 to 0.6PF (lagging) - max. ambient 50°C  
E2032V1800 7.5A (1800VA) 1 to 0.6PF (lagging) - max. ambient 50°C  
Minimum Load: (all models) 0.17A (40VA).  
Maximum half cycle surge: (all models) 250A rms  
1 t withstand: (all models) 360A sec.  
Compatible with low voltage lighting transformers.

**THERMAL CUT-OUT**

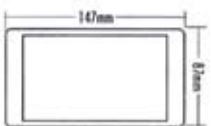
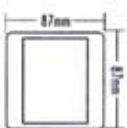
Dimmer will reduce maximum brightness if temperature Inside enclosure exceeds 60°C.



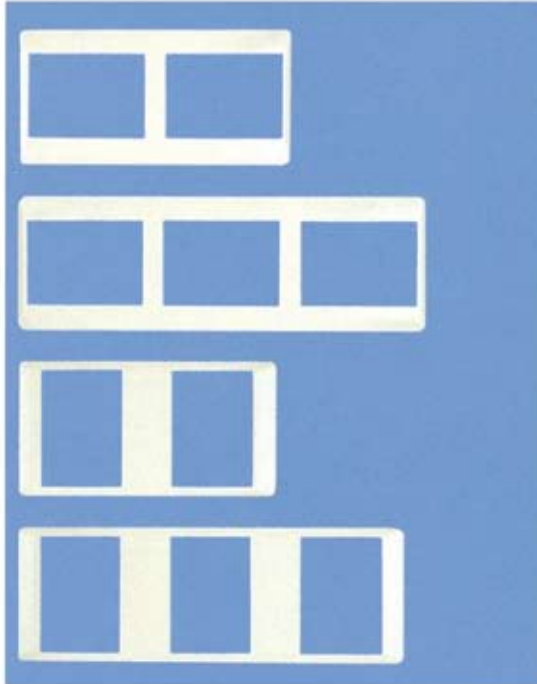
## VANDAL-PROOF SURROUND



**E2000S**  
1 gang  
**ET2000S**  
2 gang



## MULTI-GANG SURROUND



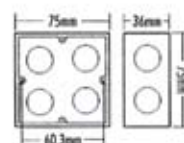
**E2000V2**  
2 gang module vertical  
**E2000V2-1**  
2 gang surround vertical less mounting tool  
**E2000V2-3**  
Mounting spacer for E2000V2  
**E2000V2-CM**  
2 gang module vertical, cream  
**E2000V3**  
3 gang module vertical  
**E2000/2-WE**  
2 gang module horizontal  
**E2000/3-WE**  
3 gang module horizontal

Suitable to mount:  
E2000/2 & E2000/3-Suits Mega in Horizontal Orientation  
E2000 in Vertical orientation  
E2000V2 & E2000V3-Suits Mega in Vertical Orientation  
E2000 in Horizontal orientation

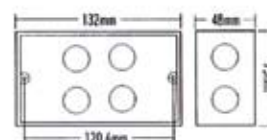
## METAL FLUSH MOUNTING BOXES



**E157**  
1 gang  
**E157E**  
1 gang with earth  
3"x3", 0.9mm thick,  
35mm deep GI box  
**ET157DE**  
2 gang deep with earth  
**E157C20**  
20mm wall box coupler  
**E157E HD**  
3"x3", 1.1mm thick,  
35mm deep GI box  
**ET157E HD**  
3"x6", 1.1mm thick,  
35mm deep GI box  
**E157ED HD**  
3"x3", 1.1mm thick,  
47mm deep GI box  
**ET157ED HD**  
3"x6", 1.1mm thick,  
47mm deep GI box



BS: 4662

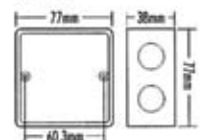


## SURFACE MOUNTING BOXES



**E257**  
1 gang  
**E257E**  
1 gang with earth  
**ET257DE**  
2 gang deep with earth  
**E157E**  
3"x3", 0.9mm thick, 35mm  
deep GI box  
**ET157E**  
3"x6", 0.9mm thick, 35mm  
deep GI box  
**E288**  
1 gang surface box  
**E238/2**  
2 single gang surface box  
**E238E**  
1 gang with earth, surface box  
**ET238E**  
2 gang surface box  
**ET238/2E**  
2 single gang with earth,  
surface box  
**ET238E**  
2 gang with earth, surface box

BS: 4662





## TECHNICAL DATA SHEET – E2033SMATV

### E2000 SERIES TV FM SAT WALL SOCKET



**E2033SMATV, WE**  
Grid 3G Triplex SAT TV FM

**E2033SMATVL, WE**  
Grid 3G Triplex SAT TV FM Loop

### TECHNICAL SPECIFICATION

Model : Triplexer, Loop-Through Type

Description		Freq. Range(MHz)	1504SMATV
Insertion Loss	IN - FM	87.5 ~ 125	11 ± 2.0 dB
	IN - TV	40 ~ 70	11 ± 1.5 dB
		174 ~ 800	11 ± 1.5 dB
		800 ~ 862	12.5 ± 1.5 dB
	IN - SAT	950 ~ 2150	12 ± 2.0 dB
Isolation (dB) (min)		2150 ~ 2400	12.5 ± 2.5
	OUT - FM	88 ~ 125	22
	OUT - TV	40 ~ 862	20
	OUT - SAT	950 ~ 2400	16
	TV - FM	88 ~ 125	20
	TV - SAT	40 ~ 2400	6
Return Loss (dB)min	FM - SAT	40 ~ 860	22
	IN	40 ~ 2400	5
	FM	87.5 ~ 125	8
	TV	40 ~ 862	5
Connectors	SAT	950 ~ 2400	5
	RADIO	"IEC" Female	
	TV	"IEC" Male	
	SAT	"F" Female	
Impedance		75 Ohm	
Dimension (with connectors)		70(L)x67.6(W).36(H)mm	
Weight		0.11 Kg	
Housing (with EMI shielding)		Zinc alloy die-casting with zinc plated	

Model : Triplexer, Terminal Type with Power Passing

Description		Freq. Range(MHz)	1504SMATV
Insertion Loss	IN - FM	88 ~ 125	2 ± 1.5 dB
	IN - TV	40 ~ 70	1 ± 1.5 dB
		174 ~ 862	2 ± 1.5 dB
		950 ~ 2150	2 ± 1.5 dB
		2150 ~ 2400	2 ± 1.5
Isolation	TV - FM	88 ~ 108	20 dB min
	TV - SAT	40 ~ 2400	6 dB min
	FM - SAT	40 ~ 860	30 dB min
	IN	40 ~ 2400	5 dB min
Return Loss (dB)min	FM	87.5 ~ 125	8 dB min
	TV	40 ~ 862	5 dB min
	SAT	950 ~ 2400	5 dB min
	RADIO	"IEC" Female	
Connectors	TV	"IEC" Male	
	SAT	"F" Female	
Impedance		75 Ohm	
Dimension (with connectors)		70(L)x67.6(W).36(H)mm	
Weight		0.11 Kg	
Housing (with EMI shielding)		Zinc alloy die-casting with zinc plated	

### Description

This is a TV, FM and Satellite TV Socket Outlet in E2000 format. Including two models as below :

- With single input cable & looping facility (MX-600-10)
- With single input cable & w/out looping facility (MX-600)

### Features

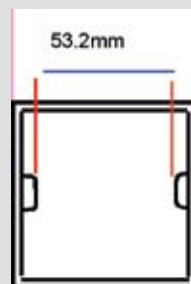
- Built-in diplexers to separate FM, TV and satellite I.F. bands
- 3 output ports dedicated for FM, TV and satellite signals
- Single coaxial cable conveys TV/FM/SAT signals
- RFI shielding zinc alloy die-casting case integrated with connectors
- Solder less clamp terminal
- Size : 87mm (L) x 87mm (W) x 33.2mm (H)
- Load types & ratings : 75 ohm
- UV rating : No exposure to direct radiation from sunlight
- Box standard/non standard : BS4662 : 1970
- Box size/depth : >=30mm surface mounting  
>=35mm for flush mounting
- Cable sizes/no of cable : Std TV cables/Two
- Operating Temperature : -5~40 deg C
- Humidity : 0-95%RH

With single input cable & looping facility

- 3 different tap values available for loop-through distribution

### Installation instruction

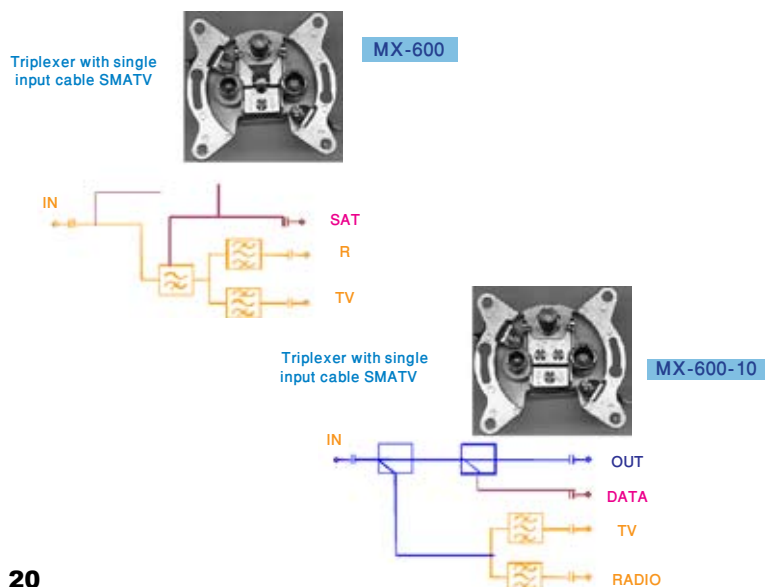
- The installations must be carry out by competent certified satellite installers and consultants specialized in these field.
- Clipsal will not be legally liable should any anomaly arise as a result of wrong application or usage. It is strongly recommended that the right SMATV Outlet is used for the appropriate application.
- The contactor shall used the mounting box as per below detail.



### Main Application

- MX-600-10 : Triplexer with looping, Suitable for houses, condominium & apartment with single incoming mixer coaxial cable for TV/FM/SAT inputs, with looping facility.
- MX-600 : Triplexer Terminal type, Suitable for houses, condominium & apartment with single incoming mixer coaxial cable for TV/FM/SAT inputs

### WIRING DIAGRAM





# NOTES



## Schneider Electric Saudi Arabia

	Head Office	Riyadh Branch	Jeddah Branch	Al-Khobar Branch	Al-Madinah Office	Yanbu Office	Qassim Office
Address	PO Box 89249 Riyadh 11682	PO Box 89249 Riyadh 11682	PO Box 118132 Jeddah 21312	PO Box 3789 Al-Khobar 31952	Tel. 04 827 5005 Fax: 04 822 3656	Tel. 04 393 1193 Fax: 04 392 6602	Tel. 06 326 2354 Fax: 06 327 0548
tel.	01 265 1515	01 291 2877	02 697 7723	03 896 0910	<b>Abha/Khamis Office</b> Tel. 07 220 1518	<b>Tabuk Office</b> Tel. 04 424 5933	
fax	01 265 1860	01 472 5335	02 697 3308	03 896 0820	Fax: 07 237 1917	Fax: 04 424 1633	