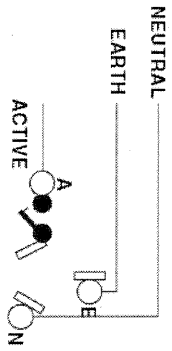
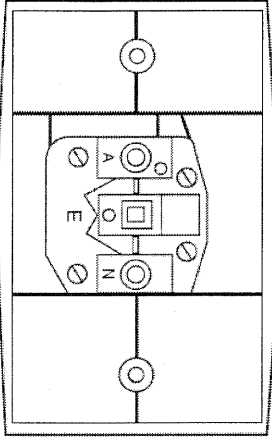
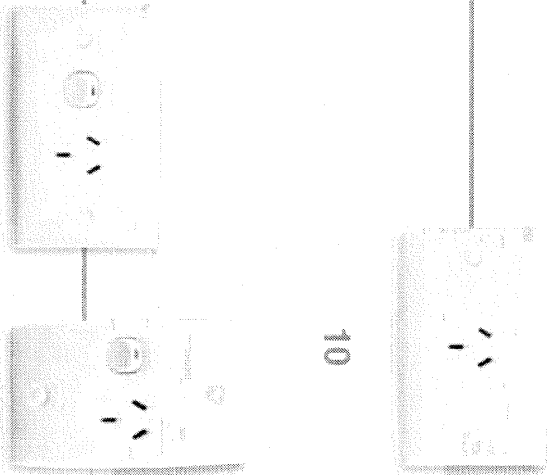


SCHEMATIC WIRING DIAGRAMS (Continued)

Automatic Socket

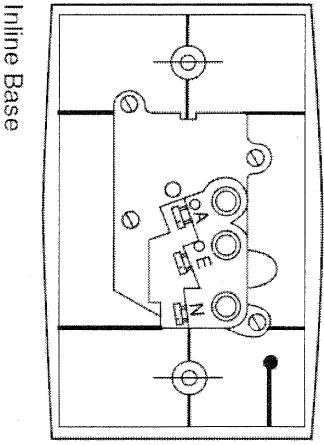


Standard Pattern Mounting,
Single Gang

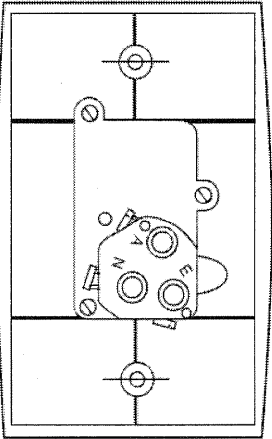


15
15/2

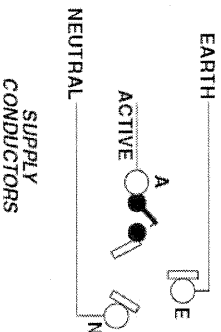
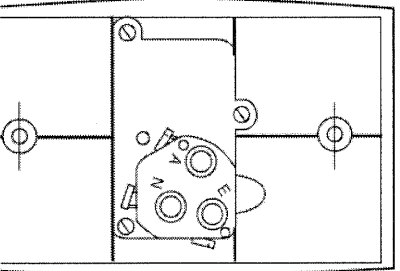
15V



Inline Base



Round Base



Hi Danny,
The image above shows detail of the wiring for automatic sockets. The Red is the active wire, the black is neutral and the green is the earth.
The strip length for the cable is 12mm and the stranded conductors can be twisted and placed into the terminals prior to tightening the screws.
The screw torque should meet 1.2Nm for the thread diameter as per the attached table.

Kind Regards,

Mark Pudney
Snr Product Designer
Product Engineering



12 Park Tee
BOWDEN SA 5007
Telephone +61 8 8269 0511 (Ext. 6922)
Facsimile +61 8 8346 7872
mark.pudney@clipsal.com.au



This email and any attached files with it (this communication) are confidential and are intended solely for the use of the addressee. The unauthorized use, dissemination, forwarding, printing or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by reply email and delete this communication. Any views expressed in this communication are those of the individual sender, except where the sender specifically states them to be the views of Clipsal Australia Pty Ltd.

Gary Busbridge/AUSchneider

10/10/2007 05:56 PM

To: peter.stirling@AUSchneider@AsiaPacific
cc: Mark Pudney/AUSchneider@AsiaPacific
Subject: Re: Fw: Wiring Instructions [Link](#)

Shifts
What wiring instructions they need the terminals are marked and the wire strip length is on the product. Torque requirements are per Aust Std. If they really need something then ask Mark Pudney for some help. I will be away for 2 weeks
See ya
Buzz

peter.stirling@AUSchneider

10/10/2007 12:22 PM

To: Kayleen Buslow/AUSchneider@AsiaPacific, Gary Busbridge/AUSchneider@AsiaPacific
cc:
Subject: Re: Fw: Wiring Instructions [Link](#)

Hi Kayleen,

We don't have a "Wiring Instruction" as such for these items, however, I suggest Gary may be able to provide some generic info which may suffice.

Cheers,

Peter Stirling
Manufacturing Special Projects Manager
Clipsal Australia Pty. Ltd.
12 Park Terrace Bowden
South Australia 5007
Telephone +61 8 8269 0511
Facsimile +61 8 8346 3223
Mobile 0417 829 121
e-mail: peter.stirling@clipsal.com.au

10/12/2007

The socket-outlet and plug shall be mounted so that the withdrawal movement is in an approximately horizontal direction, and the earthing pin, if any, is at the lowest point.

An appropriate type of plug, complying with this Standard and having a rating corresponding to that of the socket-outlet, shall be used for this test. During the test, no sustained arcing shall occur.

After the test, the samples shall show no damage impairing their further use and the entry holes for the pins shall show no damage that may impair the safety of the socket-outlets.

3.14.5 Test of temperature rise

Socket-outlets shall be tested using a test plug with brass pins having the specified dimensions of Figure 2.1.

The plug shall be inserted into the socket-outlet and 1.1 times rated current shall be passed until a constant temperature has been attained.

The temperature shall be determined by means that have a negligible effect on the temperature

being determined. For multi-outlet socket-outlet units, the test shall be conducted on one outlet of each type, the outlet(s) not under test being maintained in a no-load condition.

For the purpose of this test, the connecting cables shall be unsheathed Type V75 cables, the size of which shall be determined from Table 3.4.

Plugs shall have at least 1 m of cable and socket-outlets shall have at least 2.5 m of cable. The cables shall be stripped to the minimum length required to effect the intended connection of the socket-outlet.

The socket-outlet shall be mounted in an appropriate metal wall box installed in a draught-free

position, and the cables supplying the socket-outlet shall be enclosed for a distance of 1 m in conduit terminated at the wall box.

The terminal screws or nuts shall be tightened with a torque equal to two-thirds of that specified in the test for screw threads and fixings in AS/NZS 3100.

NOTE: An appropriate metal wall box is described in Clause 3.14.1.

The temperature rise of any terminal or contact shall not exceed 45 K.

For the purpose of this test, the ambient temperature shall be maintained at $20 \pm 5^\circ\text{C}$. resistance measured shall be not less than $5 \text{ M}\Omega$.

3.14.7 Test of earthing connection

The resistance between the earthing terminal of any socket-outlet provided with an earthing contact and the earthing terminal of the plug used for testing shall be of a low resistance.

The earthing connections shall be tested in accordance with AS/NZS 3100.

A1 Licensed to Les Blaszczyk on 09 May 2007. For Committee EL-004 use only

AS NZS 3100

Table 8.7 - Test values for screw torque test

Nominal diameter of screw, mm	Torque*, Nm	
≤ 2.8	0.2	0.4
$> 2.8 \leq 3.0$	0.25	0.5

> 3.0	≤3.2	0.3	0.6
> 3.2	≤3.6	0.4	0.8
> 3.6	≤4.1	0.7	1.2
> 4.1	≤4.7	0.8	1.8
> 4.7	≤5.3	0.8	2.0
> 5.3	≤6.0	—	2.5

* Column 2 applies to screws without heads where the screw does not protrude above its
fi w htened; Column other screws.