

FRONT VIEW

SIDE VIEW

SCHEMATIC DIAGRAM
REFER MANUFACTURER NOTES

NOTES

STOCK CODE 123703

BATTERY VOLTS
DANGER UNDER 18 VOLTS
DETAIL A - ITEM 8a

BATTERY VOLTS
DANGER UNDER 27 VOLTS
DETAIL B - ITEM 8b

MANUFACTURER

INSTALLATION

- A. ENSURE WHEN EQUIPMENT AND INTERNAL WIRING IS MOUNTED ON BATTERY TEST BOX THAT EXTERNAL CONNECTION OF DC SUPPLY IS POSSIBLE FROM THE SIDES, BOTTOM OR REAR.
- B. INCOMING BATTERY BUS WIRING OR CABLING TO BE PER CABLE SCHEDULE. INTERNAL WIRING TO THE VOLTMETER & TEST PUSH BUTTON MAY BE MINIMUM 1.5mm² FLEXIBLE PVC CABLE OR PVC WIRE.
- C. SUPPLY AND FIX ALL LABELS IN POSITIONS SHOWN EXCEPT FOR ITEMS 8a AND 8b WHICH ARE TO BE LEFT LOOSE INSIDE THE BOX. IEC SOCKET CONNECTIONS ARE TO BE SOLDERED.
- D.

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH NS 114 AND RELEVANT SUBSTATION CABLING DIAGRAM AND SCHEDULE.
2. THE BATTERY TEST BOX SHALL BE CONNECTED TO THE END OF THE DC CIRCUIT REMOTE FROM THE TRIPPING BATTERY AS SHOWN ON THE SUBSTATION CABLING DIAGRAM.
3. THE BATTERY TEST BOX IS TO BE MOUNTED ON A WALL ADJACENT TO THE SUBSTATION PERSONNEL ACCESS DOOR. IT SHALL BE READILY VISIBLE AND ACCESSIBLE.
4. A SUITABLE CABLE ENTRY HOLE IS TO BE DRILLED ON SITE INTO THE BASE OF THE BOX TO SUIT THE TYPE OF MOUNTING AND DIRECTION OF CABLE ENTRY.
5. EITHER ITEM 8a OR 8b IS TO BE FIXED IN POSITION SHOWN ON SITE TO SUIT PROTECTION BATTERY VOLTAGE. THE LABEL IS NOT TO COVER THE METER ADJUSTMENT SCREW.

MATERIAL LIST

ITEM	DESCRIPTION	QTY	MATERIAL	REMARKS
1	ENCLOSURE - 180 H x 80 W x 65 D	1	TRF TRADE FORCE TRFEZIBOX4	SEE NOTE A
2	0 - 40 V DC METER	1	UNIVERSITY UNIDEMC670-40VDC-BU	
3	φ22 RED PUSHBUTTON WITH N/O CONTACT	1	SCHNEIDER S-EZB5AA4	
		1	SCHNEIDER S-EZB5AZ102	
4	10A, FEMALE IEC PANEL MOUNT SOCKET	1	JAYCAR PART NO. PS4002 OR SIMILAR	
5	LABEL - 20mm x 7mm WITH 3.5mm BLACK LETTERING	1	SELF ADHESIVE WHITE TRAFFOLYTE	
6	LABEL - 20mm x 7mm WITH 3.5mm BLACK LETTERING	1	SELF ADHESIVE WHITE TRAFFOLYTE	
7	LABEL - 20mm x 7mm WITH 3.5mm BLACK LETTERING	1	SELF ADHESIVE WHITE TRAFFOLYTE	
8a	LABEL - 50mm x 15mm WITH 3.5mm BLACK LETTERING	1	SELF ADHESIVE WHITE TRAFFOLYTE	SEE DETAIL A
8b	LABEL - 50mm x 15mm WITH 3.5mm BLACK LETTERING	1	SELF ADHESIVE WHITE TRAFFOLYTE	SEE DETAIL B

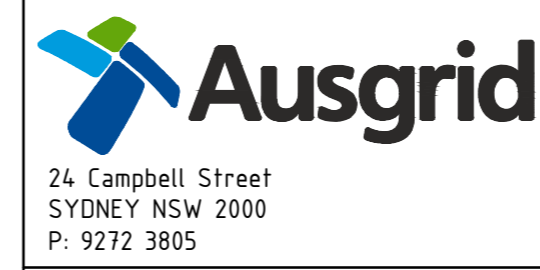
CAD DRAWING
DO NOT MANUALLY AMEND
A M E N D M E N T S

11. REDRAWN IN AUTOCAD.
FLAT 3 PIN SOCKET
REPLACED BY SOCKET WITH
ONE ROUND PIN.
BOX DESIGN UPDATED
STOCK CODE ADDED.
INSTALLATION NOTES
ADDED:
PN: PM02-02010-1-5-1
C.MABBUTT 7.5.12
P.JARVIS
APPROVED: P.TURRIN

12. ITEMS 1, 2 & 3 ALTERED IN
LINE WITH SUPPLY CONTRACT.
INSTALLATION NOTES
ALTERED TO ALIGN WITH
NS114.
PN: OPEX 6568-1-2-4
P.JARVIS 7.9.16
CHECKED: C.MABBUTT
APPROVED: P.TURRIN

13. BORDER & TITLE BLOCK
UPDATED.
REF. REVISION CLOUDS IN RED.
WHEN COLOUR PRINTED:
AMENDED LABEL LAYOUT.
ADDED TEXT & TERMINAL
MARKINGS FOR SOCKET ON
SCHEMATIC. AMENDED
MANUFACTURER NOTE B &
ADDED NOTE D. AMENDED
PART NUMBER & ADDED
OPTION.
L.MARTINUZZI 10-02-2020
CHECKED: M.BENNETT
APPROVED: M.BENNETT

14. REF. REVISION CLOUDS IN
RED WHEN COLOUR PRINTED.
AMENDED MANUFACTURER
NOTE B. REMOVED CSA SIZE
OF INCOMING SUPPLY.
L.MARTINUZZI 02-08-2023
CHECKED: M.BENNETT
APPROVED: M.BENNETT



SCALE	1:1
DESIGNED	-
DRAWN	DJO
CHECKED	SP
APPROVED	JH
DATE	20/01/1989
TRIM REF	-

**TRIPPING BATTERY TEST BOX
ASSEMBLY & WIRING DETAILS**

ISSUED FOR
CONSTRUCTION

PROJECT NUMBER	22873
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SIZE	DRAWING No	SHEET	AMD
A2	22212	1	14