



WALL MOUNTED PANEL (MARK 1)
TERMINAL LAYOUT FRONT VIEW

WALL MOUNTED PANEL (MARK 1)
DOOR LAYOUT FRONT VIEW

WALL MOUNTED PANEL (MARK 1)
DOOR LAYOUT FRONT VIEW
DUAL PANEL VERSION

LABEL DETAILS FOR CUSTOMER OC No.1 PANEL						
LABEL	LABEL SIZE	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	No OFF
1	C8	GRAVOPLY No 200 WHITE/BLACK	LINE 1	8	CUSTOMER OVERCURRENT No.1	1
2	C7	GRAVOPLY No 200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	OVERCURRENT & EARTH FAULT RELAY	1
3	C3	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	10A 1A 30V 'A' MASTER BATT LINKS	1
4	C3	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	FS1 1B 48V & 30V 'B' MASTER BATT FUSE & LINK	1
5	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 1 TRIP LINK ON TX No.1 PANEL 21Aa	1
6	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 2 TRIP LINK ON TX No.2 PANEL 21Ba	1
7	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 3 TRIP LINK ON TX No.3 PANEL 21Ca	1
8	C11	GRAVOPLY No 259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	Nr A B C N CUSTOMER OC & EF No.1 CT TEST LINKS	1

LABEL DETAILS FOR CUSTOMER OC No.2 PANEL						
LABEL	LABEL SIZE	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	No OFF
1	C8	GRAVOPLY No 200 WHITE/BLACK	LINE 1	8	CUSTOMER OVERCURRENT No.2	1
2	C7	GRAVOPLY No 200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	OVERCURRENT & EARTH FAULT RELAY	1
3	C3	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	10A 1A 30V 'A' MASTER BATT LINKS	1
4	C3	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	FS1 1B 48V & 30V 'B' MASTER BATT FUSE & LINK	1
5	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 1 TRIP LINK ON TX No.1 PANEL 22Aa	1
6	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 2 TRIP LINK ON TX No.2 PANEL 22Ba	1
7	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 3 TRIP LINK ON TX No.3 PANEL 22Ca	1
8	C11	GRAVOPLY No 259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	Nr A B C N CUSTOMER OC & EF No.2 CT TEST LINKS	1

NOTES

- THIS DRAWING SHOWS THE CUSTOMER SUPPLY OVERCURRENT PROTECTION PANEL LAYOUT FOR SUBURBAN DISTRIBUTION SUBSTATIONS WHICH HAVE OPTICAL ARC FLASH DETECTION INSTALLED.
- ALL PANEL WIRING IS TO BE 7/0.67, 0.6kV V75 GRADE WITH PVC INSULATION. ALL INSULATION IS TO BE GREY COLOURED EXCEPT FOR EARTH WIRES WHICH ARE TO BE GREEN/YELLOW.
- WHERE SHOWN A 5mm WIDE BLACK LINE IS TO BE PAINTED ON THE FRONT AND REAR OF THE PANEL DOOR. IT SHOWS THE SEGREGATION BETWEEN CUSTOMER OVERCURRENT No.1 PANEL (TOP) AND CUSTOMER OVERCURRENT No.2 PANEL (BOTTOM).
- LABELS ARE TO BE MADE AS SHOWN ON DRAWINGS B1-178241 & A0-64825.
- DRILLING ARRANGEMENT SUITS A MARK 1 WALL MOUNTED RELAY PANEL. SEE DRAWING A1-28632.
- ALL DIMENSIONS ARE IN MILLIMETRES.
- FOR A CUSTOMER CABLE SUPPLY, THE CUSTOMER SWITCH CAN BE AN AIR CIRCUIT BREAKER OR A DISCONNECTOR. FOR A CUSTOMER BUSBAR SUPPLY, THE CUSTOMER SWITCH CAN BE AN AIR CIRCUIT BREAKER, A DISCONNECTOR OR A LINK.

TAGNAME	MFG	CATNO	DESC	REF DWG
BL_TL	EUGAQUIP	MOULDED TYPE M8	BATTERY/TEST LINK	38814
CDC-1, CDC-2	SCHNEIDER ELECT	MICOM P115	OVERCURRENT & EARTH FAULT RELAY	225082
EB	-	EARTH BAR	EARTH BAR	-
FS1	ALSTOM	FR509P Black	FUSE - 2 STUD BACK CONNECTED	-
X1, X5, X7	UTILUX	3826	RAIL MOUNTED TERMINAL	118547
X8	UTILUX	H2238	RAIL MOUNTED TERMINAL ORANGE	-
XS	WEIDMULLER	SAK 2.5	RAIL MOUNTED TERMINAL CAT No. 27966	-
XS	WEIDMULLER	SARR	RAIL MOUNTED ISOLATING TERM CAT No. 41226	-

LEGEND

LABEL DETAILS FOR CUSTOMER OC No.1 PANEL							LABEL DETAILS FOR CUSTOMER OC No.2 PANEL						
LABEL	LABEL SIZE	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	No OFF	LABEL	LABEL SIZE	COLOUR	TEXT LINE	TEXT HEIGHT	ENGRAVING	No OFF
1	C8	GRAVOPLY No 200 WHITE/BLACK	LINE 1	8	CUSTOMER OVERCURRENT No.1	1	9	C8	GRAVOPLY No 200 WHITE/BLACK	LINE 1	8	CUSTOMER OVERCURRENT No.2	1
2	C7	GRAVOPLY No 200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	OVERCURRENT & EARTH FAULT RELAY	1	10	C7	GRAVOPLY No 200 WHITE/BLACK	LINE 1 LINE 2	2.5 2.5	OVERCURRENT & EARTH FAULT RELAY	1
3	C3	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	10A 1A 30V 'A' MASTER BATT LINKS	1	11	C3	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	10A 1A 30V 'A' MASTER BATT LINKS	1
4	C3	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	FS1 1B 48V & 30V 'B' MASTER BATT FUSE & LINK	1	12	C3	TRAFFOLYTE RED/WHITE/RED	LINE 1 LINE 2 LINE 3 LINE 4	4.0 2.5 2.5 2.5	FS1 1B 48V & 30V 'B' MASTER BATT FUSE & LINK	1
5	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 1 TRIP LINK ON TX No.1 PANEL 21Aa	1	13	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 1 TRIP LINK ON TX No.1 PANEL 22Aa	1
6	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 2 TRIP LINK ON TX No.2 PANEL 21Ba	1	14	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 2 TRIP LINK ON TX No.2 PANEL 22Ba	1
7	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 3 TRIP LINK ON TX No.3 PANEL 21Ca	1	15	C2	TRAFFOLYTE YELLOW/BLACK/YELLOW	LINE 1 LINE 2	2.5 2.5	TRIP TO TRANSFORMER No. 3 TRIP LINK ON TX No.3 PANEL 22Ca	1
8	C11	GRAVOPLY No 259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	Nr A B C N CUSTOMER OC & EF No.1 CT TEST LINKS	1	16	C11	GRAVOPLY No 259 PINE GREEN/WHITE	LINE 1 LINE 2 LINE 3	4.0 2.5 2.5	Nr A B C N CUSTOMER OC & EF No.2 CT TEST LINKS	1

TITLE	DWG No.
RMICB SUBSTATIONS WITH E TYPE LV BOARD AC SCHEMATIC WITH OPTICAL ARC FLASH DETECTION	227350SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD TRANSFORMER DC SCHEMATIC WITH OPTICAL ARC FLASH DETECTION	227350SH02
RMICB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT DC SCHEMATIC	227350SH03
RMICB SUBSTATIONS WITH E TYPE LV BOARD DC SUPPLY CABLE LOOPING AND SCADA SCHEMATIC	227350SH04
RMICB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT WIRING DIAGRAM	227353SH02
RMICB SUBSTATIONS WITH E TYPE LV BOARD OPTICAL ARC FLASH DETECTION INDICATION PANEL SCHEMATIC DRILLING AND WIRING DIAGRAM	227354SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLING DIAGRAM	227355SH01
RMICB SUBSTATIONS WITH E TYPE LV BOARD AND OPTICAL ARC FLASH DETECTION CABLE SCHEDULE	227355SH02
E TYPE LV BOARD MERLIN GERIN MASTERPAC TP AIR CIRCUIT BREAKERS EXTERNAL CONNECTIONS FOR AFD DIST. SUBSTATIONS	227357SH01
WALL MOUNTED RELAY PANELS DETAILS	28632
E TYPE LV BOARD ACCEPTABLE COMBINATIONS	178227
REFERENCE DRAWINGS	



SCALE	1:2
DESIGNED	-
DRAWN	L.MARTINUZZI
CHECKED	W.BYRNE
APPROVED	M.BENNETT
DATE	15/06/2012
PRJTRK No.	-
PROJECT NUMBER	SM 06717-1-2

RMICB SUBSTATIONS WITH E TYPE LV BOARD CUSTOMER OVERCURRENT WALL MOUNTED PROTECTION PANEL LAYOUT & LABEL DETAILS DIAGRAM			
DRAWING No	227353	SHEET 1	AMD 0
SIZE	A0		