



APPLICATION NOTE 700183D

FIELD CONVERSION OF AN EN1000 TO AN EN1001

To convert an EN1000 to EN1001 **requires an EN1001 Control Panel and a Current Sensor**. Locate the combination of existing cabinet style and contactor type from the chart below. Select the type of current sensor desired. Choose the Control Panel, Current Sensor, Wiring Diagram, Manual and, if needed, an optional Program Lockout Switch.

	"S" CABINET W/INTERNAL CONTACTOR	"S" CABINET W/EXTERNAL CONTACTOR	"E" CABINET	"T/D" CABINET	"L" CABINET
WIRING DIAGRAM	421270 - 230/460/575 VAC 421270-001 - 380 VAC		421268 - 230/460/575 VAC 421268-001 - 380 VAC	421269 - 230/460/575 VAC 421269-001 - 380 VAC	
MANUAL	700120	700120	700120	700120	700120
CONTROL PANEL EN1001 W/O PLS	600574-004	600574-004	600574-004	600574-004	600574-004
OPTIONAL PLS	600531-001	600531-001	600531-001	600531-001	600531-001

PLS-Program Lockout Switch

COIL	SENSING	480V	240V	XTOR RATING	"S" CAB. W/ INTERNAL XTOR	"S" CAB. W/ EXTERNAL XTOR	"E" CABINET	"T/D" CABINET	"L" CABINET
P2	Primary Coil	Up To 50KVA	Up To 25KVA	To 300A	600575-002	600575-003	600575-002	600575-004	600575-003
P5	Primary Coil	Up To 250KVA	Up To 125KVA	300/600/ 1200/1800A	600576-002	600576-003	600576-002	600576-004	600576-003
P10	Primary Coil	Up To 400KVA	Up To 200KVA	1800/2200A	N/A	600577-003	600577-002	600577-004	600577-003
S6	Secondary Rogowski Coil	Any	Any	Any	600667 322475	600667 322475	600667 322475	600667 322475	600667 322475
S10	Secondary Rogowski Coil	Any	Any	Any	600668 322475	600668 322475	600668 322475	600668 322475	600668 322475

The charts above cover Single Function Controls in standard Single Function Cabinets. Call factory for multiple controls, controls in different cabinets or controls with options.

FIELD CONVERSION INSTRUCTIONS

1. Remove ALL power to control. Open the door.
2. Disconnect J2, J3, Weld and Power Light connections from the Control Panel.
3. From outside the cabinet, remove the four (4) black 6-32 x 3/8 Phillips Pan Head Screws which hold the Control Panel to the cabinet.
4. Remove the EN1000 Control Panel.
5. Install the supplied EN1001 Control Panel using the four black 6-32 x 3/8 screws removed in step 3.
6. Re-connect the J2, J3 Weld and Power Light connections and install the Sensing Coil provided, in accordance with the accompanying Wiring Diagram.
7. Close and secure the door, reapply power to the control.

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