



CAUTION - READ MANUAL & ALL NOTES BEFORE INSTALLING OR OPERATING CONTROL. SEE NOTE 1.

WARNING: HIGH VOLTAGE

VOLTAGES PRESENT IN THIS CONTROL CAN CAUSE SEVERE OR FATAL INJURIES. NOTE: EVEN THOUGH SUPPLY POWER TO THIS UNIT HAS BEEN DISCONNECTED, THERE MAY BE VOLTAGES IN THIS CONTROL ORIGINATING FROM OTHER SOURCES. FOR ALL VOLTAGE POTENTIAL TO BE REMOVED FROM THIS CONTROL, POWER MUST BE REMOVED FROM ALL EXTERNAL CONTROL CIRCUITS CONNECTED TO TERMINALS IN THIS CABINET.

CAUTION Control Shipped Wired for 460 VAC Unless otherwise specified - See Note 2.

CAUTION

DO NOT OPERATE WITHOUT WATER ON POWER ON WITHOUT WATER FLOW MAY CAUSE DAMAGE TO CONTROL. TURN POWER OFF WHEN CONTROL IS NOT IN USE.

CAUTION: DO NOT OVERTIGHTEN J5, J6, OR T3.

CAUTION: CONTROL WIRED FOR 460 VAC OPERATION - UNLESS OTHERWISE SPECIFIED.

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PARTS LIST - CONTROL SECTION			
QTY.	DESIG.	PART NO.	DESCRIPTION
1	PCB1	600528	Assem., Dial Plate, EN1000, Consisting of:
1	SW1	600541	Assem., Switch, Sequence Control & Display Board
1		600533-001	Assem., Switch, Keylock, Momentary, SPST
1		515025	Illustrated Panel, Dial Plate, EN1000
1		515104	Panel, Display Window, Red Filter, EN1000
1		565003	Hole Plug, 3/4" Diam., Black
1	PUR-LT.	305001	Lamp, Neon, Red, 230V
1	WLD.LT.	305002	Lamp, Neon, Clear, 230V
1	J2-J3	322303	Assem., Harness, Ctrl Bd. to Term. Strip Bd.
1	J3	322327	Assem., Harness, Power, EN1000

PARTS LIST - CONTACTOR SECTION			
QTY.	DESIG.	PART NO.	DESCRIPTION
1	TS1	335034	Terminal Strip, 10 Pin, (Part of J3 Harness)
1	TS6	335017	Terminal Strip, 2 Pin, (Part of Contactor Assem.)
1	TS6	335038	Terminal Strip, 4 Pin, (For T1S/WFS)(SHIP LOOSE \$1200A & 1200A)
2	R70, R71	225016	Resistor, Power, Surge, 500 Ohm, 100W, (For 575V)
2	R74	600048	Assem., Resistor, Power, 2000 Ohm, 10W, (For 575V)
1	T1	310001	Transformer, Control, (Part of J3 Harness)
1	T2	310002	Transformer, Sense, (Part of J3 Harness)
1	T3	311002	Transformer, Valve, 150 VA
1	T3	311017	Transformer, Valve, 150 VA, 575V
1	F1	308010	Fuseholder, 1 Pole, Mini, 600V
1	F1	307018	Fuse, Control, 6/10A, BBS 6/10
1	F2(PCB2)	307022	Fuse, 1 Amp, Slow Blow, 2AG, (Part of 410319-004)
1	F3(PCB2)	325024	Assem., Wire, Surge Resistor, 18 Ga., Black
2	T3	325149	Assem., Wire, Valve Transformer, 22 Ga., Black
1	TS1	600520	Assem., Cont., Thyristor, Air, 300A, 460/575V, w/TS
1	TS1	600529	Assem., Cont., Thyristor, Water, 600A, 460/575V
1	TS1	600597	Assem., Cont., Thyristor, Water, 1200A, 460/575V
1	TS1	600533-005	Assem., Contactor, SCR, Water, 1800A, 460/575V, w/TS
1	TS1	600533-003	Assem., Contactor, SCR, Water, 2200A, 460/575V, w/TS
1		346004	Lug, 5/16 Bolt to 2/0 Wire, 600A Contactor, L1 & H1
1	PCB2	410319-004	Assem., PCB, Terminal Strip Board, EN1000/1/2
1	PCB2	346004	Lug, Screw, Chassis GND, 2/0 Wire
1	PCB2	525035	Bracket, Mounting, 1800/2200A Contactors
1	PCB2	510236	Plate, Mounting, Terminal Strip Board
1	PCB2	300020	Switch, Temp. Limit, (N.C.), (Part of 3001800/2200A Cont.)
1	PCB2	530021	Plate, Mounting, 600/1200A Contactors
1	PCB2	900045	Hose, 3/8" ID
1	PCB2	566010	Hose Clamp, 3/8" Hose
1	PCB2	600179	Assem., Water Fitting, 3/8" Hose
1	PCB2	600297	Assem., Water Flow Switch, 3/8" Hose (SHIP LOOSE \$1200A & 1200A)
1	IDS	600044	Assem., Interlocking Door Solenoid
1	IDS	314001	Call Assem. Only, IDS
1	IDS	510238	Cabinet, Control Style "E"
1	IDS	510241	Door, Cabinet, Style "E"
1	IDS	700114	Application Note, EN1000/1/2 Control
1	IDS	700105	Manual, EN1000
1	IDS	421183	Logic Diagram, EN1000 Control
1	IDS	421212-003	Wiring Diagram, EN1000/1/2-Series, "E" Cabinet

Optional Keylock when specified by customer. See Note 8. Pack Key in Poly bag 900148 & attach to Door w/low Tape 900118.
 X Optional when specified by customer. See Notes 4 & 9.
 * Substitution or addition of parts when 575V control is specified.
 * Optional Water Flow Switch Assembly, an additional 1/2 inch (1 1/2 inches for 1200A & 1800A), P/N 900045 and two (2) hose clamps, P/N 566010, are to be supplied. See Note 9. See Drawing #440449 For Customer Mounting & Knockout Detail "E" Cabinet.

MANUFACTURING INSTRUCTIONS:
 See Drawing #440445 For Packing Instructions "E" Cabinet.
 See Drawing #440448 For Label Locations "E" Cabinet.
 SEE DRAWING #600550, #600550-001, #600550-002, or #600550-003 FOR MECHANICAL ASSEMBLY INSTRUCTIONS.

REV.	AUTH.	DESCRIPTION	DATE	CHK'D BY	DATE
1		ORIGINAL RELEASE			
2		DESCRIPTION			
ENTRON CONTROLS INC					
SCALE	DATE	DRAWN BY	CHK'D BY	APPROVED BY	
1/8"	3-26-96	JEC	JEC		
TOLERANCE UNLESS SPECIFIED					
ANGLES: ± 1/2°			REVISED		
DECIMALS: ± .010			REV LTR		
FRACTIONS: ± 1/64			DATE		
			11-15-96 JEC		
WIRING DIAGRAM, EN1000/1/2-SERIES, "E" CABINET					
NEXT ASSM/USED ON			DRAWING NUMBER		
EN1000/1/2-300E			EN1000/1/2-1200E		
EN1000/1/2-600E			EN1000/1/2-1800E		
			EN1000/1/2-2200E		
			421212-003 A		