



NOTICE
FOR SERVICE ON THIS CONTROL
Contact Your Machine
ENTRON CONTROLS INC.
DIRECTLY: (864) 416-0190
601 HIGH TECH COURT
GREEN, SC 29650
FAX# (864) 416-0195

HAZARDOUS VOLTAGE
FROM ONE OR MORE SOURCES
Turn off all voltage sources before touching any components.
Electrical shock or flash will cause severe injury or death.

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

CAUTION
WATER HOSE BURST HAZARD
Cooling water must be flowing when power is on.
Water hose can burst and damage controls.
Do not remove or cover this sign.

PARTS LIST - CONTROL SECTION				PARTS LIST - CONTACTOR SECTION			
QTY.	DESIG.	PART NO.	DESCRIPTION	QTY.	DESIG.	PART NO.	DESCRIPTION
1		600528	Assem., Dial Plate, EN1000, Consisting of: Assem., Dial Plate, w/Keylock, EN1000, Consisting of:				
1		600528-001	Assem., Switch, Sequence Control & Display Bd. Assem., Switch, Keylock, Momentary, SPST Illustrated Panel, Dial Plate, EN1000 Panel, Display Window, Red Filter, EN1000 Hole Plug, 3/4" Diam., Black	1		335067	Terminal Strip, 10 Pin, (Part of J3 Harness)
1	PCB1 SW1	600541	Assem., Harness, Control Bd. to Terminal Bd.	1	T1	310001	Transformer, Control, (Part of J3 Harness)
1		600531-001	Assem., Harness, Power, 300A & 600A Contactors	1	T2	310002	Transformer, Sense, (Part of J3 Harness)
1		540251	Assem., Harness, Power, External IGN & 70/150A Cont's	1	T3	311001	Transformer, Valve, 50VA
1		515104	Assem., Harness, Power, External SCR Contactors	1	T4	311016	Transformer, Valve, 50VA, 575V
1		565003	Assem., Harness, Control Bd. J4 to RDE Jack	1	(J5-J6-J7)	322311	Assem., Harness, IGN-Firing Module to Term. Bd.
1		305001	Lamp, Neon, Red, 230V	2	R70,71	225016	Resistor, Power, Surge, 500 Ohm, 100W
1		305002	Lamp, Neon, Clear, 230V	2	R72,73(PCB3)	220505	Resistor, Ignitor, 5 Ohm, 50W, (Part of 410318)
1		322303	Assem., Harness, Control Bd. to Terminal Bd.	2	R74	600048	Assem., Resistor, Power, 2000 Ohm, 10W, (For 575V)
1		322304	Assem., Harness, Power, 300A & 600A Contactors	1	F1	308006	Fuseholder, 2 Pole, Mini, 600V, For Dual BAF 6
1		322304-002	Assem., Harness, Power, Ext. IGN & 70/150A Cont's	1	F1	307024	Fuse, Control, 1/4A, FWH-R-1/4 or KLR-1/4
1		322304-003	Assem., Harness, Power, External SCR Contactors	3	F6,7,8(PCB2)	307022	Fuse, 1 Amp, Slow Blow, 2AG, (Part of 410319 & 410319-001)
1		322369	Assem., Harness, Control Bd. J4 to RDE Jack	1	F4,5(PCB3)	307010	Fuse, Ignitor, 6 Amp, BAF 6, (Part of 410318)
				1	(R70,71)	325191	Assem., Wire, Surge Resistor, 18 GA., Black
				2	(T3)	325149	Assem., Wire, Valve Transformer, 22 GA., Blk.
				1		600570	Assem., Contactor, SCR, Air, 70A
				1		600571	Assem., Contactor, SCR, Air, 150A
				1		600520	Assem., Cont., Thyristor, Air, 300A, 460/575V, w/TLS
				1		600542	Assem., Cont., Thyristor, Water, 600A, 460/575V, w/TLS
				1		300020	Switch, Temp. Limit, (Part of 600520 & 600542)
				1	PCB2	410319	Assem., PCB, Terminal Strip Board, EN1000
				1	PCB2	410319-001	Assem., PCB, Term. Strip Bd., Ext. Firing, EN1000
				1	PCB3	410318	Assem., PCB, IGN Firing Module
				1	(PCB2)	510236	Plate, Mounting, Terminal Strip Board
				1		346004	Lug, Screw, Chassis GND, 2/0 Wire
				1		600044	Assem., Interlocking Door Solenoid
				1		314001	Coil Assem Only, IDS
				1		510015	Cabinet, "S" Subcompact
				1		510017	Door, Cabinet, "S"
				1		700202	Manual, RDH Options
				1		700120	Manual, EN1000
				1		421183	Logic Diagram, EN1000 Control
				1		421180-005	Wiring Diagram, EN1000-Series/RDH, "S" Cabinet

MANUFACTURING INSTRUCTIONS

* Substitution or Addition of Parts when 575V Control is specified.
 X Optional.
 See Drawings #600530, #600530-001, #600530-002, & #600530-003 for Mechanical Assembly Instructions.
 See Drawing #440269 for Packing Instructions, "S" Cabinet.
 See Drawing #440352 for Label Locations, "S" Cabinet.
 See Drawing #440055 for Customer Mounting & Knockout Detail of "S" Cabinet.
 For Layout/Assembly of Front Panel, See Drawing #600526.

See Wiring Diagram #421274 for interconnection wiring from EN1000-Series/RDH, "S" Cabinet to EN1000 Single Contactor Remote Data Entry Control.

ENTRON CONTROLS INC.

DATE	9-27-95	DRAWN BY	DEC	CHK'D BY	DEC	APPROVED BY	DEC
REV	1	DATE	8/11/95	DATE	8/11/95	DATE	8/11/95

SCALE: ANGLES: ± 0.10
 DECIMALS: ± 0.10
 FRACTIONS: ± 1/64

REV	DATE	DESCRIPTION	DRAWN BY	CHK'D BY	DATE
		WIRING DIAGRAM, EN1000-SERIES/RDH, "S" CABINET			

EN1000-S(IGN)/RDH EN1000-70S/RDH EN1000-300S/RDH EN1000-S(SCR)/RDH EN1000-150S/RDH EN1000-600S/RDH

421180-005 C