

**FOR SERVICE ON THIS CONTROL CONTACT YOUR MACHINE DEALER OR**

**ENTRON CONTROLS INC. DIRECTLY: (430) 682-9800**

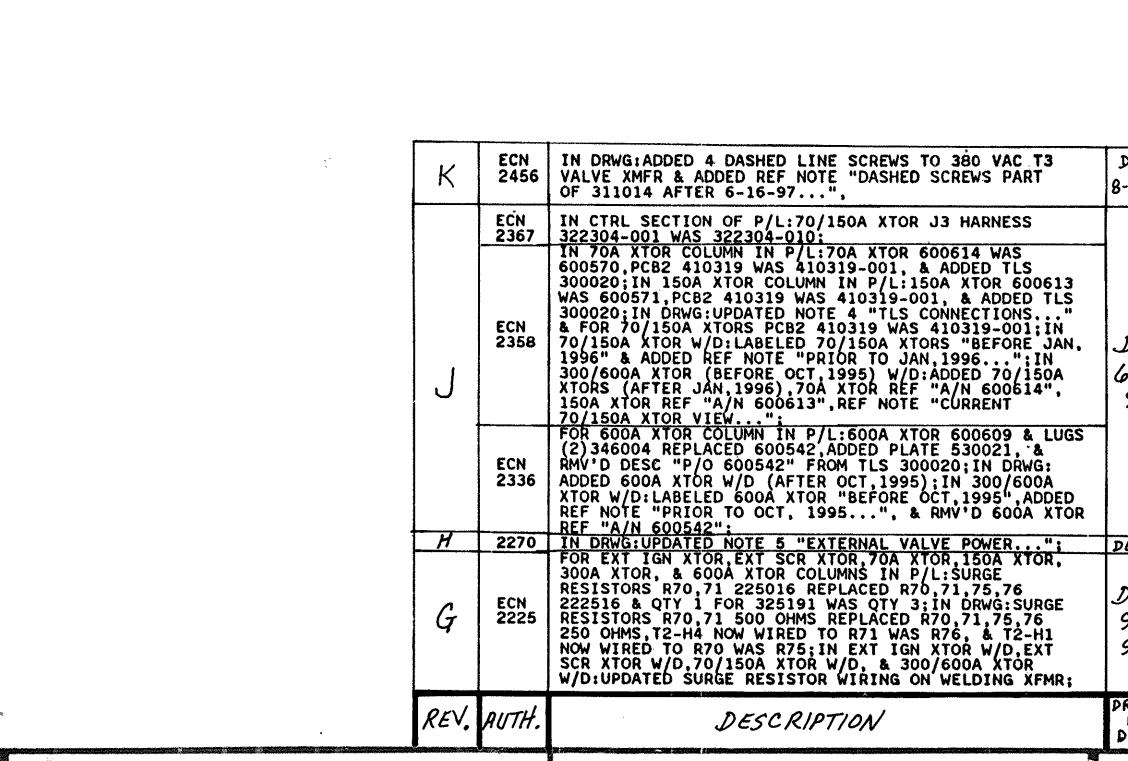
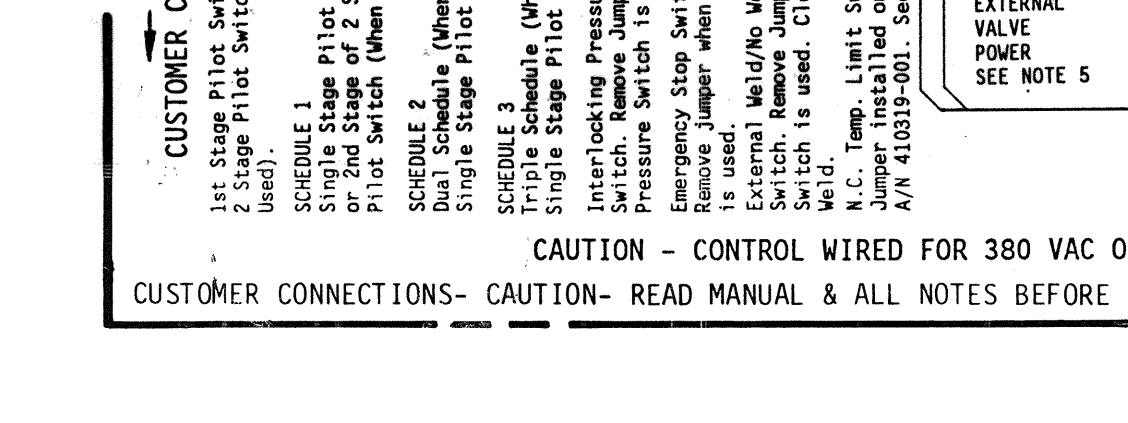
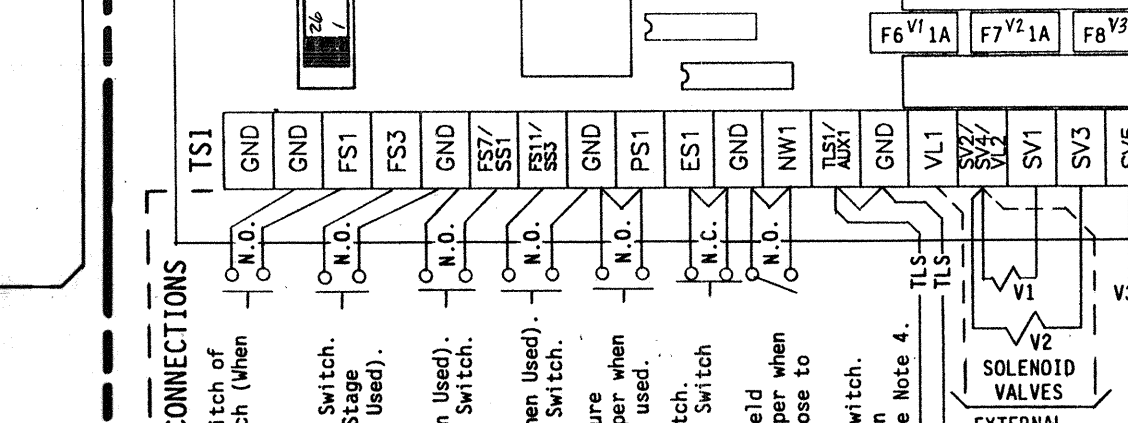
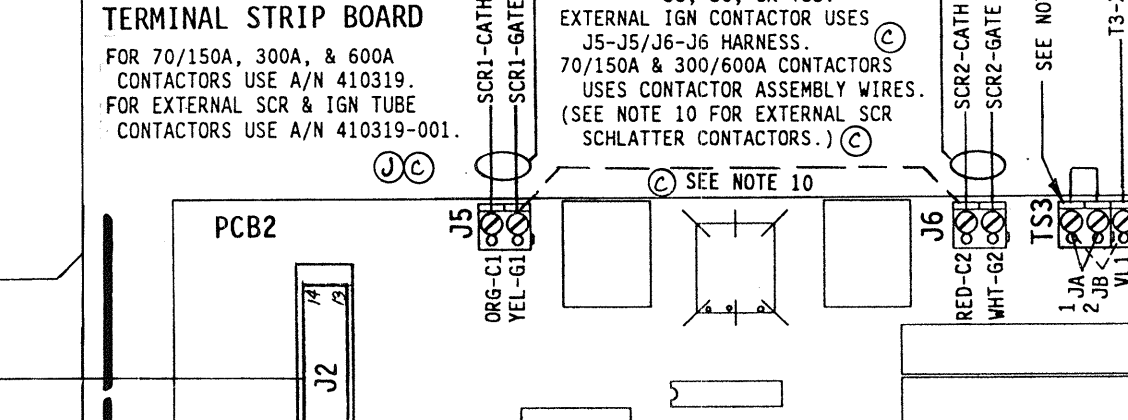
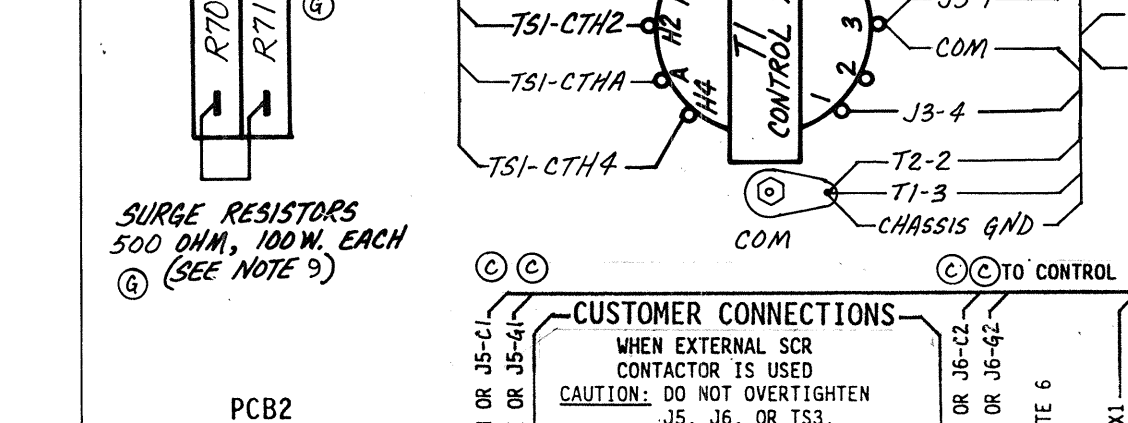
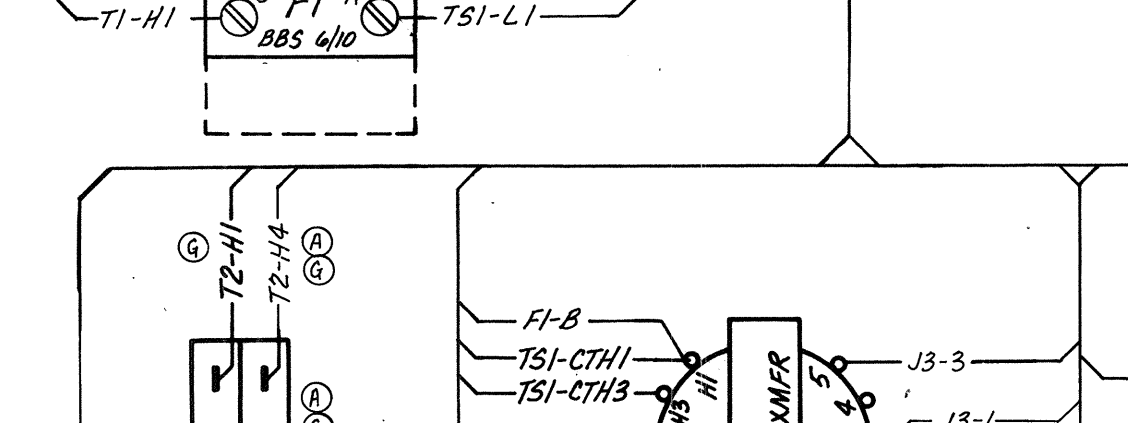
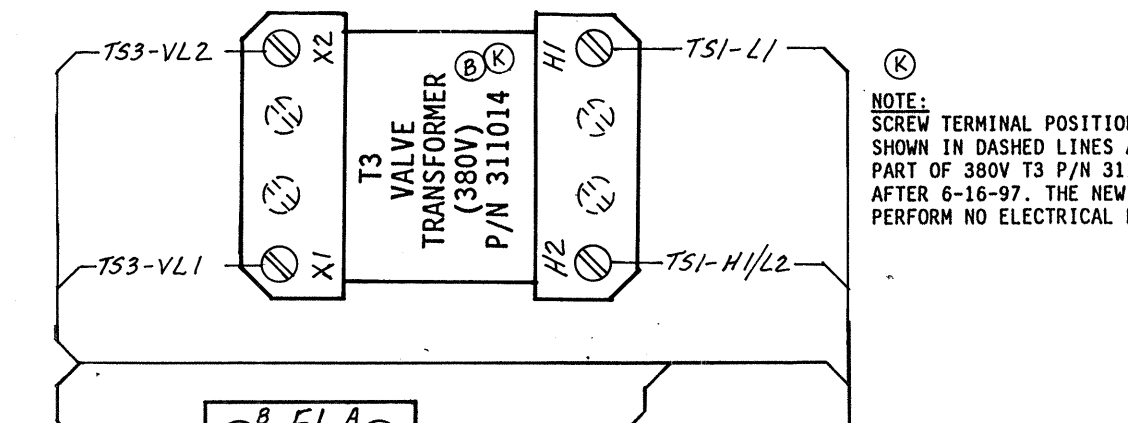
465 EAST RANDY ROAD  
CAROL STREAM, IL 60188  
FAX # (430) 682-9374

**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



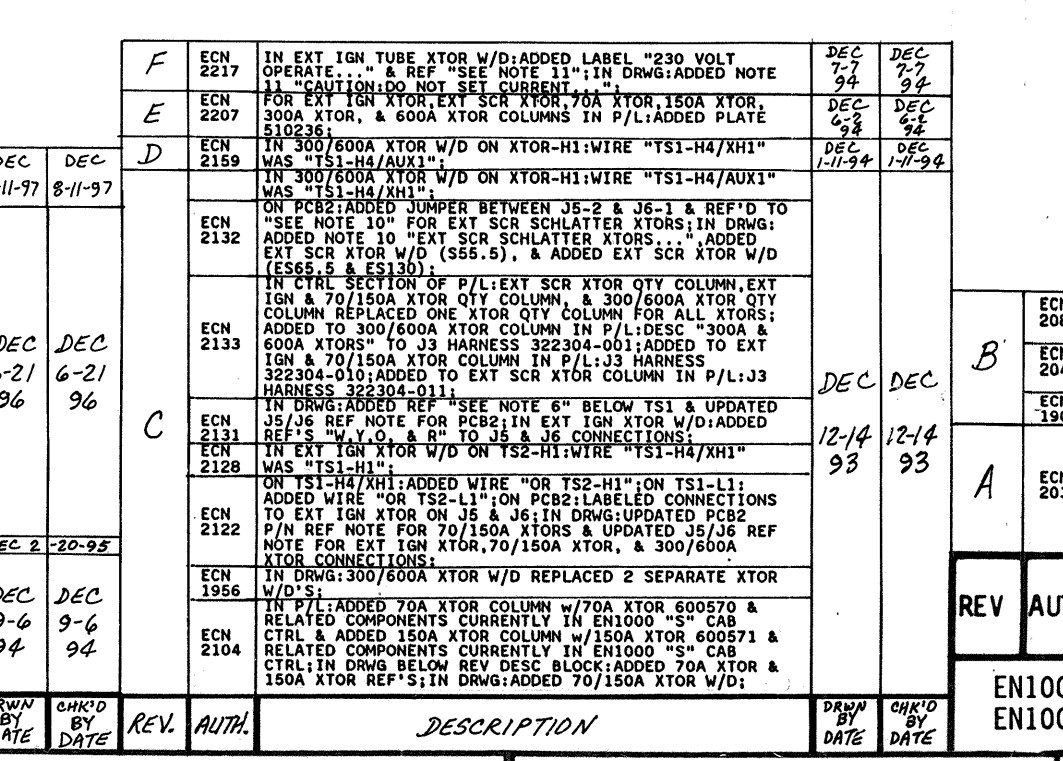
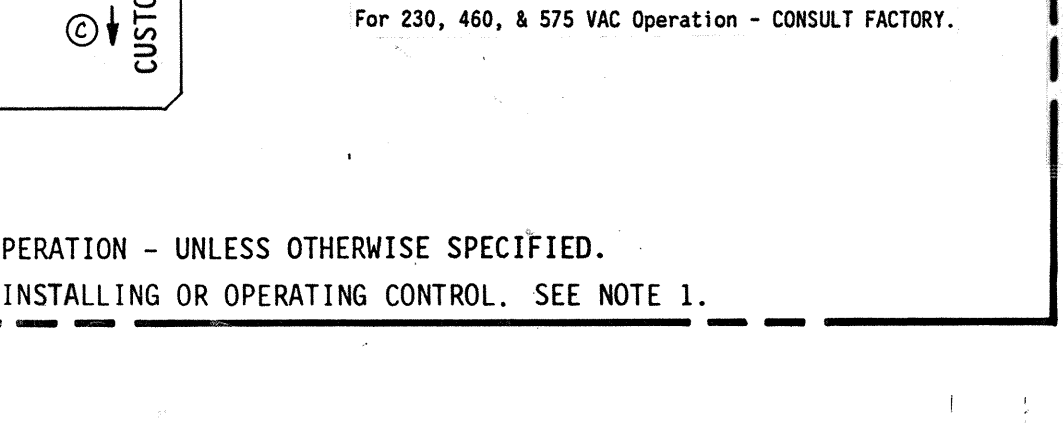
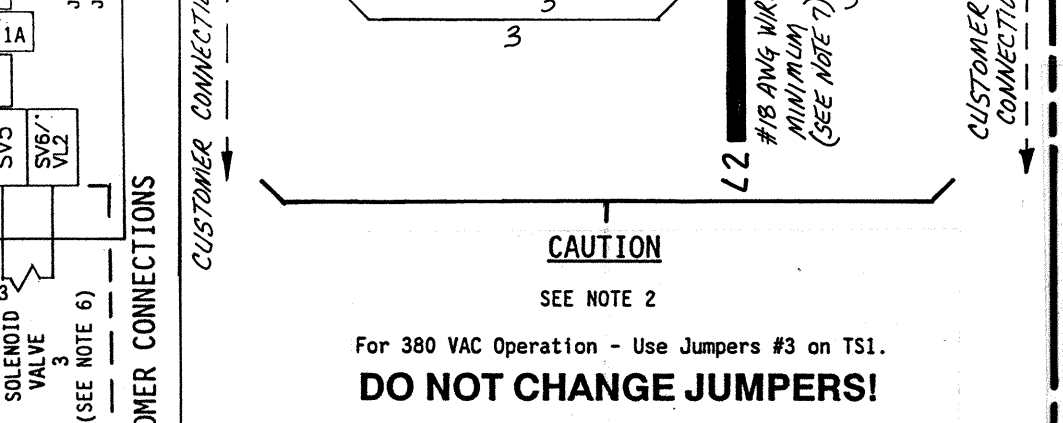
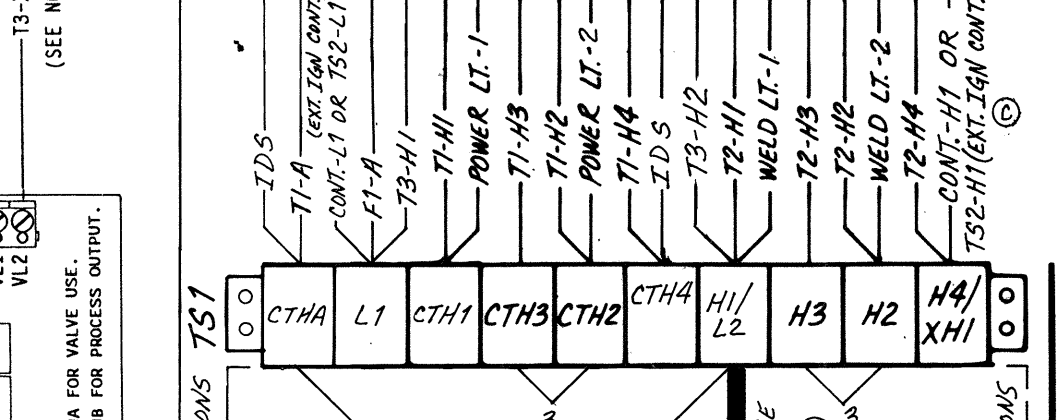
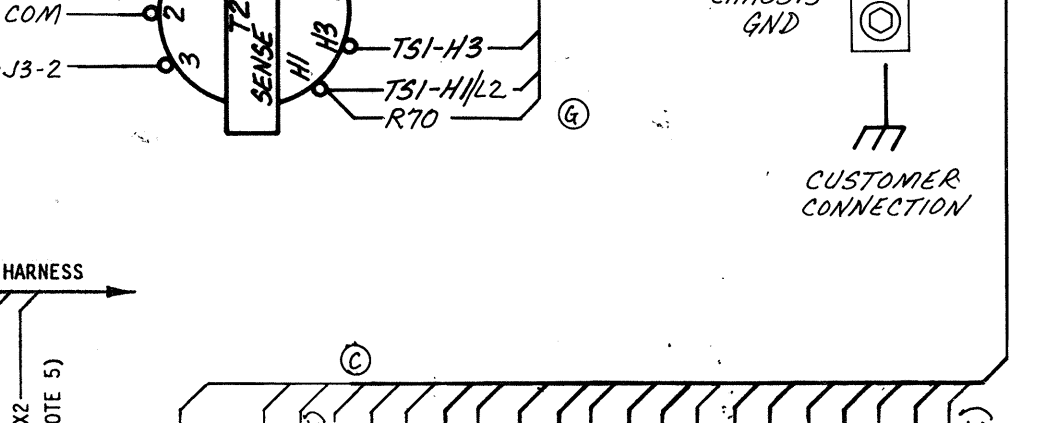
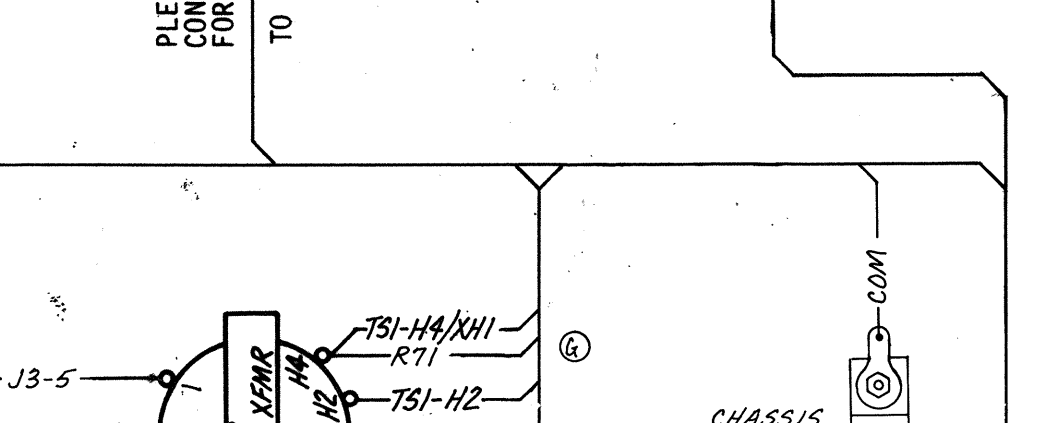
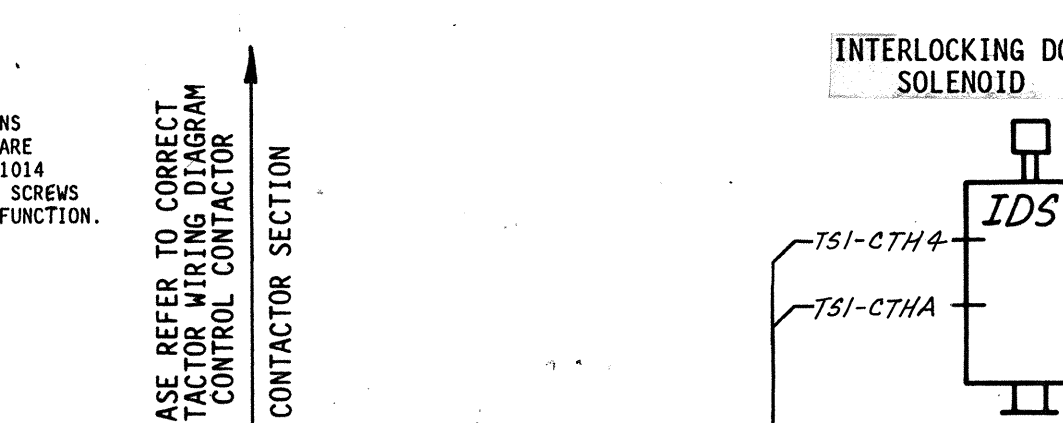
**CAUTION**

Control Shipped Wired for 380 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.



QTY.	DESIG.	PART NO.	DESCRIPTION
1	PCB1	600528	Assem., Dial Plate, EN1000, Consisting of: Assem., Dial Plate, w/Keylock, EN1000, Consisting of: Assem., Switch, Sequence Control & Display Bd. 600531-001
1	SW1	540251	Assem., Switch, Keylock, Momentary, SPST
1		515104	Illustrated Panel, Dial Plate, EN1000
1		565003	Panel, Display Window, Red Filter, EN1000 Hole Plug, 3/4" Diam., Black
1	PWR.LT.	305001	Lamp, Neon, Red, 230V
1	WLD.LT.	305002	Lamp, Neon, Clear, 230V
1	J2-J2	322303	Assem., Harness, Control Bd. to Terminal Bd.
1	J3	322304-001	Assem., Harness, Power, 70/150A & 300/600A Cont's
1	J3	322304-010	Assem., Harness, Power, External IGN Tube Cont's
1	J3	322304-011	Assem., Harness, Power, External SCR Contactors

QTY.	DESIG.	PART NO.	DESCRIPTION
1	TS1	335034	Terminal Strip, 10 Pin, (Part of J3 Harness)
1	T1	310001	Transformer, Control, (Part of J3 Harness)
1	T2	310002	Transformer, Sense, (Part of J3 Harness)
1	T3	311014	Transformer, Valve, 50VA, 380V
1	(J5-J5/J6-J6)	322311	Assem., Harness, IGN Firing Module to Term. Bd.
2	R70,71	225016	Resistor, Power, Surge, 500 Ohm, 100W
2	R72,73(PCB3)	220505	Resistor, Ignitor, 5 Ohm, 50W, (Part of 410318)
1	F1	308006	Fuseholder, 2 Pole, Mini, 600V, For Dual BAF 6
1	F1	307018	Fuse, Control, 6/10A, BBS 6/10
3	F6,7,8(PCB2)	307022	Fuse, 1 Amp, Slow Blow, 2AG, (Part of 410319 & 410319-001)
1	F4,5(PCB3)	307010	Fuse, Ignitor, 6 Amp, BAF 6, (Part of 410318)
3	F6,7,8(PCB2)	325191	Assem., Wire, Surge Resistor, 18 GA., Black
1	600614		Assem., Contactor, Thyristor, Air, 70A, 460/575V, w/TL
1	600613		Assem., Contactor, Thyristor, Air, 150A, 460/575V, w/TL
1	600520		Assem., Cont., Thyristor, Air, 300A, 460/575V, w/TL
1	600609		Assem., Cont., Thyristor, Water, 600A, 460/575V
1	300020		Switch, Temp. Limit, (Part of 600520/600613/600614)
1	346004		Lug, 5/16 Bolt to 2/0 Wire, 600A Contactor, L1 & H1
1	530021		Plate, Mounting, 600A Thyristor Contactor
1	410319		Assem., PCB, Terminal Strip Board, EN1000
1	410319-001		Assem., PCB, Term. Strip Bd., Ext. Firing, EN1000
1	410318		Assem., PCB, IGN Firing Module
1	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	700105		Manual, EN1000
1	421183		Logic Diagram, EN1000-Series, "S" Cabinet
1	421180-001		Wiring Diagram, EN1000-Series, "S" Cabinet

Optional Keylock when specified by customer. See Note 8. Pack key in Poly bag 900148 & attach to Door w/Yellow Tape 900118.

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 #421180 for EN1000-Series, "S" Cabinet.

See Wiring Diagram #421189 for EN1000-Series, "R" Cabinet.

See Wiring Diagram #421210 for EN1000-Series, "D", "T", "L", or "LS" Cabinet, w/Optional Circuit Isolation Device.

See Wiring Diagram #421212 for EN1000-Series, "E" Cabinet.

REV	AUTH	DESCRIPTION	DATE	CHK'D BY	DATE
1		ORIGINAL RELEASE			
2		SCALE DATE	4-28-92	DEC	4-28-92
3		SCALE DATE	9-3	DEC	9-3
4		SCALE DATE	12-14-93	DEC	12-14-93
5		SCALE DATE	9-3	DEC	9-3
6		SCALE DATE	9-6	DEC	9-6
7		SCALE DATE	9-6	DEC	9-6
8		SCALE DATE	9-6	DEC	9-6
9		SCALE DATE	9-6	DEC	9-6
10		SCALE DATE	9-6	DEC	9-6
11		SCALE DATE	9-6	DEC	9-6
12		SCALE DATE	9-6	DEC	9-6
13		SCALE DATE	9-6	DEC	9-6
14		SCALE DATE	9-6	DEC	9-6
15		SCALE DATE	9-6	DEC	9-6
16		SCALE DATE	9-6	DEC	9-6
17		SCALE DATE	9-6	DEC	9-6
18		SCALE DATE	9-6	DEC	9-6
19		SCALE DATE	9-6	DEC	9-6
20		SCALE DATE	9-6	DEC	9-6
21		SCALE DATE	9-6	DEC	9-6
22		SCALE DATE	9-6	DEC	9-6
23		SCALE DATE	9-6	DEC	9-6
24		SCALE DATE	9-6	DEC	9-6
25		SCALE DATE	9-6	DEC	9-6
26		SCALE DATE	9-6	DEC	9-6
27		SCALE DATE	9-6	DEC	9-6
28		SCALE DATE	9-6	DEC	9-6
29		SCALE DATE			