



PARTS LIST - CONTROL SECTION				421387-009 B
QTY.	DESIG.	PART NO.	DESCRIPTION	
1	PCB1	600528-001	Assem., Dial Plate, w/Sw. Assem., EN1000, Consisting of: Assem., Dial Plate, w/Sw. Assem. & Keylock, EN1000, Consisting of:	
1	SW1	600541	Assem., Switch, Sequence Control & Display Board	
1		600531-001	Assem., Switch, Keylock, Momentary, SPST	
1		540251	Illustrated Panel, Dial Plate, EN1000	
1		515104	Panel, Display Window, Red Filter, EN1000	
1		565003	Hole Plug, 3/4" Diam., Black	
1	PWR-LT.	305001	Lamp, Neon, Red, 230V	
1	WLD-LT.	305002	Lamp, Neon, Clear, 230V	
1	J3	322256	Assem., Harness, Control Bd. to Terminal Strip Board	
1	J3	322551	Assem., Harness, Power, EN1000/GF/SP, SP#4/DC Valve Output	

PARTS LIST - CONTACTOR SECTION				
QTY.	DESIG.	PART NO.	DESCRIPTION	
2	TSL1,17	335034	Terminal Strip, 10 Pin, (Part of J3 Harness)	
1	TS7	335044	Terminal Strip, 2 Pin	
1	TS8	335017	Terminal Strip, 2 Pin, (For TLS/WFS)	
1	T1	310001	Transformer, Control, (Part of J3 Harness)	
1	T2	310002	Transformer, Sense, (Part of J3 Harness)	
1	T3	311002	Transformer, Valve, 150VA	
1	T3	311017	Transformer, Valve, 150VA, 575V	
2	R70,71	225016	Resistor, Power, Surge, 500 Ohm, 100W	
2	R74	600048	Assem., Resistor, Power, 2000 Ohm, 10W, (For 575V)	
2	R80,80A	600645	Assem., Resistor, 10,000 Ohm, 1W, (For TS17)	
1	R82	600646	Assem., Resistor, 1 Ohm, 1W, (For TS17)	
1	F1	308010	Fuseholder, 1 Pole, Mint, 600V	
1	F1	307024	Fuse, Control, 1/4A, FNO-R-1/4 or KLD-R-1/4	
1	F1	307022	Fuse, 1 Amp, Slow Blow, 2AG, (Part of 410319)	
1	F1	325024	Assem., Wire, Surge Resistor, 18 Ga., Black	
2	(T3)	325149	Assem., Wire, Valve Transformer, 22 Ga., Black	
1	F1	600610	Assem., Contactor, Thyristor, Water, 600A, 460/575V	
1	F1	346004	Lug, Screw, 5/16 Bolt to 2/0 Wire, 600A Thyristor Contactor, H1	
1	F1	346011	Lug, Screw, 1/4 Bolt to 2/0 Wire, 600A Thyristor Contactor, L1	
1	F1	341040	Standoff, Insulator, 600/1200A Thyristor Contactor, L1	
1	F1	325174	Assem., Wire, Contactor-L1 to Lug L1, 600/1200A Thy. Contactor	
1	F1	6005759	Assem., Contactor, Thyristor, Meter, 1200A, 460/575V	
2	F1	346002	Lug, Screw, 5/16 Bolt to 250 MCM Wire, 1200A Contactor, L1 & H1	
1	(TS2)	600649	Assem., Standoff, w/Insulator, TS2-H1, Consisting of:	
1	(TS2)	341045	Insulator, Insulation between H1 & H2 Lugs, TS2-H1	
1	(TS2)	341040	Standoff, Modified for Insulator, TS2-H1	
1	(TS2)	346011	Lug, Screw, 1/4 Bolt to 2/0 Wire, 600A Cont., TS2-H1 & TS2-H2	
1	(TS2)	309514	Ground Fault Current Transformer, 1200A, 460/575V	
1	CR1	600695	Residual Current & Ground Detection, supplied w/Manual	
1	SW2	302024	Switch, 0.1A, Push Button, Red, N/O Contact 22mm	
1	SW4	302025	Switch, 0.1A, Push Button, Red, N/C Contact 22mm	
1	TL5	300020	Switch, Temperature Limit, (N.C.)	
1	PS4	318029	Power Supply, 120-240VAC/24VDC, 1.3A	
1	PS4	346004	Lug, Screw, Chassis GND, 2/0 Wire	
1	PCB2	410319-011	Assem., PCB, Terminal Strip Board, EN1000, w/DC Valve Output	
1	(PCB2)	510236	Plate, Mounting, Terminal Strip Board	
1	(PCB2)	530021	Plate, Mounting, 600/1200A Thyristor Contactor	
1	(PCB2)	324371	Wire, 2/0, 600A Thyristor Contactor, TS2-H2 to C/B-L2, 30" Long	
1	(PCB2)	324372	Wire, 2/0, 600A Thyristor Contactor, TS2-H1 to Cont-H1, 20" Long	
1	(PCB2)	324365	Wire, 2/0, 600A Thyristor Contactor, C/B-L1 to Cont-L1, 16" Long	
1	(PCB2)	324373	Wire, 250 MCM, 1200A Thyristor Contactor, TS2-H2 to C/B-L2, 26" Lg	
1	(PCB2)	324374	Wire, 250 MCM, 1200A Thyristor Contactor, TS2-H1 to Cont-H1, 18" Lg	
1	(PCB2)	324368	Wire, 250 MCM, 1200A Thyristor Contactor, C/B-L1 to Cont-L1, 14" Lg	
X	X	900045	Hose, 3/8" I.D.	
4	X	566010	Hose Clamp, 3/8" Hose	
4	X	600175	Assem., Gate-Fitting, 3/8" Hose	
1	X	600297	Assem., Meter Flow Switch, 3/8" Hose	
1	X	550014	Vault Closing Door Mechanism, "D/T" Cabinet	
1	X	510247-002	Cabinet, Control, Style "D/T", w/CB, Modified for GF	
1	X	510240	Door, Cabinet, Control, Style "D/T"	
1	C/B	700120	Circuit Breaker, Pole, Amp, V, w/110 VAC Shunt Trip	
1		700189	Manual, EN1000	
1		421183	Application Note, DC Valve Output EN1000	
1		421387-009	Logic Diagram, EN1000 Control	
1		421387-009	Wiring Diagram, EN1000/1200/GF/SP, "D/T" Cab., SP#4/DC Valve Output	

Optional Keylock when specified by customer. See Note 8. Pack Key In Poly bag 900148 & attach to Door w/Key Tag 900118.

Substitution or addition of parts when 575V control is specified.

Optional 24VDC Power Supply, when specified by customer.

Optional Meter Flow Switch Assembly & T58. An additional Thirty-Six inches (36") of hose, P/N 900045 and two (2) hose clamps, P/N 566010 are to be supplied. See Note 9. X For "D" & "T" cabinet, supply 36" of hose.

**MANUFACTURING INSTRUCTIONS:**  
See Drawing #600592 for Mechanical Layout/Assem. of EN1000/GF, "D/T" Cabinet.  
See Drawing #440366 for Inner pack & use carton #650016 for "D/T" Cabinet Packing Instructions.  
See Drawing #440451 for Circuit Breaker to L1 Contactor Cab. connections.  
See Drawing #600526 for Layout/Assem. of Front Panel.  
Relay (CR1) MUST be S3 & S4 (located behind R1 Front Plate) closed to put Relay in active mode. Ship with Manufacturer Relay manual.

NOTICE			
This weld control complies with the RWMA Bulletin 5.015.68.04 for use with a hand-held transgan.			
Proper installation and maintenance must be followed for handheld transgan operation. See instructions.			
See instructions.			
<b>HAZARDOUS VOLTAGE</b> DO NOT DEFEAT OR REMOVE PROTECTION CIRCUITRY.			
<b>HAZARDOUS VOLTAGE</b> Electrical shock or flash will cause severe injury or death.			
<b>SHOCK HAZARD</b> TEST OPERATOR PROTECTION BEFORE USE.			
ELECTRICAL SHOCK OR FLASH WILL CAUSE SEVERE INJURY OR DEATH.			
REV. AUTH. DESCRIPTION			
EN1000-600D,T/GF EN1000-1200D,T/GF			
DRAWING NUMBER 421387-009 B			