

# ENTRON™

## EN2000 Series Controls Dual Schedule/Dual Sequence S2H Controls

Date: April 2014

Supersedes: April 2006

### SPECIFICATIONS

**Absolute Count:** Push Button Data Entry with Simultaneous Digital Display

Squeeze Count:	0 to 99 cycles, 50/60 Hz
Weld Count:	0 to 99 cycles, 50/60 Hz
Hold Count:	0 to 99 cycles, 50/60 Hz
Off Count:	0 to 99 cycles, 50/60 Hz

Digital Phase Shift Current Control, 10 to 99% in 1% current steps,  
all weld current functions

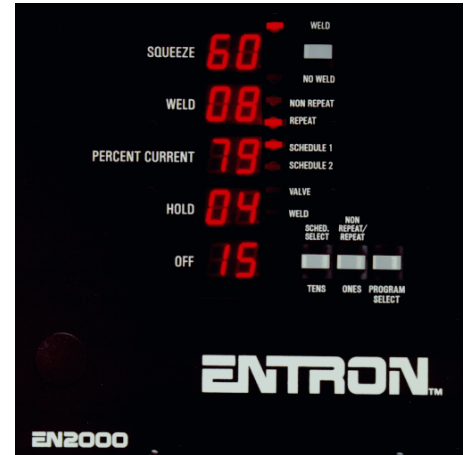
Dual Weld Count/Dual Percent Current Adjust –  
Front Panel and External Select

Non-Repeat: Single Schedule upon initiation

Repeat: Single Schedule repeated with pilot circuit held closed

### Additional Features

- 87° First Half Cycle Delayed Firing, Anti-Saturation Circuit
- Dynamic Automatic Power Factor Equalization
- Dynamic Automatic Voltage Compensation,  $\pm 20\%$  of Nominal Line
- Emergency Stop Circuit
- Interlocking Pressure Switch Circuit
- Single Stage Pilot/2 Stage Pilot
- Indicator Lights for all functions on display panel
- Valve Transformer: 150VA 230/460-115V, E, D & T Cabinets  
50VA 230/460-115V, S Cabinets
- One Valve output standard, all controls



*Exclusive ENTRON two year warranty*

# EN2000 Series Controls

## Dual Schedule/Dual Sequence S2H Controls

D Cabinet



S Cabinet



T Cabinet



The EN2000 Series Control is ideal for programming schedules for most welding applications for ferrous and some non-ferrous metals, multiple thickness of materials and special part configurations.

- Store Two Schedules  
Every parameter of each schedule individually accessible  
Each schedule can store 5 distinct and totally different parameters  
All schedules retained in memory with power off
- Single contactor circuit  
Single valve circuit  
Contactor failed detection
- Control can be INTERFACED with external Programmable Logic Control (PLC)

CABINET STYLE & DIMENSIONS				CONTACTOR STYLE & RATINGS			
STYLE	H	W	D	AIR COOLED	WATER COOLED		
FP	279 mm 11"	279 mm 11"		Please Contact Factory			
S	222 mm 8-3/4"	222 mm 8-3/4"	419 mm 16-1/2"	150A/ 300A	1200A		
E	533 mm 21"	222 mm 8-3/4"	419 mm 16-1/2"	300A	1200A	1800A	2200A
D or T	610 mm 24"	645 mm 25-3/8"	254 mm 10"	300A	1200A	1800A	2200A

All SCR contactors complete with temperature limit switch, except 150 ampere contractors.

Circuit Breakers available in D and T cabinets only. Consult factory for Circuit Breaker pricing. 100, 200 and 400 ampere

Circuit Breakers are available in D and T cabinets with right hand, flange mounted operator installed within the cabinet. Consult factory for availability of 600 ampere Circuit Breakers.

See COMPREHENSIVE PRICE LIST for a complete list of Options, Circuit Breakers, Accessories and Special Features.

Contact your ENTRON Controls  
Representative or Your Local Resistance  
Welding Equipment Source

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