

EN1001 Series Controls

Constant Current/Multiple Sequence Controls

D Cabinet



E Cabinet



S Cabinet



The EN1001 Series Constant Current Control is ideal for programming schedules where changing conditions such as line voltage variation, size and shape of the secondary, or the introduction of ferrous material in the secondary are of concern and current compensation is desired.

- CONSTANT CURRENT with a 4 digit display in kAmps
- Store up to 50 UNIQUE SCHEDULES
- Schedules retained in memory with power off
- Three Valve Circuits, standard
- Single contactor Firing Circuit
- External Schedule Select allows remote binary selection of 4 schedules
- Five Programmable Steppers to extend tip life
- Current Offset allows quick manual current adjustments
- Control can be interfaced and initiated using a PLC (Programmable Logic Controller)
- Meets or exceeds RWMA/NEMA standards
- Secondary coil requires No Setup; Only range selection for constant current
- Primary sensor requires No Transformer Ratios
- Current monitor with Hi/Lo current limit windows

OPTIONS:

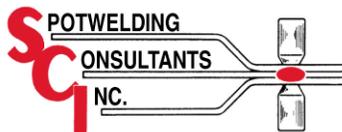
- RS485 implemented with 2 wire ENBUS using non proprietary protocol; Controls can be networked thru remote terminals (RT4) or use PC compatible ENLINK software to download, store or edit weld control data
- RS232 Single point communications
- IPS, IPC, IPSC, Integrated Pressure Sense, Control or Sense and Control Program 50 Unique Pressures, or Trigger Levels
- MM2, Memory Module provides backup for all data of EN1001 Series Controls
- S49, External Binary Select, allows remote binary selection of any of 50 schedules
- Valve Select 1 of 7
- Shunt Trip Breaker
- Ground Fault Detection

CABINET STYLE & DIMENSIONS				CONTACTOR STYLE & RATINGS				
STYLE	H	W	D	AIR COOLED		WATER COOLED		
B	222 mm • 8-3/4"	222 mm • 8-3/4"	296 mm • 11-3/4"	150A	300A			
S	222 mm • 8-3/4"	222 mm • 8-3/4"	419 mm • 16-1/2"		300A			
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.

Consult factory for Circuit Breaker pricing. 100, 200 and 400 ampere Circuit Breakers are available in D & T cabinets with right-hand, flange mounted operator installed within the cabinet. Consult factory for availability of 600 and 800 ampere Circuit Breaker. 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



Contact SCI for additional information and pricing.

(888) 255-6780 toll free order line
 (972) 475-0874 phone • (972) 475-5024 fax
 4209 Industrial • Rowlett, Texas 75088