

# ENTRON™

## Controls for Resistance Welding EN2130

### Bench Controls with Valve Output



- ***Simple to Program***

Using the familiar and intuitive EN2000 platform, push-buttons and a three-step procedure make easy work of programming any welding schedule.

- ***Direct Reading Digital Data Display***

- ***Simplified Design***

- ***Direct Replacement for EN130***

- ***Two Year Warranty***

A two year warranty is offered on all ENTRON parts and assemblies. Expert phone support and application service are available at no cost.

#### Features

- Spot Sequence
- Dual Weld/Dual Current
- LED Status Indicators
- All Functions Displayed Simultaneously
- Compact, Lightweight Air Cooled Cabinet
- Available with both 150 and 300A Air Cooled Contactors
- Optional Manual Current Adjust

#### Capabilities

- Two Schedules
- Weld & Valve Control Relays
- One Valve Output
- Dual Weld Programming
- Easily Programmed
- Programmable for 1/2 Cycle Operation and Polarity Reverse
  - 1/2 Cycle Positive Initiation
  - 1/2 Cycle Negative Initiation
- Program Only the Functions Required

- ***Half Cycle Mode with Polarity Reverse***

- ***Dedicated Dual Schedule/ Dual Sequence Controls***

Designed for use with single phase welding machines, rocker arm, press type welders, robotic equipment, bench welders, stitch welders, machines with small heads and special machines.

***Exclusive ENTRON two year warranty***

# EN2130 Series Controls

Bench with Valve Output • Dual Schedule/Dual Sequence BS2HX Controls

Date: May 2006

Supersedes: New

## SPECIFICATIONS

### Absolute Count: Push Button Data Entry with Display

Squeeze Count:	0 to 99 cyc, 50/60 Hz
Weld Count:	0 to 99 cyc, 50/60 Hz
Hold Count:	0 to 99 cyc, 50/60 Hz
Digital Phase Shift Current Control, 10 to 99% in 1% current steps	
It is NOT necessary to program functions NOT required, program only functions required	

### Additional Features

- Microprocessor-based Circuitry
- Spot Sequence
- Dual Weld/Dual Current
- LED Status Indicators
- All Functions Displayed Simultaneously
- Compact, Lightweight Air Cooled Cabinet
- Available with both 150 and 300A Air Cooled Contactors
- Error Code/Fault Outputs
- 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 Valve output standard (without transformer)
- Manual Current Adjust (optional)

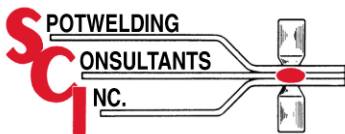


EN2130  
Style "B" Cabinet  
222mm x 222mm x 296mm  
8-3/4" x 8-3/4" x 11-3/4"

The EN2130 Series Control is a microprocessor based resistance welding control. This control is equipped with dual schedule, dual heat, with positive or negative  $\frac{1}{2}$  cycle feature.

Initiation of two different weld schedules (Squeeze, Weld, Hold, and Percent of Current) are available on separate initiation inputs.

- Store 2 UNIQUE SCHEDULES  
Both schedules retained in memory with power off
- Allows a choice of either Positive or Negative  $\frac{1}{2}$  cycle firing
- Single valve output circuitry
- Control can be INTERFACED with external Programmable Logic Control (PLC)



Contact SCI for additional information and pricing.  
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