

ENTRON™

Controls for Resistance Welding EN2130

Bench Controls with Valve Output



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

- ***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.

- ***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)

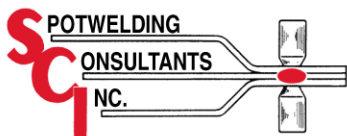


EN2130
Style "B" Cabinet
222mm x 222mm x 296mm
8-3/4" x 8-3/4" x 11-3/4"

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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