

ENTRON™

Controls for Resistance Welding

EN2150

Bench Controls without Valve



- ***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 EN150***

- ***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 Control Relays
- End of Sequence 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
 - Alternate 1/2 Cycle Program
- Program Only the Functions Required

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

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

Designed for use with single phase welding machines, robotic equipment, bench welders, tweezer welders, stitch welders, machines with small heads and special machines.

Exclusive ENTRON two year warranty

EN2150 Series Controls

Bench without Valve • Dual Schedule/Dual Sequence BS1HX Controls

Date: May 2006

Supercedes: 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)



EN2150
Style "B" Cabinet
222mm x 222mm x 296mm
8-3/4" x 8-3/4" x 11-3/4"

The EN2150 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



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