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.

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<td>- Two Schedules</td>
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<td>- Dual Weld/Dual Current</td>
<td>- Weld Control Relays</td>
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<td>- LED Status Indicators</td>
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<td>- All Functions Displayed Simultaneously</td>
<td>- Dual Weld Programming</td>
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<td>- Compact, Lightweight Air Cooled Cabinet</td>
<td>- Easily Programmed</td>
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<td>- Available with both 150 and 300A Air Cooled Contactors</td>
<td>- Programmable for ½ Cycle Operation and Polarity Reverse</td>
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<td>- Optional Manual Current Adjust</td>
<td>- ½ Cycle Positive Initiation</td>
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<td>- ½ Cycle Negative Initiation</td>
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<td>- Alternate ½ Cycle Program</td>
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<td>- Program Only the Functions Required</td>
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**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, ±20% of Nominal Line
- Emergency Stop Circuit
- Interlocking Pressure Switch Circuit
- Single Valve output standard (without transformer)
- Manual Current Adjust (optional)

The EN2150 Series Control is a microprocessor based resistance welding control. This control is equipped with dual schedule, dual heat, with positive or negative ½ 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 ½ cycle firing