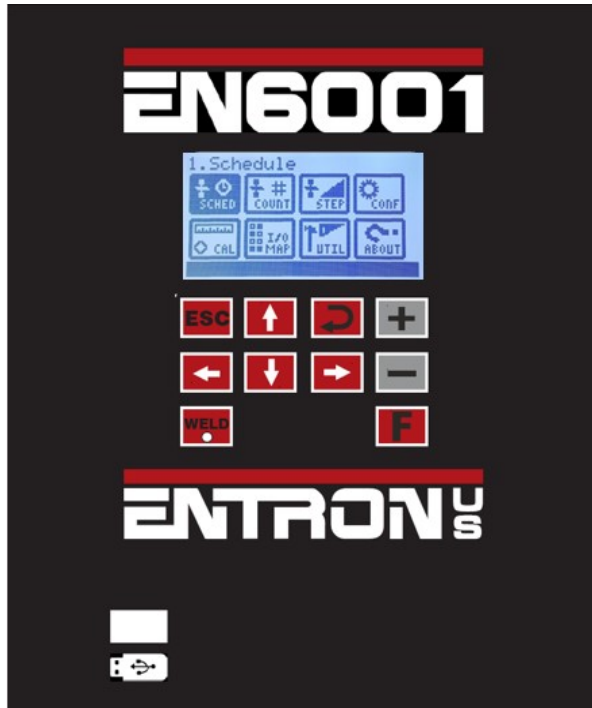# EN6001 Constant Current AC Controls

BENEFITS:

LOW COST
EASIER TO PROGRAM
MORE I/O
USB backup Port

MAIN FEATURES:
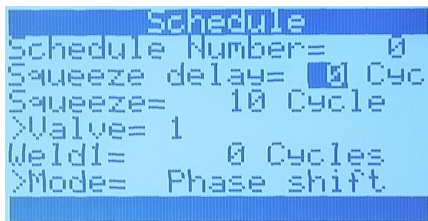
64 Programs
Single SCR
Secondary Constant Current
Monitor High/Low limits
Voltage Monitoring
Auto Power Factor
10 Inputs (Fault + Stepper Reset, Binary program Select)
6 Outputs (3 Valve outputs EOS, Fault)

EN6001 Constant Current AC Controls

TABBED MENUS

EASY PROGRAMMING

- Schedule Number: 0 to **63**
- Squeeze Delay: 0 to 99 cycles
- Squeeze: 0 to 99 cycles
- Valve Mode: None / Combinations of Valve 1, and/or 2
- Weld1: 0 to 99 cycles
- Weld1 Current Regulation Mode: Phase Shift / Constant Current
- **Heat1: 0 to 99%**
- **Current1: 0 to 60.00 kA**
- **Cool1: 0 to 99 cycles**
- Slope: 0 to 99 cycles
- Weld2: 0 to 99 cycles
- Weld2 Current Regulation Mode: Phase Shift / Constant Current
- Heat2: 0 to 99%
- Current2: 0 to 60.00 kA
- Cool2: 0 to 99 cycles
- Hold: 0 to 99 cycles
- Off: 0 to 99 cycles
- Impulses: 1 to 99 cycles
- Heat/Current Offset: -15 to +15%
- Cycle Mode: Non-repeat / Repeat / Chained / Successive / Wait-here

FEATURES :

- **Constant current regulation / Secondary feedback**
- Current monitoring with high, low, and pre-limits
- Up to 64 programs **(internal or external selection)**
- **On Timer Membrane Keyboard with backlit 128x64 (8 lines) LCD graphic display**
- **Six (6) inputs and four (4) outputs with output protection on CPU**
- **Electrode management functions, including stepping, current and force counting, tip-dressing and preset curves**
- Welding programs may be linked together for complex spot schedules (chained or successive) Refresh firmware through USB device
- **Load/export control settings from/to USB device**
- AC 60/50 Hz welding supported
- Spot / Pulsation / Seam (quad heat) / Seam welding / Flash or Butt welding / Brazing
- Multiple weld intervals plus pulsation, upslope and downslope
- Air-over-oil gun operation
- Retraction – maintained, and momentary
- **Water Saver (contactor timer)**
- **Head lock function**

OPTIONS :

- Program Lockout (key switch) • Operation Mode Switch (Program Lockout and Weld/No Weld) • Error Reset Switch • Optional plug-in **Ethernet/RS232/RS485 cards provides PLC compatibility via MODBUS and EtherNet/IP for remote I/O**