EN6001 SINGLE PHASE AC Constant Current Control

The EN6001 series of resistance welding controls provide more features and options that are demanded today in the manufacturing environment, with an improved user interface that allows for easier programing and operator training at a lower cost than existing products
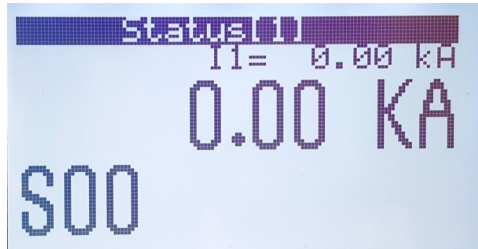
Key Features:

Primary/Secondary Constant Current
Auto Power Factor
Voltage Monitoring
Monitor High/Low Limits
64 Programs
Increased I/O
Touch Programing
USB Port
Optional Ethernet Module

EN6001 Constant Current AC Controls

CLEAR STATUS PAGES

EASY PROGRAMMING

- Schedule Number: 0 to **63**
- Squeeze Delay: 0 to 99 cycles
- Squeeze: 0 to 99 cycles
- Valve Mode: None / All combinations of 3 valves
- Weld1: 0 to 99 cycles
- Weld1 Current Regulation Mode: Phase Shift / Constant Current
- **Heat1: 0 to 99%**
- **Current1: 0 to 100.00 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 100.00 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

NEW EN6001 AC WELD CONTROLS

FEATURES :

•Constant current regulation; Primary / Secondary feedback

•Current monitoring with high, low, and pre-limits

•Up to 64 programs (internal or 16 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, 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 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 card provides PLC compatibility via MODBUS and Ethernet/IP for remote I/O *

Available Q1 2018