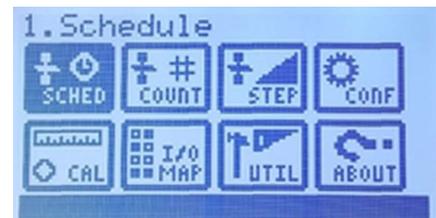# EN6001 Constant Current AC Controls

BENEFITS:

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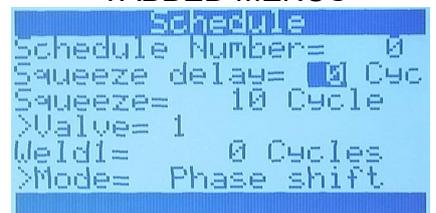USB backup Port

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)

•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

TABBED MENUS

EASY PROGRAMMING

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