



EN6001 SINGLE PHASE AC Resistance Weld Control

High Resolution Constant Current equals more Consistent Welds

Process Monitoring equals Reduced Scrap

Easy Weld™ Screen equals Reduced Operator Errors

Network Connectivity equals Improved Data Acquisition

Versatile Weld Schedules equals Greater Programing Flexibility



Easy Weld™ Screen Provides Simplified Operation

Easy Weld		
Use Schedule=		0
Edit Schedule=		0
Squeeze=	0	Cycles
Weld2=	0	Cycles
>Heat=	0%	
Cool2=	0	Cycles
Impulses=	1	

Key Features

- Primary/Secondary Constant Current
- Versatile Weld Schedules
- Current Monitoring
- Conduction Monitoring
- Voltage Monitoring
- Auto Power Factor
- USB Port for File Transfer
- Electrode Management
- Programmable I/O
- Configurable Error Map
- Detailed Status Screens
- EtherNet IP / Modbus TCP/IP
- Tactile Membrane Keys

Control Features

- Heat/Current Offset: -15 to +15%
- Cycle Mode: Non-repeat / Repeat / Chained / Successive / Wait-here
- Local / Remote Program Selection
- Part Counter / Weld Counter
- Electrode management functions including stepping, tip-dressing, and preset curves
- Spot / Pulsation / Seam welding / Flash or Butt welding / Brazing
- Momentary / Maintained Retraction
- Water Saver (contactor timer)
- Six (6) programmable inputs and four (4) programmable outputs with output protection on CPU
- Welding programs may be linked together for complex spot schedules (chained or successive)

SCHEDULE FEATURES

- Weld Schedules: 64
- Valve Mode: None / All combinations of 3 valves
- Squeeze Delay: 0 to 99 cycles
- Squeeze: 0 to 99 cycles
- Weld1 Current Regulation
 - Mode: Phase Shift / Constant Current
- Weld1: 0 to 99 cycles
- Heat1: 0 to 99%
- Slope: 0 to 99 cycles
- Weld2 Current Regulation
 - Mode: Phase Shift / Constant Current
- Weld2: 0 to 99 cycles
- 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

OPTIONS :

- Program Lockout Key Switch
- Operation Mode Switch (Program Lockout and Weld/No Weld)
- Weld Count / Part Count / Stepper Reset / Error Reset Pushbutton
- EtherNet/IP / Modbus TCP/IP Adapter Card
- ERG, PW, CES gun control