

EN6001 SINGLE PHASE AC Resistance Weld Control

High Resolution Constant Current equals more Consistent Welds

Process Monitoring equals Reduced Scrap

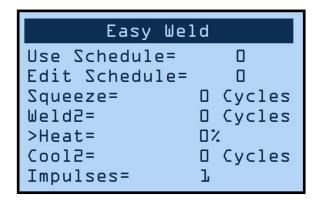
Easy Weld™ Screen equals Reduced Operator Errors

Network Connectivity equals Improved Data Acquisition

Versatile Weld Schedules equals Greater Programing Flexibility



Easy Weld™ Screen Provides Simplified Operation



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

Distributed by:

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