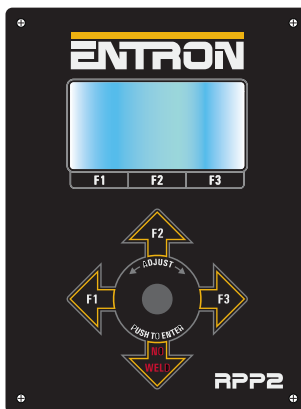


ENTRON™

Controls for Resistance Welding EN6021



Single Phase AC Constant Current Controls



Constant Current

- Control adjusts current output every cycle.
- No setup necessary for constant current operation.
- When optional secondary or primary coil is used, secondary amps are directly displayed.
- Current High, Low and Pre limits.
- Results of last weld available immediately.
- Pulse Width Monitor

PLC Compatible

- PLC compatible via MODBUS Function Code 04, 16 and 43 via low cost serial or ethernet interfaces.
- Design your own operator interface.
- Actuate Weld Control Inputs from PLC, minimal interconnecting wires required.



EN6000 ENLINK

*Standard with
every control !*

Communication software provides PC interface for USB or Ethernet interfaces.

Features

- USB B interface for ENLINK programming
- USB A Memory Stick Jack for Schedule backup
- USB A Memory Stick Jack for Weld Log storage
- Spot, Pulsation or Seam Sequence
- Programmable options: Slope, Preheat, Quench, Temper, Postheat
- Linked Programs
- External Schedule Select
- Event Outputs
- Advanced Error Outputs
- 100 Programs
- Repeat / Non-Repeat
- Water Saver Timer
- Programming in phase shift or kA
- 24 VDC flexible I/O (16 in/16 out); some mapable between weld functions, events and simple I/O sequences (16 in/16 out available for sequencer)
- I/O Sequencer/Programmer
- Stepper with Force and Current Presets
- Diverse schedule capabilities provide maximum application versatility
- 2) 4-20 mA / 0-10V analog input & output provided for pressure sensing & control
- Program Select
- Retraction
- Weld Log (28,800 entries) and Error Log (1,000 entries) with real time clock
- PLC compatible via MODBUS
- Shorted contactor detection

Options

- Detachable 128 x 64 dots graphic (8 lines) LCD Program Pendant (RPP2) with data backup and 10' cable
- Primary or Secondary coils
- Program Lockout
- Operation Mode Switch (OMS) – Program Lockout & Weld/No Weld
- Pressure Sense & Proportional Valve
- Isolation Contactor
- GFI for portable guns
- Water Flow Switch
- RS232/485/Ethernet communication card
- 16 DC in, 16 DC out and 4 AC out I/O expansion card
- USB Memory stick for backup

Exclusive ENTRON two year warranty

Expanded Capabilities (Requires additional software and/or hardware)

OPTIONS:

TO PROGRAM, YOU WILL NEED:

Program Pendant

(RPP2) (P/N 730014-001)

Detachable, hand-held pendant accesses all programmable variables and displays current and status.



- OR -

ENLINK 6000

(P/N 730014-010)

Communication software provides PC interface for remote programming and monitoring of control.



TO MEASURE CURRENT IN AMPS, YOU WILL NEED:

Secondary Rogowski Coils

(S5 - P/N 730014-005; S8 - P/N 730014-006)

Available in 5" or 8" diameters.

Provides actual secondary amperage measurements.



- OR -

Coil as part of Weld Transformer.

- OR -

Primary Coil

(P/N 313022)



I/O Expansion Card

(P/N 730014-008)

Provides additional 16 DC inputs, 16 DC outputs and 4 AC outputs.



Communication Card

(P/N 730014-007)

Provides ability to network multiple controls using ENLINK 6000.



Pressure Sense and Control Hardware

Using provided analog I/O or additional hardware:

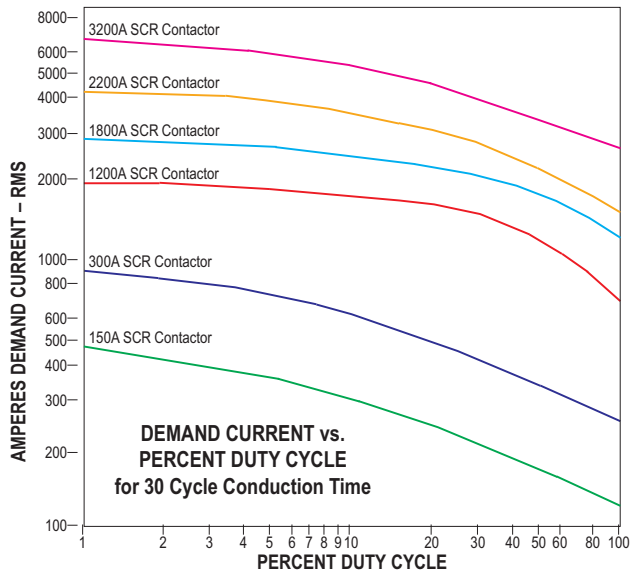
Differential sensors (P/N 730005-008)

Single-ended sensors (P/N 730005-005)

Proportional valves:

1/2" port (P/N 730005-007)

1 1/4" port (P/N 730005-006)



OPTIONS (cont.):

- GFI for portable guns

- RS232 Printer (P/N 730014-011)

- Data storage on USB memory stick

(P/N 730014-003)



- Operation Mode Switch (OMS) (P/N 730014-004)



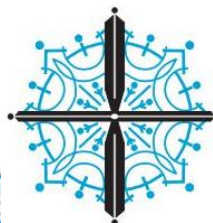
- Program Lockout (PLS)

(P/N 730014-009)



- Water Flow Switch

(P/N 730005-009)



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