



WeldComputer

The L-Series Inverter Resistance Welding Control

WeldComputer Corporation's L-Series Inverter Resistance Welding Control provides precise heat control with superior regulation for all mid-frequency DC, single phase and three phase resistance welding applications.

The system includes the following standard features:

- ✓ A programmable weld schedule structure capable of emulating any weld schedule function and providing capabilities far exceeding that of any other weld control.
- ✓ A simple to use operator interface that minimizes the time to set up new weld jobs.
- ✓ Virtually unlimited storage capacity for weld schedules on removable media.
- ✓ A proprietary precision heat control/line compensation system capable of rapidly offsetting the effects of severe voltage and line frequency variation.
- ✓ Programmable feedback parameters to allow optimization of the weld machine electrical performance.
- ✓ Eight optically isolated input and eight output modules to activate standard and special welding peripherals and perform other user-programmable functions that can eliminate the need for a separate PLC.
- ✓ For manual applications, a safety relay protects the operator by physically disabling weld valve and forge valve voltage when no weld initiation signal is present.



Options available:

- ✓ Wave Synthesis technology allows interfacing to any welding transformer (50-60Hz AC, 3 Phase or mid-frequency DC).
- ✓ Digital Contact Gauge to prohibit firing before a minimum cylinder pressure is reached.
- ✓ Digital Programmable Air Systems for setting cylinder pressures from the weld schedule.
- ✓ Programmable Motor Control for seam welders.
- ✓ 24 VDC Power Supplies for DC IO Modules and to power control.
- ✓ Extra eight optically isolated input and eight output modules for complex automated applications.
- ✓ Network upgrade that enables transmission of weld schedules to and from the plant network.
- ✓ Tip Travel Force Control System to protect the operator from serious pinch-point injury.
- ✓ Inverter assemblies ranging from 50 amps to 8000 amps to meet any welding application.

**WeldComputer® technology is protected by the following U.S. Patents:
4,714,913 4,742,473 4,803,331. Other Patents Pending.**

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