WeldComputer
The Technology Leader in Resistance Welding

MADE IN THE U.S.A.

Inverter Control

FOR RESISTANCE WELDING

Replacing your existing control with a WeldComputer® control is the easiest way to deliver consistent heat control performance, and alleviate the control as a source of variations that can lead to failed welds.

WHAT IT DOES

The WeldComputer® Inverter Control for Resistance Welding provides precise heat control with superior regulation for resistance welding applications. Inverter assemblies ranging from 50 amps to 8000 amps are available to meet any welding application.

WHY CHOOSE IT

1

LOWER COST OF OWNERSHIP

WeldComputer components are high quality and have longer lifecycles. As a result, our controls:

- Last Longer
- Provide Greater Reliability
- Deliver Extended Capital Investment Lifetime

2

RETROFIT TO ANY MACHINE

Our proprietary technology can work with any resistance welding machine and to any type of welding transformer:

- AC or MFDC
- Three Phase Full Wave
- Three Phase Half-Wave
- Frequency Converter

3

MODULAR STRUCTURE

WeldComputer's modular structure allows you to create the exact system to suit your needs, without paying extra for what you don't need, or restricting your access to more advanced technology down the road.

THIS ALLOWS THE SAME CONTROL EQUIPMENT TO BE CONFIGURED FOR MOST APPLICATIONS WITHOUT THE COST COMMONLY ASSOCIATED WITH CUSTOM SOLUTIONS.

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PRECISE CURRENT CONTROL
FOR ALL AC OR MID-FREQUENCY DC, THREE PHASE FULL WAVE, THREE PHASE HALF-WAVE, OR FREQUENCY CONVERTER RESISTANCE WELDING APPLICATIONS

Standard Features:

- Proprietary precision heat control/line compensation system capable of rapidly offsetting the effects of even severe voltage and line frequency variation
- Configurable weld schedule structure that emulates any weld schedule function and provides capabilities far exceeding those of any other weld control
- 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
- 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 the weld valve and forge valve voltage when no weld initiation signal is present.

Options Available:

- Inverter assemblies ranging from 50 amps to 8000 amps to meet any welding application
- Digital contact gauge to prevent 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
- Extra 8 optically isolated input & 8 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.