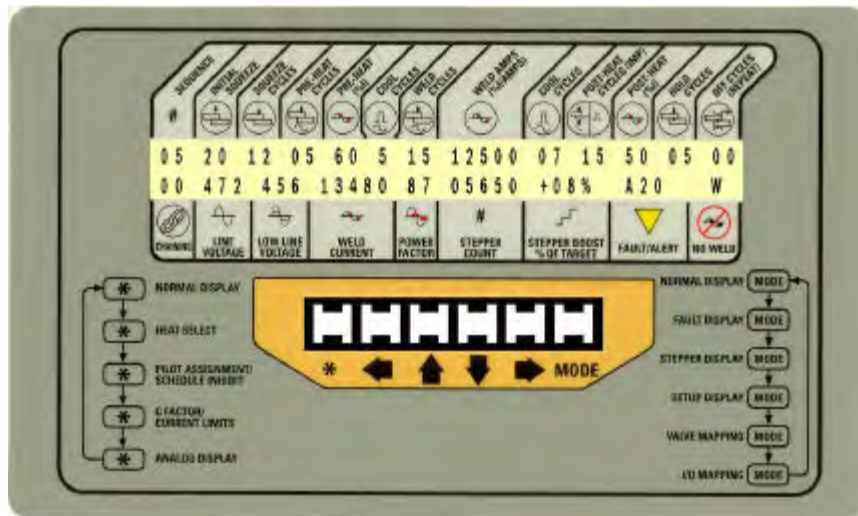




## MedWeld 2200

### Fixed Format Control with advanced capabilities

The MedWeld 2200 resistance weld control eliminates the need for a separate, costly weld monitor. The MedWeld 2200 provides both ease of use and ensures quality, repeatable welds. Its flexibility is unsurpassed in its category.



*Single glance view of all weld functions while monitoring current, voltage, and power factor feedback from the illuminated 2 line, 40 character display*

#### Key Features



- C-factor monitoring- useful in monitoring weld tool deterioration and current shunting
- Wait for line voltage function
- High/low weld current window limits
- Dynamic power factor compensation
- 1/2 cycle weld capability
- AVC or current compensation
- Selectable delayed firing prevents saturation of wound-core transformers
- Two Proportional Air Valve interfaces
- Successive Sequencing programmability
- Large repertoire of inputs and outputs
- Network Ready for Data Collection, Backup and Restore



# MedWeld 2200

## AC Control

### Standard Features

- Current monitoring and regulation capabilities standard
- "Wait for line voltage" function eliminates need for hard system interlocks
- Innovative C-Factor monitoring to detect welding current shunting away from the weld zone
- 63 weld schedules with preheat, weld, post heat, pulsation, and seam welding capabilities
- AVC and constant current capabilities for single-phase AC or DC welding transformers
- Security lockout through Program and Heat Display I/O features to protect weld setups
- Display show/hide setup allows you to define the accessible screens for your operators
- Six heat steppers for dealing with electrode wear
- Six tactile feedback push-button for simplified programming
- Fault output for ensuring your process remains under control
- Binary or Discrete Pilots with pilot assignments for initiation of any of the 63 schedules
- Up to 63 successive sequences can index any of the 63 weld schedules with up to 16 different steps
- Simple initiation of sequence being displayed by assigning "00" to all steps of a successive sequence
- Selectable Input and Output mapping capabilities of 16 inputs and 10 outputs for various machine configurations.
- Outputs 1 to 4 are equipped with Safe Relays (Pilot Controlled Relays) to prevent spurious operation
- Two local fixed inputs: Isolation Contactor Position & System Cooling Input
- Two local fixed outputs: Isolation Contactor Coil & Shunt Trip
- Schedule chaining features for elaborate welding needs
- Selectable second stage or palm switch input with beat or non-beat mode
- Built in Anti-Tie-Down hardware
- Worldwide proven performance with over 50,000 firing modules since 1993
- Network ready for WebVIEW and Bank Network Software

### Options

- Available in kits for retrofit or customized requirements
- Integral gun kit for manual or automatic operation
- Secondary current monitoring with 5" or 10" coil
- Circuit Breakers
- Isolation Contactors
- Remote Programming via DEP100 Pendant or through WebVIEW Networking Software.

Global Programmable Input / Output Population		
Number	Inputs	Outputs
1	Binary Select 1 / Pilot 1	Valve 1 / Binary Valve 1
2	Binary Select 2 / Pilot 2	Valve 2 / Binary Valve 2
3	Binary Select 4 / Pilot 3	Valve 3 / Binary Valve 4
4	Binary Select 8 / Pilot 4	Valve 4 / Binary Valve 8
5	Binary Select 16 / Pilot 5	Valve 5 / Binary Valve 16
6	Binary Select 32 / Pilot 6	Valve 6 / Binary Valve 32
7	Weld Initiate	Ohma Intensify
8	Weld / No Weld	Weld In Progress / Initiate Ack
9	Control Stop	Fault
10	Isolation Contactor Saver	Alert
11	Stepper Reset	Steppers are Reset
12	Fault Reset	Weld Complete
13	Tip Dress Reset	Ready to Weld
14	Pressure Switch	End of Stepper
15	2nd Stage	Steppers Approach Max
16	Retract Pilot 1	Water Saver Valve
17	Retract Pilot 2	Retract Valve 1 / Ohma Block 1
18	Anti-Tie Down	Retract Valve 2 / Ohma Block 2
19	Transformer Over Temp	End of Hold
20	No Stroke / No Weld	Pressure Select 1
21	Program Mode Security	Pressure Select 2
22	Heat Display Security	Pressure Select 3
23		Pressure Select 4
24		Weld / No Weld Output
25		Weld Mismatch
26		Forge Valve
27		Advance Valve 1 (Ohma)
28		Advance Valve 2 (Ohma)

*The new MedWeld 2200 has configurable machine interface that can be mapped to a bank of 16 inputs and 10 outputs.*