

Serratron 100C

Weld Controller For AC Resistance Welding



Applications

- Spot, projection and seam welding.
- Up to 4 inverters & up to 4 weld guns.

Operating Modes

- MUX: One thyristor group (AC single phase welding)
- PLC: All I/O free programmable.

127 Welding Programmes

- 3 Welding time sequences & pulsations & up / down slope.
- Operation in phase shifting, current monitoring or constant current mode.
- Voltage changes compensation function.
- 1/2 wave welding function.

Electrode Wear Compensation

- Predefined curves (can be edited)
- Easy tuning, few parameters to be adjusted.

Tip Dressing Function

Coldfire embedded microprocessor Central Programming

- Ethernet 10/100 base-T (Standard)
- Ethernet 10/100 base-FL (Optical Fiber - under request)
- TCP / IP Protocol

CPC - Connect Programming Software

- Via ethernet for lap-top

PLC

- 20 Inputs 16 Outputs 0,7 A short circuit protected.
- Up to 260 I + 256 O using external expansion modules.
- User interface TP-10: messages and commands managed by PLC program.
- Ladder mode programming (up to 990 equations)
- Marks, latches, timers, counters, welding functions

Analogue Output for Proportional Valve

- 0 -10 V/4 - 20 mA / 0 - 20 mA



Compatible with Serra HMI

Field Buses:

Optional modules for robot installations:

- 100ib InterBus
- 100dp Profibus-DP
- 100net DeviceNet



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