



Computer Weld Technology, Inc.

WSC II™ Weld Sequence Control

The WSC II™ Weld Sequence Control from Computer Weld Technology, Inc. can bring total weld process control to your system. Based on an embedded micro controller, this unit provides two 0-10 VDC programmable outputs, one to control the welding power source and the second, a CWT Capstan Wire Feed Motor PWM Drive Control. Also provided are 32 user selectable weld schedules and an optional 2-line 16-character Alpha Numeric LCD display for programming the weld schedule data and to configure the control options. The controller can be easily interfaced to your application and can provide state-of-the-art control of your welding process with a simplicity that is hard to find elsewhere.



WSC II™ - Local Display Configuration



WSC II™ Connector Panel

With 32 programmable weld schedules, the WSC II™ provides total flexibility in your welding environment. This controller can be used to standardize the integration for all weld processes. The WSC II™ can be supplied with or without a local display and programming switches. The controller without a local programming display and switches needs to be programmed with either the WRP II™ Weld Remote Pendant for on-line programming or the EZ-Edit Plus™ RS-232 Terminal Program for off-line programming. The controller with a local programming display and switches can be programmed directly from its front panel or use the EZ-Edit Plus™ for off-line programming.

Whether new or old, CWT's new WSC II™ can bring total weld process control to your system. The control provides a standardized interface for all welding systems. It can be used to control GMAW, SAW, PAW and GTAW welding systems. The control will interface to most all solid state welding power sources and wire feed drives. The optional PWM motor drive can be provided that will control most low volt wire drive motors. The control provides a simple user definable Max/Min scaling to calibrate the external power source output and wire drive speed range.

FEATURES

- Two isolated analog 0-10 VDC outputs and five solid-state isolated relay outputs
- Nine 24 VDC optically isolated inputs and three 0-10 VDC analog inputs
- Optional EZ-Edit Plus™ RS-232 Terminal Program for off-line programming
- On-Line programming available with the WRP II™ Weld Remote Pendant or from local display
- Weld event and I/O Status LED's

BENEFITS

- Provides simple interface to solid state power supplies and wire drive controls
- Allows remote user interface and weld schedule selection and provides remote control of the run time AMP/VOLT or Wire Speed parameters
- Provides off-line weld schedule development and system configuration
- Provides a standardized user interface with easy to use menu driven display and fault status messages
- Indicates operational and I/O status

WSC II™ SPECIFICATIONS

WSC II™ Product Part Numbers for use with Weld Remote Pendant

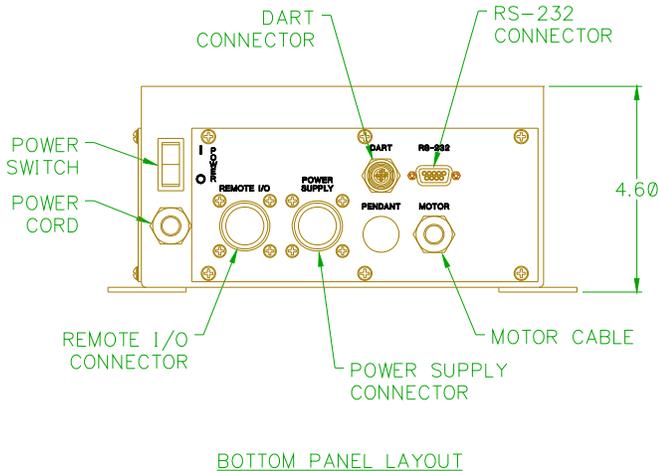
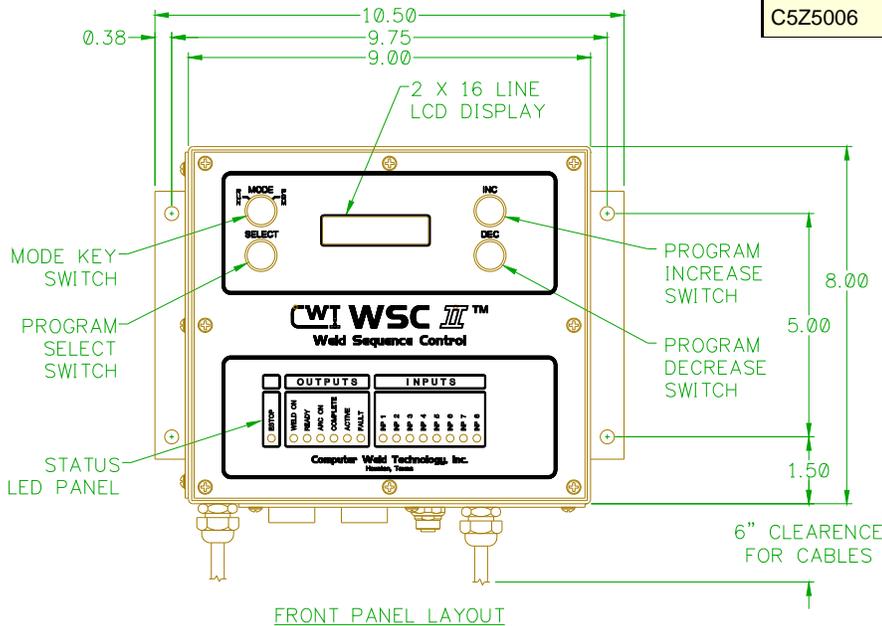
Part Numbers	Description
S0A5044	WSC II™ Weld Sequence Control without Motor Control (110 VAC)
S0A5046	WSC II™ Weld Sequence Control with 9cm Motor Control (110 VAC)
S0A5056	WSC II™ Weld Sequence Control with 12cm Motor Control (110 VAC)
S0A5048	WSC II™ Weld Sequence Control without Motor Control (220 VAC)
S0A5050	WSC II™ Weld Sequence Control with 9cm Motor Control (220 VAC)
S0A5058	WSC II™ Weld Sequence Control with 12cm Motor Control (220 VAC)
S3A5066-WSC	WRP II™ Weld Remote Pendant (for use with either 110 or 220 VAC)

WSC II™ Product Part Numbers with Local Display

Part Numbers	Description
S0A5045	WSC II™ Weld Sequence Control without Motor Control (110 VAC)
S0A5047	WSC II™ Weld Sequence Control with 9cm Motor Control (110 VAC)
S0A5057	WSC II™ Weld Sequence Control with 12cm Motor Control (110 VAC)
S0A5049	WSC II™ Weld Sequence Control without Motor Control (220 VAC)
S0A5051	WSC II™ Weld Sequence Control with 9cm Motor Control (220 VAC)
S0A5059	WSC II™ Weld Sequence Control with 12cm Motor Control (220 VAC)

EZ-Edit Plus™ RS-232 Terminal Program

Part Numbers	Description
C5Z5006	EZ-Edit Plus™ RS-232 Terminal Program



WSC II™ Specifications

Dimensions	8.0" H x 10.5" W x 4.6" D (203mm x 267mm x 117mm)
Power Input	110 or 240 vac 50/60 hz @ 0.2kw
Operating Temperature	-10°F to +140°F (-23°C to +60°C)
Relay Outputs	24 vdc @ 1 amp normally open contact
Switch Inputs	5—24 vdc @ 1.0—8.0 ma
Analog Outputs	10-vdc precision reference output. 10-bit resolution (10 mv resolution). Maximum output current 10 ma. Output is short circuit protected.
Encoder Input	Pulse accumulator input 5.0 vdc TTL level with 4.7K pull-up. Maximum input frequency 15 khz.
Analog Inputs	0-10 vdc input, 8-bit resolution, 10 k ohm input impedance, non-isolated with over-voltage and polarity protection