

IN STOCK at  **T. J. SNOW**

A PREMIER AUTHORIZED DISTRIBUTOR FOR WTC

WT4000 AC

Flexible Format Control with Advanced Capabilities



The WTC Series 4000 resistance weld control is unsurpassed in its flexibility and simplicity for a powerful control system.

Quality welds with repeatable performance is made possible with the control tools made available by the Series 4000 control.

- Current Regulation & Voltage Control Mode - within one Weld
- Multi-Language Programming (English & Alternate)
- Total I/O Programmability
- Local Safety I/O Embedded
- Free Format Programming for Various Applications
- Network Ready using WebVIEW for Weld Data Collection
- Various I/O Connectivity such as DIO, Device Net, ProfiBus
- Weld Tool Efficiency Monitoring (C-Factor)
- Weld Transformer Protection (Delayed Firing Prevents Saturation)
- Dynamic Squeeze Functions
- Wait for Line Voltage—Asynchronous Load Scheduling
- Laptop or DEP Interface for Programming and Data Acquisition
- Analog Interface Port for Controlling Welding Force
- Large Repertoire of Inputs & Outputs
- 380 - 480 - 600 VAC 50/60hz
- Modular Design for Ease of Maintenance

Supported Languages
English, French, Spanish, Portuguese



T. J. SNOW

HELPING CUSTOMERS SUCCEED IN
RESISTANCE WELDING FOR 50 YEARS

WT4000 AC Welding Control

WT4000 AC Portable Weld Station

- 400 Amp, 2 Pole Circuit Breaker with Magnetic and External Shunt Trip
- Single Operator - Two Welding Guns
- Operator Panel with Tip Dress and Cap Change Control Buttons
- 265KVA, 200KVA, 160KVA Weld Transformer - 380-480-600VAC 50/60Hz Mains (choose one of 9 Selections)
- Integrated 4000 Processor Module
- Dimensions (116H x 100W x 86D (mm)) - 250Kg
- Network - MedLAN to WebVIEW
- Tip Dress Management Interface
- Pneumatic Panel - with Proportional Valve Control
- Six discrete Air Valves
- Water flow valve with electronic flow monitor (optional)



*Pneumatic / Water Panel
on rear side*



*WCU / Operator Panel
on front side*

Programming Interfaces

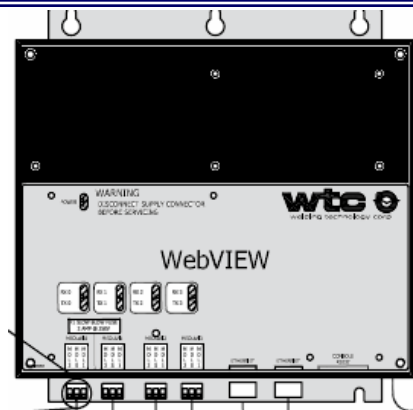


DEP 100



DEP 300

These devices are used to interface the user to the WT4000 weld control for programming parameters and reviewing welding data.



WebVIEW



T. J. SNOW CO., INC.

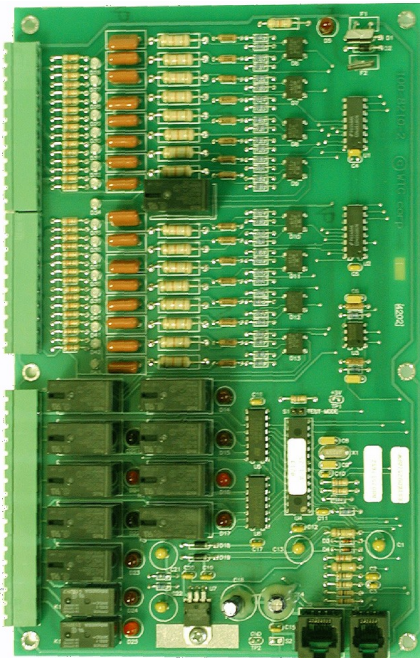
1-800-NOW-SNOW

<http://www.tjsnow.com>



wtc

WT4000 Configurable Designs



Programmable DIO Module "821"

16 Inputs / 10 Outputs with each point configurable by programming

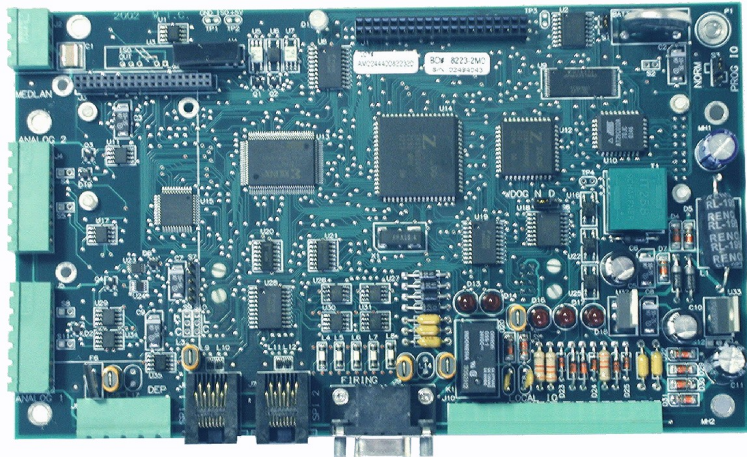
Analog Ports Available

Complimentary Analog I/O
Output: 4 - 20 mA (+I Loop, -I Loop)
Input: 0 - 10V (+Vout, -Vout)

There are other variations of circuit boards to produce the WT4000 control including compact 24V DIO and new enhanced processor modules.

Welding Control Module "822"

Completely programmable for various resistance welding tasks

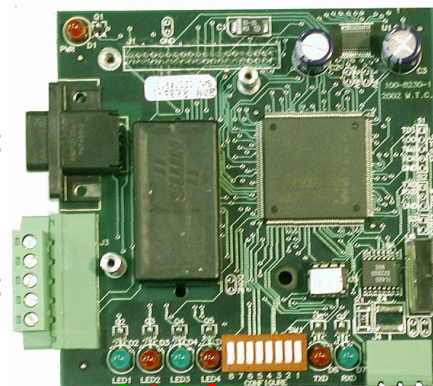


Serial Interface Module "823"

Allows quick I/O interface for Device Net or ProfiBUS

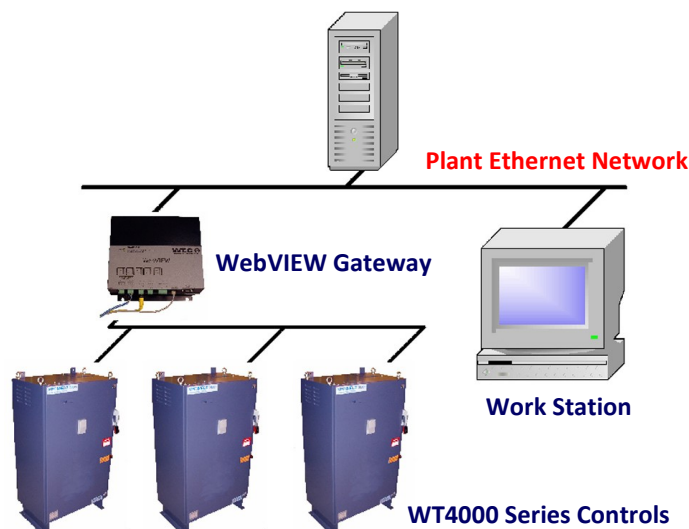
ProfiBus Port

Device Net Port



**DNet / ProfiBus
Diagnostic LEDs**

**Configuration
Switches**



All WTC welding controls are network ready.

The WT4000 Series control uses a simple RS485 MedLAN network that daisy chains up to 30 controls on one channel. The information from these controls can be brought to the plant's Ethernet network by means of a WebVIEW Gateway.

The WebVIEW Gateway is available in Single, Dual, and Quad Channel Configurations.



WT4000 Connectivity

- 0 Analog Interface Ports
- 0 Local I/O Port
- 0 DIO, Device-Net or ProfiBus
- 0 Serial RS485 Port
- 0 Local Programming Port

Optional Devices

Data Entry Panels (DEP100,300)

Weld Interface Laptop Software

WebVIEW

Weld / RAFT Gateway Network Software

WT4000 Welding Applications

Systems Integrator Kit Configurations

Portable Gun Station Controls

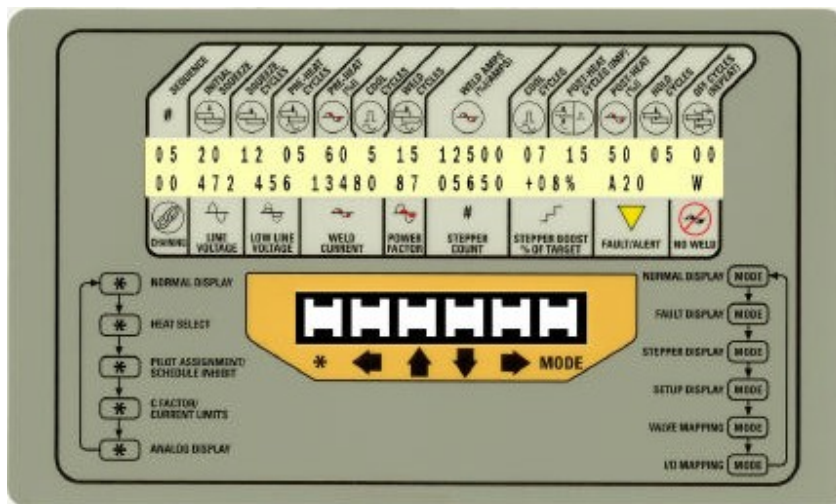
Seam Welding

Robotic Welding

Projection Welding

Power Source	
Voltage:	Single Phase AC 220V - 600V (± 10%)
Line Power Frequency:	50/60Hz (Automatic Selection)
Device Type:	SCR
Power Consumption:	70VA (Idling Condition)
Processor	
Weld Processor:	WT4000 Integrated
I/O Protocol:	Device Net, DIO, or PROFIBUS
Number of weld schedules:	Up to 63 - varies by user application
Number of steppers:	Up to 32 - varies by user application
Processor Storage Type:	RAM (Battery Required)
Weld Processor Languages:	English with some options for one alternate French, Spanish, Portuguese
Monitoring and Control Functions	
Firing modes:	Primary Constant Current Automatic Voltage Control
Primary Current Range:	20A to Rated Current Level
Primary Current Accuracy:	± 1% Setting, ± .5% Repeatability
Machine Monitoring Functions:	Analog Input Window Functions Programmable Input Wait / Extend Functions Dynamic Weld Gun Squeezing Functions Wait for Line Voltage Functions C-Factor Monitoring and Limit Functions

WT2000 Option



WT2000 Weld Control

For stand alone welding equipment, the WT2000 resistance weld control eliminates the need for a separate, costly weld monitor. The WT2200 provides both ease of use and ensures quality, repeatable welds. Its flexibility is unsurpassed in its category. Fixed welding schedules are

Single glance view of all weld functions while monitoring current, voltage, and power factor feedback from the illuminated 2 line, 40 character display. The WT2000 uses the same base control boards as the WT4000.



T. J. SNOW CO., INC.

1-800-NOW-SNOW

<http://www.tjsnow.com>



wtc