

Integrated Control Station (ICS) Specifications

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Physical -

- **Dimension:**
 - Control/Operator Interface Panel: 8 3/4 x 10 1/2 x 2 3/4 Inches
 - Digital I/O Wiring Panel: 17 x 9 x 3 Inches
 - Analog I/O Wiring Panel: 10 1/2 x 4 1/2 x 2 Inches
- **Control/Operator Interface Panel:**
 - 2 each Displays - 4 Digits each for Total of 8 digits
 - 32 each Status/Pointer Lights (LEDS)
 - Red, Green, Yellow or Blue
 - Steady or Flashing
 - 16 each Switch contacts
 - Push button, 2 Position toggle, 3 Position toggle or Momentary
 - Definable placement of Lights and Switches. 65 positions
 - Definable Panel text, pictures and colors
- **Mounting:** Surface
- **Connectors:**
 - Input/Output/Power: Screw terminals. Wire Range: 22 - 12 AWG
 - Panel Interface: Plug and Play Cables
 - RS-232: Male 25 pin Subminiature D

Electrical -

- **Supply Voltage:** 12 VDC.
- **Current draw:** Nominal 1 A
- **CPU's:** 2 each Industrial Hardened Parallel Microprocessors
- **Real Time Clock:** Perpetual
- **Battery:** Internal, rechargeable
- **Inputs:**
 - Analog: 8 Each
 - Resolution: 12 bits. Successive Approximation
 - Range: 0 - 5 VDC
 - Discrete Contact Closure: 32 each
- **Outputs:**
 - Analog: 8 Each.
 - Resolution: 12 bits
 - Range: 0 - 20 mADC
 - Relay Contact: 32 Each (Field Replaceable)
 - Type: DPDT
 - Standard Contacts Rating:
 - 28 VDC @ 7.5 A Max. Resistive
 - 110-115 VAC @ 3.8 A Max. Resistive
 - 220-240 VAC @ 2.2 A Max. Resistive



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Software -

- **Diagnostics:**
 - Built In Self Check
 - Watch Dog Timer
- **Memory:**
 - Non-volatile Static RAM
 - Life: 1 Million store cycles. (Store cycles only when power removed)
 - Data Retention: 100 years
- **Configuration Interface:** Configured via Front Panel or RS-232 and PC*

Communications -

- **RS-232C:**
 - Baud Rates:
 - Default: 1200
 - Selectable: 300 - 19200
 - Bit Format:
 - Default: 8 Bits, 1 Stop, No Parity.
 - Selectable: 7 - 8 Bits, 1 - 2 Stop, Even or Odd Parity
- **Protocols:**
 - Default: ASCII
 - Selectable:
 - Modbus
 - TCP/IP
 - Customer specified
- **Connections:**
 - Default: Computer
 - Selectable:
 - Telephone Modem
 - Radio Modem:
 - Adjustable RTS Delay
 - Default: Full-Duplex
 - Selectable: Half-Duplex

Performance -

- **Accuracy:** 0.1% (Calibration/Linearity/Hysteresis/Repeatability)
- **Temperature Coefficient:** 0.005 % / Deg C
- **Warranty:** 7 Years, Transferable

Environmental -

- **Operating Temperature:** -30 to 80 degrees C operation
- **Operating Humidity:** 5 to 85% Humidity

Warranty -

- 7 years. Transferable * Personal Computer

