

Product Specification

West 8600 1/8 DIN Plastics Controller



The West 8600 temperature controller can measure and display the heater current. Special heater break alarms give early warning of element failure, to protect equipment and product. A soft-start feature is available for process warm up.

- Heat/Cool operation
- **Process & Heater alarms**
- Soft Start
- **Ramping setpoint**
- Current "Quick Transfer"
- **Current Display**
- **RS485 Comms**

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PC configuration

Full PID with Pre-tune, Self-tune, Manual Tuning, or On-Off control. Heat only or heat & cool Allows lower SP value and cycle time during the process start-up phase

Selectable from front panel, with bumpless transfer. Instant power-off feature also available as standard Up to 4 total. Max 2 for control (Heat & Cool), max 3 for Alarms, max 1 for retransmit Process value or Setpoint Process high, process low, SP deviation, band, logical OR Current low or high, (in absolute amps or % of nominal current) plus contactor/thyristor short circuit 4 button operation, dual 4 digit 10mm & 8mm high LED displays, plus 3 LED indicators Off-line configuration from serial port to dedicated config socket (comms option not required)

J, K, R, S, T, B, L, & N. 3 Wire PT100, 50 Ω per lead maximum (balanced) >100MΩ +/- 0.25% of input span +/- 1 LSD (T/C CJC better than 0.7°C) 4 per second, 14 bit resolution approximately <2 secs, control O/P's turn off, high alarms activate for thermocouple ranges, low alarms activate for RTD 0-50mA secondary from external current transformer. Display is scaleable up to 100 amps Contacts *SPDT 2Amp resistive at 240V AC,>500,000 operations.*Dual relay=SPST for O/P's 2 & 4 Drive capability, output 1= >10V DC into 500Ω min, output 2= >4.3V DC into 250Ω min 0.01 to 1 Amp AC 20 to 280V, 47 to 63Hz 0-20/4-20mA into 500 Ω max, 0-10/0-5V into 500 Ω min. Accuracy typically +/- 0.25% 2 Wire RS485, 1200 to 9600 Baud, Modbus or West ASCII (Selectable) Volt free or TTL input. Selects between 2 setpoints or quick transfer of heater current as nominal value 0 to 55°C (-20 to 80°C storage), 20% to 95%RH non-condensing

100 to 240V 50/60Hz 7.5VA (optional 20 to 50V AC 7.5VA/22 to 65V DC 4W) IEC IP66 (Behind panel protection is IP20)

CE, UL & ULc

Technical Data

Features

Control Types Soft Start Auto/Manual

Output Configuration

Process Alarm Types Heater Break Alarm Types

Human Interface PC Configuration

Input

Thermocouple RTD Impedance Accuracy Sampling Sensor Break Detection

Heater Current **Outputs & Options** Ctrl & Alarm Relays

Control SSR Outputs Solid State (Triac) Outputs **Retransmit Outputs** Communications **Dual SP/Current Transfer**

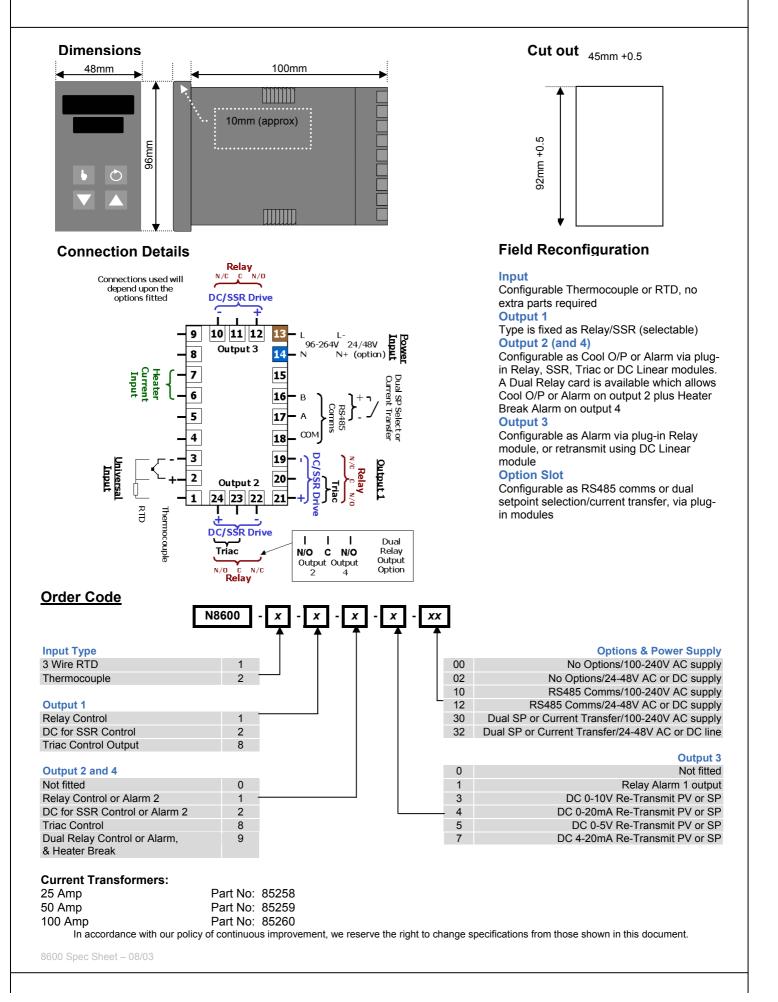
Operating & Environmental

Temperature & RH Power Supply Front Panel Protection Approvals and Certification

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