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## West 6400 1/16 DIN Profiler Controller



The 6400 is one of the most powerful profilers of its size available. It features our proven RaPID fuzzy logic control algorithm, for faster, more accurate control. Four programs can be held in memory.

- Free-form programming
- Delayed start
- Guaranteed soak
- Power fail recovery
- CE

## **Technical Data**

## Features Control Types

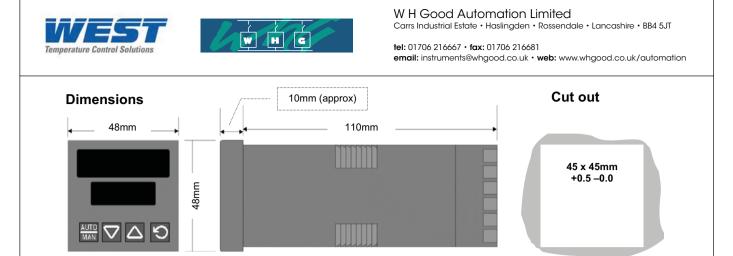
Auto/Manual **Output Configuration** Alarm 1 & 2 Types Human Interface PC Configuration **Profiles** Number of Programs **Delayed Start Guaranteed Soak Program Cycles** Ramp Rate Definition Power Loss Recovery Input Thermocouple RTD DC Linear Impedance Accuracy Sampling Sensor Break Detection **Outputs & Options** Control/Alarm/Event Relay DC for SSR DC Control/Retransmit Solid State (Triac) Remote Run-Hold Communications **Operating & Environmental** Temperature & RH Power Supply Front Panel Protection Approvals and Certification CE. UL & Ulc

Selectable from front panel, with bumpless transfer Up to 3 total. Max 2 for control (Heat & Cool), max 2 for Alarms, max 1 for retransmit PV or SP Process high, process low, setpoint deviation and band 4 buttons, 10mm & 8mm high LED's, plus run-hold, tune, event & profile/control status LED's Off-line configuration & profile editing via config socket (comms option not required) 4, each with 16 free-form segments (Ramp/Dwell/End). Max segment length 99 hours 59 minutes Max 99 hours 59mins delay from initiation to program start Holds program if PV is outside of specified hold band during dwell segments. 1 to 9999 or infinite (continuously re-starts program at end) Either ramp rate, or time to final setpoint Hot (continue profile from point of power fail) or Cold (end profile and return to controller mode) J, K, R, S, T, B, L, & N. 3 Wire PT100, 50 $\Omega$  per lead maximum (balanced) 0-20/4-20mA, 0-50/10-50mV, 0-5/1-5/0-10/2-10V. Scaleable -1999 to 9999, dec point available >100M $\Omega$  for Thermocouple and mV ranges, 47K $\Omega$  for V ranges and 4.7 $\Omega$  for mA ranges +/- 0.25% of input span +/- 1 LSD (T/C CJC better than 0.7°C) 4 per second, 14 bit resolution approximately <2 secs (except zero based DC ranges), control O/P's turn off, \*high alarms activate (\*low for RTD inputs) Contacts SPDT 2Amp resistive at 240V AC, >500,000 operations Drive capability >4.2V DC in 1K $\Omega$  minimum (10V 500 $\Omega$  version available) 0-20/4-20mA into 500 $\Omega$  max, 0-10/0-5V into 500 $\Omega$  min. Accuracy, Control OP +/- 0.5%, Retransmit +/- 0.25% 0.01 to 1 Amp AC 20 to 280V, 47 to 63Hz Volt free or TTL input (Hold = -0.6 to 0.8V or contact open, Run = 2 to 24V or contact close) 2 Wire RS485, 1200 to 9600 Baud, Modbus protocol 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)

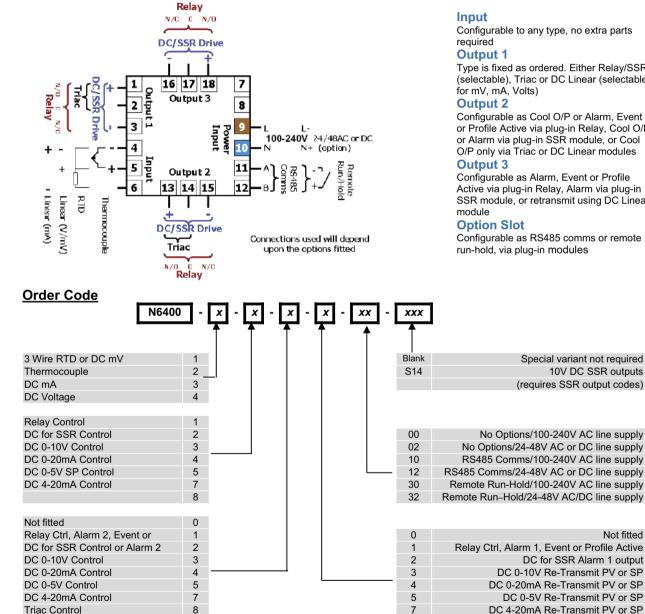
PID with Pre-tune and RaPID fuzzy logic, or Manual Tuning. Heat or Heat/Cool, applications

Call us now on **01706 216667** 

- Event/Profile active outputs Remote start
  - Modbus comms



## **Connection Details**



In accordance with our policy of continuous improvement, we reserve the right to change specifications from those shown in this document. 6400 Spec Sheet - 08/03

**Field Reconfiguration** 

Configurable to any type, no extra parts

Type is fixed as ordered. Either Relay/SSR (selectable), Triac or DC Linear (selectable

Configurable as Cool O/P or Alarm, Event or Profile Active via plug-in Relay, Cool O/P or Alarm via plug-in SSR module, or Cool O/P only via Triac or DC Linear modules

Configurable as Alarm, Event or Profile Active via plug-in Relay, Alarm via plug-in SSR module, or retransmit using DC Linear

Configurable as RS485 comms or remote run-hold, via plug-in modules

Not fitted

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