

# Product Specification

# West 2300 1/32 DIN Indicator & Controller



The West 2300 is available as an indicator or controller. Small size does not come at the expense of features, they have large 10mm high displays, 2 amp relays and full 3-wire PT100 inputs. The controller features our hands-free Easy Tune PID algorithm

Red or Green DisplayTwo process alarms

Setpoint Lock

RS485 comms

- 3-Wire PT100 or T/C
- Manual or Easy Tune
- On Control Indicator
- 0.1% Accuracy

## **Technical Data**

#### Features

Functions Control Types Setpoint Lock Output Configuration Alarm 1 & 2 Types Human Interface

Dual Setpoint Selection

Thermocouple RTD DC Linear Impedance Accuracy Sampling Sensor Break Detection

Outputs & Options Control & Alarm Relays

Control SSR Outputs Communications Operating & Environmental

Temperature & RH Power Supply Front Panel Protection Approvals and Certification Three term PID controller, indicator with alarms or indicator only versions available Controller versions have PID with Easy-tune, manual tuning plus pre-tune or On-Off control Limits operator access to the controller setpoint value Up to 3 Total. Max 1 for control, max 2 for Alarms Process high, process low, setpoint deviation and band 3 button operation, 4 digit 10mm high LED display (available in either red or green), plus oncontrol, set-up, alarm and setpoint indicators Front panel selection of SP1 and SP2 on controller versions

### J, K, R, S, T, B, & N

3 Wire PT100, 50Ω per lead maximum (balanced) 0-20mA, 4-20mA, 0-50mV, 10-50mV. Scaleable -1999 to 9999, decimal point as required >10MΩ for Thermocouple and mV ranges, 4.7Ω for mA ranges +/- 0.1% of input span (0.25% for J & T T/C) +/- 1 LSD (T/C CJC better than 0.7°C) 4 per second, 14 bit resolution approximately <2 seconds (except on 0-20mA range), control O/P's turn off, high alarms activate for T/C and mV ranges, low alarms activate for RTD, mA ranges Contacts SPDT 2Amp resistive at 240V AC, >500,000 operations (if comms or 2<sup>nd</sup> relay is fitted, all relay contacts become SPST) Drive capability >10V DC into 500Ω minimum 2 Wire RS485, 1200 to 9600 Baud, Modbus 0 to 55°C (-20 to 80°C storage), 20% to 95%RH non-condensing

100 to 240V 50/60Hz 7.5VA (optional 12 to 24V AC 7.5VA /12 to 30V DC 4W) IEC IP66 (Behind panel protection is IP20) CE, UL & ULc

