### Features
- Control Types: Easy Tune PID (with adjustable cycle time) or On-Off control
- Output Configuration: Control Relay or SSR, plus optional Alarm Relay
- Alarm Type: Process high, process low, setpoint deviation or band
- Human Interface: 3 button operation, 3 digit 13mm high red LED display, plus on-control, set-up, alarm and setpoint indicators
- On-Control Indicator: Off below setpoint, on at setpoint, flashing above setpoint

### Input
- Thermocouple Types: J, K, T, L, & N
- Thermocouple Ranges: 0 to 100, 200, 300, 400, 500, 600, 700 or 800°C (max temperature 400°C for type T)
- RTD Type: 3 Wire PT100, 50 per lead maximum (balanced)
- RTD Ranges: -50 to 100, 200, 300, 400, 500, 600, 700, 800°C or 0.0 to 99.9°C
- Impedance: >100M
- Accuracy: +/- 0.25% of input span +/- 1 LSD (T/C CJC better than 0.7°C)
- Sampling: 4 per second, 14 bit resolution approximately
- Sensor Break Detection: <2 secs, control output turns off, high alarm activates for T/C input, low alarm activates for RTD input

### Outputs & Options
- Control & Alarm Relays: Contacts SPDT 2Amp resistive at 240V AC, >500,000 operations
- Control SSR Outputs: Drive capability >10V DC into 500 minimum

### Operating & Environmental
- Temperature & RH: 0 to 55°C (-20 to 80°C storage), 20% to 95%RH non-condensing
- Power Supply: 100 to 240V 50/60Hz 7.5VA (optional 20 to 50V AC 7.5VA/22 to 65V DC 4W)
- Front Panel Protection: IEC IP66 (Behind panel protection is IP20)
- Approvals and Certification: CE, UL & ULc
Dimensions

45 x 45mm
+0.5 –0.0

Connection details

Field Reconfiguration

Input
Configurable for thermocouple or RTD, no extra parts required

Output 1
Type is fixed as Relay or SSR, not field configurable

Output 2
Type is fixed as None or Alarm Relay, not field configurable

Ordering Code

N6500 - x - x - x - 0 - xx

Input Type
3 Wire RTD 1
Thermocouple 2

Output 1
Relay Control 1
DC for SSR Control 2

Power Supply
00 100-240V AC line supply
02 24-48V AC or DC line supply

Output 2
0 Not Fitted
1 Relay Alarm Output
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Specifications are subject to change without notice, as a result of continual development and improvement. E&OE

Brochures and datasheets are available for the complete range of West Control Solutions products, contact your local sales office or visit our website at: www.west-cs.com for more information.