



6500 1/16 DIN Simplified Temperature Controller



Thermocouple or RTD
 Easy Tune (PID) or On/Off
 On control indicator
 Optional process alarm
 Foolproof operation
 Setpoint lock
 Alarm lock



Specification

Features

Control Types
 Output Configuration
 Alarm Type
 Human Interface

On-Control Indicator

Input

Thermocouple Types
 Thermocouple Ranges

RTD Type

RTD Ranges

Impedance

Accuracy

Sampling

Sensor Break Detection

Outputs & Options

Control & Alarm Relays

Control SSR Outputs

Operating & Environmental

Temperature & RH

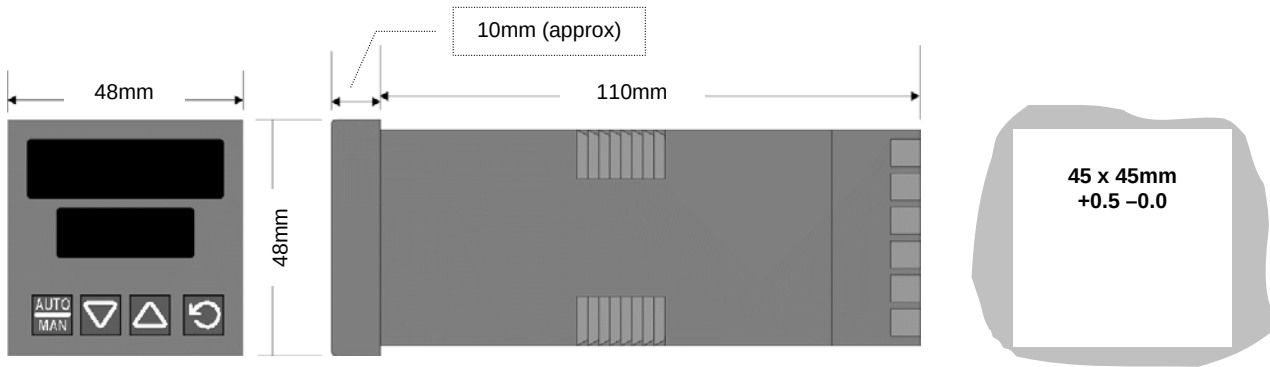
Power Supply

Front Panel Protection

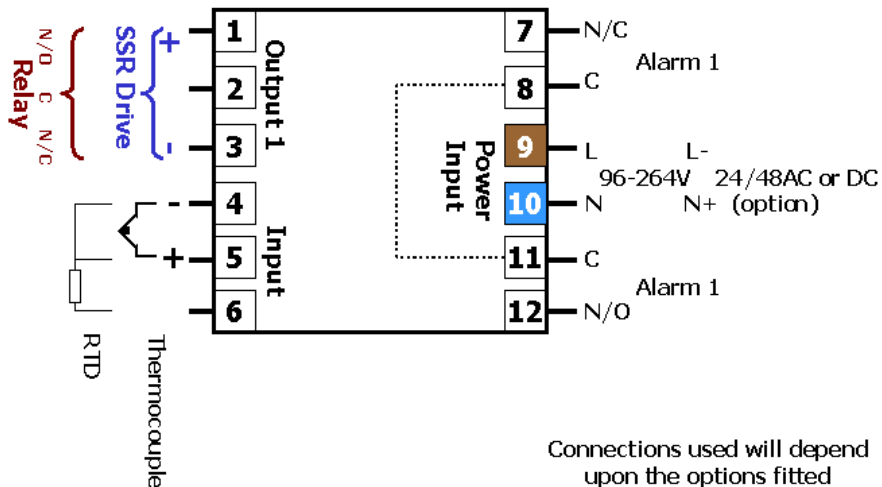
Approvals and Certification

Easy Tune PID (with adjustable cycle time) or On-Off control
Control Relay or SSR, plus optional Alarm Relay
Process high, process low, setpoint deviation or band
3 button operation, 3 digit 13mm high red LED display, plus on-control, set-up, alarm and setpoint indicators
Off below setpoint, on at setpoint, flashing above setpoint
J, K, T, L, & N
0 to 100, 200, 300, 400, 500, 600, 700 or 800°C (max temperature 400°C for type T)
3 Wire PT100, 50 per lead maximum (balanced)
-50 to 100, 200, 300, 400, 500, 600, 700, 800°C or 0.0 to 99.9°C
>100M
+/- 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 output turns off, high alarm activates for T/C input, low alarm activates for RTD input
Contacts SPDT 2Amp resistive at 240V AC, >500,000 operations
Drive capability >10V DC into 500 minimum
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

Dimensions



Connection details



Field Reconfiguration

Input

Configurable for thermocouple or RTD, no extra parts required

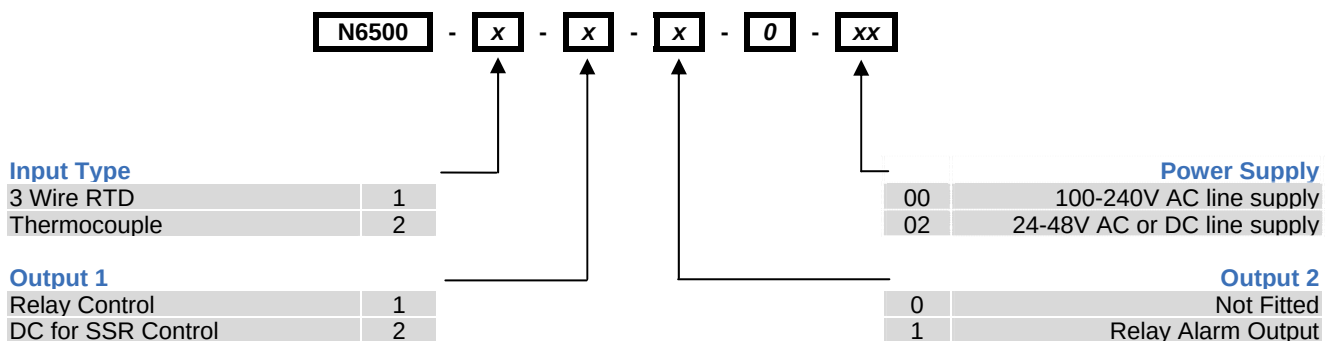
Output 1

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



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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.

Specifications are subject to change without notice, as a result of continual development and improvement, E&OE