



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

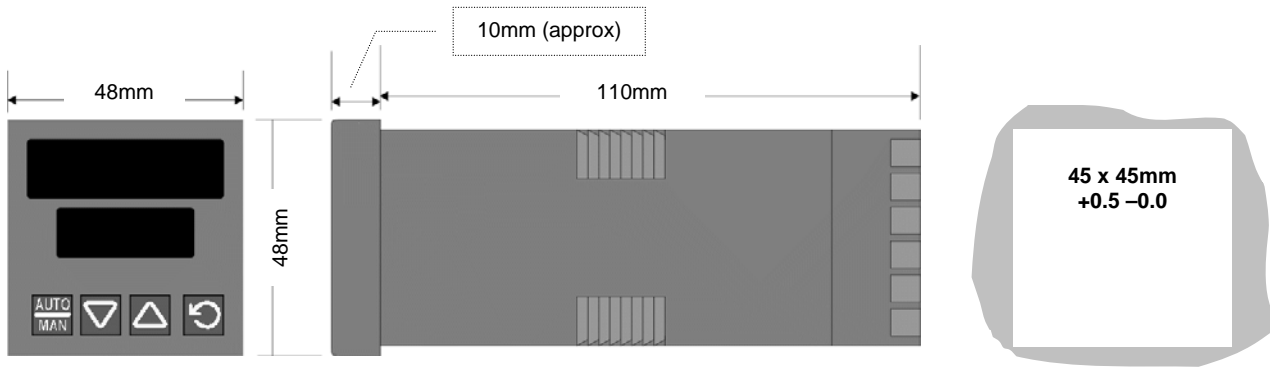
Front Panel Protection

Approvals and Certification

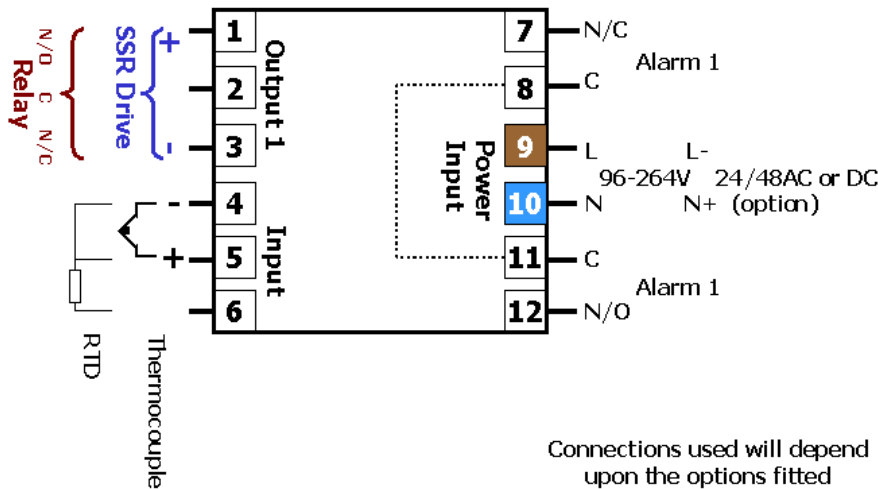
Easy Tune PID (with adjustable cycle time) or On-Off control
Control Relay or SSR, plus optional Alarm Relay
Process high, process low, setpoint deviation or band
3 button operation, 3 digit 13mm high red LED display, plus on-control, set-up, alarm and setpoint indicators
Off below setpoint, on at setpoint, 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

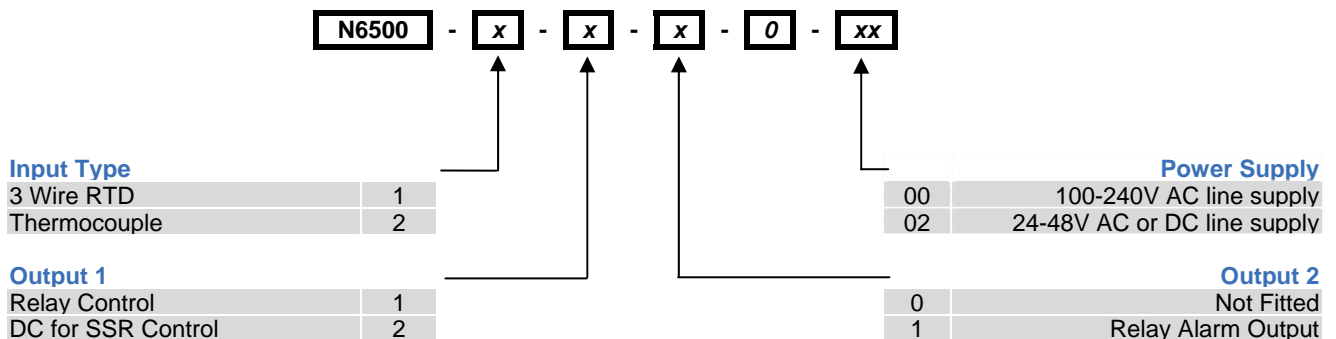
Output 1

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





Official UK Suppliers & Stockists of:



Temperature & Process Input Controllers

- Single Loop Controllers
- Multi-Loop Controllers
- Programmable Controllers
- Valve Motor Drive Controllers
- Process Indicators

Please contact our sales and service teams at the following address for further product information.



Tempcon Instrumentation Ltd.
Unit 19, Ford Lane Business Park, Ford Lane
Ford, Nr. Arundel, West Sussex. BN18 0UZ
Tel: ++44 (0) 1243 558270 Fax: ++44 (0) 1243 558288
Email: info@tempcon.co.uk Web site: www.tempcon.co.uk

H205
0710