

# 6500 1/16 DIN Controller

- Large Three Digit Single Display.
- A special tuning algorithm developed for electric heater applications, which combines West's Pre-tune and Self-tune algorithms.
- Continuous indication of both process and alarm status via LEDs.
- Security via a setpoint lock.
- Optional alarm output.
- Supplied pre-configured from factory.



The 6500 was designed for basic electric heater applications and uses the latest proven technology from the process industry to get on control quicker and stay there. It has a simplified operator interface which make it easy to use, setup and support, providing quality control at an affordable price.

The 6500 has a single 3 digit display which is designed for maximum visibility. The operator can easily view the actual temperature, setpoint and alarm value. A green LED indicates that the control is either below, above, or right on setpoint. A red LED indicates the alarm status.

The controller comes with a specifically developed tuning algorithm for electric heater applications. This control requires no further tuning in most applications.

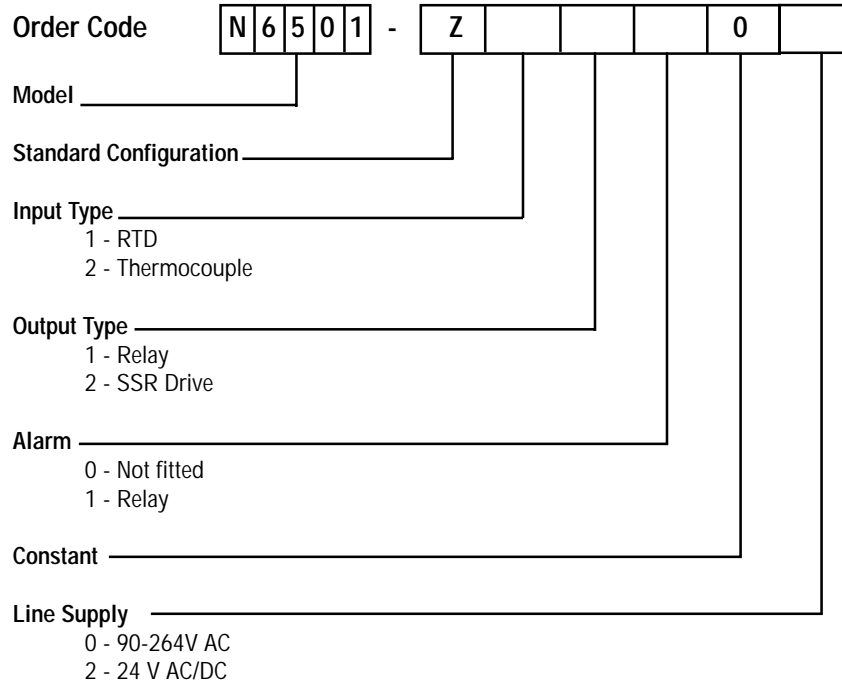
**WEST**  
Brand  
INSTRUMENTS

# 6500 Brief Specs:

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<b>Inputs:</b>	Thermocouple: RTD:	J/L, T, K, N Pt 100
<b>Output:</b>	Control Output: Alarms Option: Communications:	Relay- SPDT 2A at 120/240V AC for time proportioning operation. SSR: >10V DC into 1 KOhm minimum 1 Alarm- 1 Relay 2A at 120/240V AC None
<b>Control and: Features</b>	Tuning: Proportional Band: Auto Reset: Manual Reset (Bias): Rate:	Easy Tune or Manual Tuning 1.0% to 999.9% of input span 1 second to 99 minutes 59 seconds and OFF 0 to 100% 0 to 9 minutes 59 seconds
<b>Operating and: Environmental</b>	Accuracy: Ambient Temperature:  Supply Voltage:  Power Consumption:	±0.25% of span ±1 LSD 0°C to 55°C (Operating) -20°C to 80°C (Storage) 90 to 264V AC 50/60Hz Optional 20-50V AC, 50/60Hz, 22-65V DC 4W Maximum
<b>Dimensions and: Panel Cut Out</b>	Panel Cut-Out: Unit Dimensions:	1/16 DIN - 45mm X 45mm 48mm High X 48mm Wide X 110mm Deep

# 6500 Order Matrix:

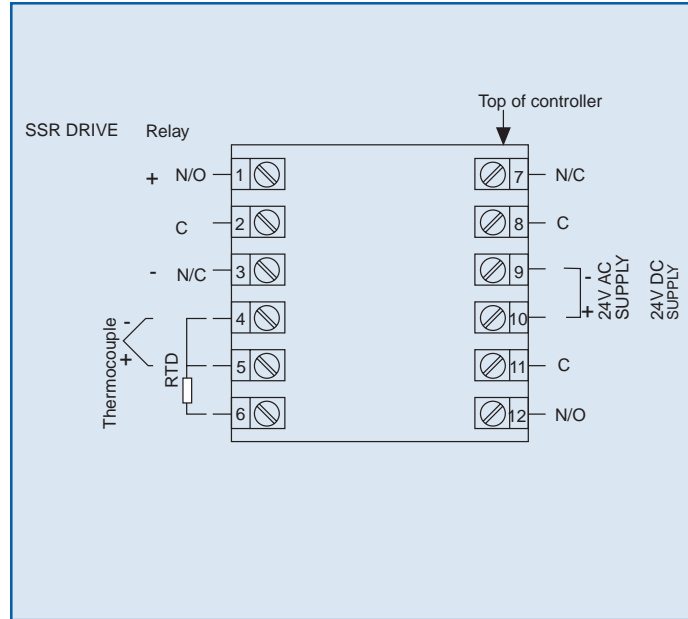


## NOTES:

1. The RTD 0.0 range will always be 0.0 - 99.9, whatever the Range Maximum setting may be.
2. Absolute range maximum = 400°C (700°F).
3. Input Sensor Type is defaulted to Thermocouple, Type J/L, °F, and the Input Range Maximum is defaulted to 100.

# 6500 Wiring Diagram and Notes:

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## Notes:

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