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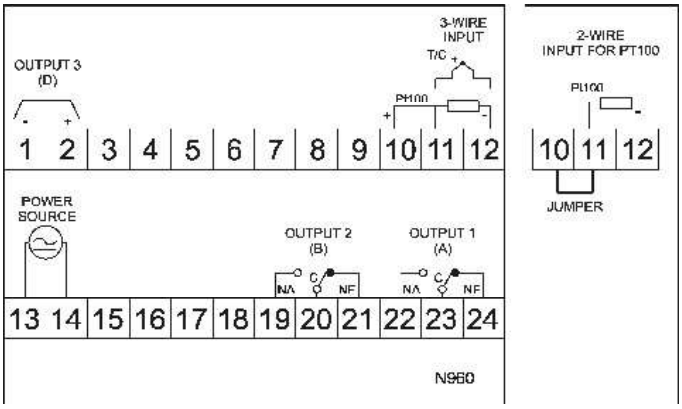
# Controller **LIM N960**

## Technical description

| **Characteristic** |
|---|
| – PID control; ON/OFF<br>– double LED display 4-digits<br>– autotuning<br>– adjustable offset for the sensor<br>– 2 programmable control/alarm outputs<br>– heating function - ramping: 1x9 segments<br>– sensor damage detection<br>– simple configuration menu<br>– front panel: IP65, Polycarbonate UL94 V-2<br>– USB interface for configuration |
| **Input** |
| – TC: J, K, T, N, R, S, B, E<br>– RTD: Pt100 |
| **Accuracy** |
| ±0,25% ±1 ºC: for J, K, T, E<br>±0,25% ±3 ºC: for N, R, S, B<br>±0,2% of range: for Pt100 |
| **Output I (A)** |
| – relay: SPDT 3 A/240 V AC |
| **Output II (B)** |
| – relay: SPDT 3 A/240 V AC |
| **Output III (D)** |
| – SSR: 12 V/25 mA<br>– (0 ÷ 20) mA or (4 ÷ 20) mA, insulated |
| **Power source** |
| (100 ÷ 240) V AC/DC (±10%)<br>(12 ÷ 24) V AC/DC<br>6 VA |
| **Operating conditions** |
| – temperature: (5 ÷ 50) ºC<br>– humidity: for T≥30 ºC $RH_{max.}$ = 80%<br>T<30 ºC $RH_{max.}$ = [80 - (30-T)*3]% |
| **Dimension [mm]** |
| 96x96x90; hole: 93x93 |


Wiring diagram




## Ordering example

**Controller LIM N960** (standard power source (100 ÷ 240) V)
**Controller LIM N960–24 V** (optional power source (12 ÷ 24) V)