

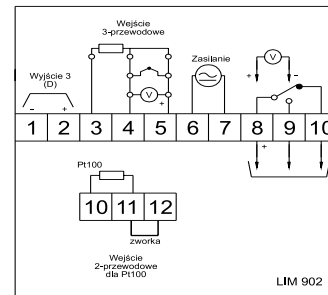
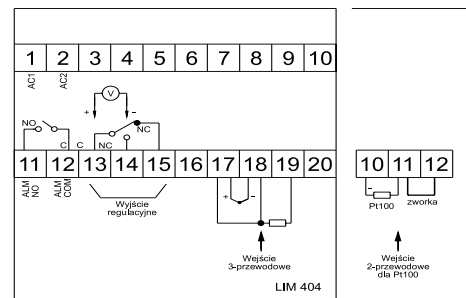
Controller LIM 404, 902

Technical description

Characteristic
<ul style="list-style-type: none"> – controllers with analogue settings – thermocouple and resistance inputs – relay control output 10 A and alarm output 2 A (optional) – easy to use – display for LIM 404
Input
<ul style="list-style-type: none"> – TC: J, K – RTD: Pt100
Accuracy
2% of range for LIM 902 1% of range for LIM 404
Output
<ul style="list-style-type: none"> – relay: 10 A/240 V AC (LIM 404) – relay: 5 A/240 V AC (LIM 902) – current: (4 ÷ 20) mA, (0 ÷ 20) mA, $R_{obc} = 500 \Omega$ – SSR: 24 V DC/20 mA – voltage: (0 ÷ 10) V DC/2 mA
Power source
(200 ÷ 240) V AC for LIM 902 (90 ÷ 264) V AC for LIM 404 (16 ÷ 48) V DC, (12 ÷ 36) V AC for LIM 404
Operating conditions
<ul style="list-style-type: none"> – temperature: (0 ÷ 50) °C – humidity: ≤90% RH without condensation
Dimension [mm]
48x48x80; hole: 45x45 for LIM 902 96x96x53; hole: 92x92 for LIM 404
Additional functions
<ul style="list-style-type: none"> – alarm (10% setting) 2 A/240 V AC for LIM 404 (optional) – analog output



Wiring diagram



Ordering code

Controller	LIM 404, 902	-	-	-	-	-	-	-	-	-
Power source:										
(200 ÷ 240) V AC (LIM 902)										2
(90 ÷ 264) V AC (LIM 404)										4
(16 ÷ 48) V DC, (12 ÷ 36) V AC (LIM 404)										5
Output:										
J										1
K										2
Pt100										3
Temperature range:										
(0 ÷ 100) °C										2
(0 ÷ 200) °C										3
(0 ÷ 300) °C										4
(0 ÷ 400) °C										5
(0 ÷ 600) °C										6
(0 ÷ 800) °C										7
(0 ÷ 1200) °C										8
Working mode: ON/OFF										1
P - proportional										2
Output I: relay (always for LIM 902)										1
voltage: SSR										2
current: (4 ÷ 20) mA										3
current: (0 ÷ 20) mA										4
voltage: (0 ÷ 10) V										5
Alarm output: none (always for LIM 902)										0
relay (only for LIM 404)										1

Ordering example

Controller LIM 404-4-3-5-1-1-0
Controller LIM 902-2-3-5-1-1-0

TEMPERATURE CONTROLLERS