

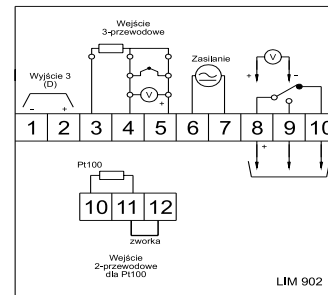
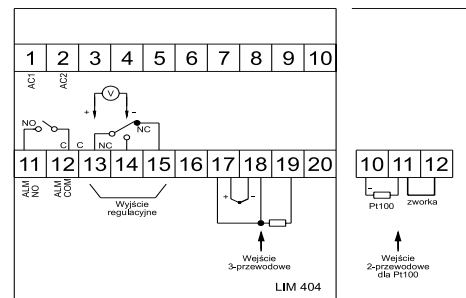
## Controller LIM 404, 902

### Technical description

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



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