

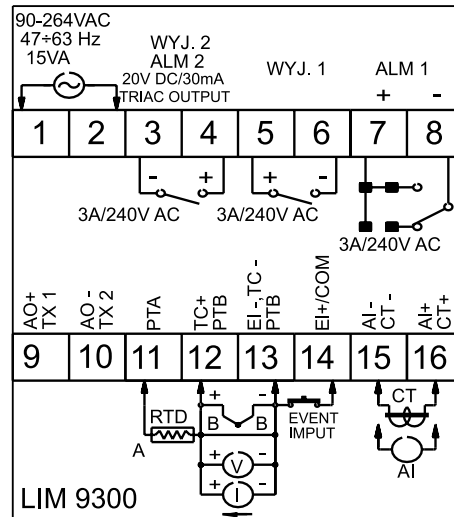
Controller LIM 9300

Technical description

Characteristic
<ul style="list-style-type: none"> - PID and Fuzzy Logic control - autotuning - ramping function - 2 control outputs, 1 alarm output or 1 control output - 2 alarm outputs - internal timer, manual control - protection against breaking the sensor circuit - cold junction compensation 0,1 °C - direct heating, reverse cooling
Input
<ul style="list-style-type: none"> - TC: J, K, T, E, B, R, S, N, L - RTD: Pt100 - current: (4 ± 20) mA, (0 ± 20) mA - voltage: (1 ± 5) V, (0 ± 5) V, (1 ± 5) V, (0 ± 10) V
Accuracy
<ul style="list-style-type: none"> 2 °C for: J, K, T, E, B, R, S, N 0,2 °C for: Pt100 0,05% for: line input
Output
<ul style="list-style-type: none"> - relay: 2 A/240 V AC - current: (4 ± 20) mA, (0 ± 20) mA, - voltage: (0 ± 1) V; (0 ± 5) V; (1 ± 5) V; (0 ± 10) V SSR 5 V/30 mA, 14 V/40 mA - triac: 1 A/240 V AC
Power source
(90 ± 260) V AC
Operating conditions
<ul style="list-style-type: none"> - temperature: (0 ± 50) °C - humidity: ≤90% RH without condensation
Dimension [mm]
48x48x94; hole: 45,5x45,5
Additional functions
<ul style="list-style-type: none"> - RS485, retransmission current and voltage output - alarm output



Wiring diagram



Ordering code

Controller	LIM 9300	-	...	-	...	-	...	-	...	-	...
Power source:	(90 ± 264) V AC										
	(11 ± 26) V AC/DC										
Multi-input											1
Output I:	0 - brak	1 - relay: 2 A/240 V AC		4 - voltage: (0 ± 5)/(1 ± 5) V							
		2 - SSR: 5 V/30 mA		5 - voltage: (0 ± 10) V							
		3 - current: (0 ± 20)/(4 ± 20) mA		6 - TRIAC: 1 A/240 V AC							
Output II:	0 - brak	1 - relay: 2 A/240 V AC		5 - voltage: (0 ± 10) V							
		2 - SSR: 5 V/30 mA		6 - TRIAC: 1 A/240 V AC							
		3 - current: (0 ± 20)/(4 ± 20) mA		7 - transmitter power src: 20 V/25 mA							
		4 - voltage: (0 ± 5)/(1 ± 5) V		8 - transmitter power src: 12 V/40 mA							
				9 - transmitter power src: 5 V/80 mA							
Alarm output: none											0
relay 2 A/240 V											1
relay 2 A/240 V											2
Interface:				0 - brak				3 - (4 ± 20) mA			
				1 - RS485				4 - (0 ± 5)/(1 ± 5) V			
				2 - RS232				5 - (0 ± 10) V			

Ordering example

Controller LIM 9300-4-1-1-0-0-0