

## CONTROL UNIT TYPE ATR121

The ATR121 device is a low-cost small control unit destined for panel mounting. It has 2 relay outputs and one output for an HL-relay. The 3-digit display shows the actual temperature. After pressing an arrow button, the set temperature is displayed.



### TECHNICAL PARAMETERS

Size:	77 x 35.3(front side) x 61.2mm
Panel cut-out:	70.5 x 28.5mm
Voltage supply:	12/24V AC / 12/35V DC, 24V AC, 230V AC, 115V AC – 50/60 Hz
Power consumption:	2 W
Operating temperature range:	0..40°C
1 universal input:	Thermocouples K,J,S,R; Pt100; Ni100; Pt500; Pt1000; PTC 1000 Ohm; NTC 10kOhm; 0/4..20mA; 0..10V; 0..6kOhm; 0..150kOhm
2 relay outputs:	OUT1: 10A OUT2: 5A
1 output HL-relay:	8 V 20mA for version A/B/C 15 V 30mA for version AD (at 12V AC) 30 V 30mA for version AD (at 24V AC)
Control algorithms:	ON/OFF with hysteresis or PID with automatic tuning
Accuracy:	0.5% +/- 1 digit for thermocouples and RTD 0.2% +/- 1 digit for V,mA
Display:	3 digits
Further data:	- Configuration password - Memory card for extension, configuration, programming
<u>Specification:</u>	
Supply:	121-AD: 12..24V ac +/- 10% 50/60Hz 12..35V dc 121-A: 24V ac +/- 10% 50/60Hz 121-B: 230V ac +/- 10% 50/60Hz 121-C: 115V ac +/- 10% 50/60Hz
Serial communication:	121-T:RS485 – protocol Modbus RTU slave.  relays Q2 + alarm function not possible with this model, only  121-AT: 24V ac +/- 10% 50/60 Hz only 121-ADT:12..35V dc
Resolution:	-99 – 999 digits