AC1-5

77 x 35 x 77 mm

Two channel universal Controller, ON/OFF or PID

Main features

- Runs on universal mains power supply
- PID with autotuning or ON/OFF control
- Main output on 12A relay or for SSR-piloting and auxiliary output on 5A relay
- Input for 0÷1V, 0/4÷20mA, PTC/NTC10K, TC J/K or Pt100
- 0.1 / 1°C or 1°F resolution
- Selectable Refrigerating/Heating (Dehumidifying/Humidifying) control
- Absolute or relative temperature alarms
- ON/OFF button on front
- Connectivity to LAE TAB supervisory systems

Applications

Temperature: Control of small cold stores, refrigerated cabinets and tables, heating systems, heated cupboards, bains-marie, ovens, laboratory equipment.
Humidity: Control of greenhouses, seasoning cells, cold rooms, air-conditioned rooms.

Series AC1-5

| Functions	AC1-5T...		AC1-5P...	AC1-5J...		AC1-5A...	AC1-5I...
Input type	PTC	NTC10K*	Pt100	TC "J"	TC "K"	0÷1V	0/4÷20mA
Range	-50 +150°C	-40 +125°C	-100 +850°C	-50 +750°C	-50 +999°C	Configurable in setup	
Accuracy	±0.3°C	±0.3°C	±0.3°C[a]; ±1°C[b]	±3°C		±3mV	±0.2mA
Resolution	0.1 / 1°C / 1°F			1°C / 1°F		0.1 / 1	
Panel cut-out	71 x 29 mm (W x H)						
Ambient temperature	-10÷50°C						

[a] -50÷150°C; [b] remaining range
* The standard NTC10K is the SN4B20P1

How to order:

› AC1-5TS2RW-A (PTC/NTC10K input, screw terminals, 2 relays, 115÷230Vac supply voltage, TTL port)
› AC1-5JS2MW-B (J/K TC input, screw terminals, output 1 on SSR drive, output 2 on relay, 115÷230Vac supply voltage, RS485 port)
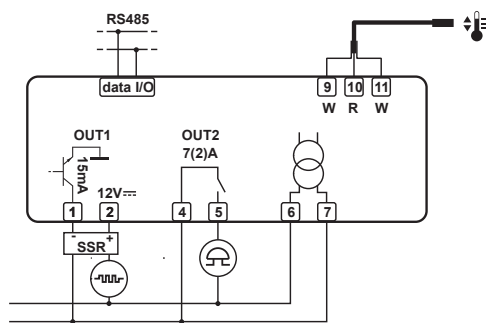
› On request, the AC1-5 is also available with gasket for a better protection between bezel and panel.

› In order to know versions available, please consult LAE or our local dealer.
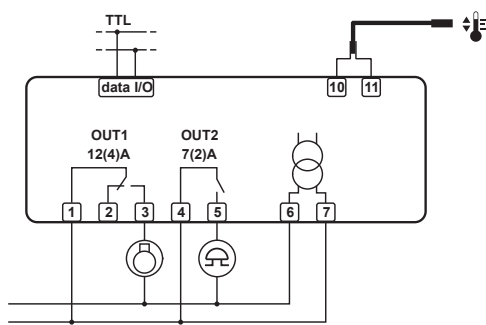
AC1-5TS2RW-A

AC1-5	T	S	2	R	W	-B
	(1)	(2)	(3)	(4)	(5)	(6)

Pos.	Function	Description
(1)	Input	**A** = 0÷1V; **I** = 0/4÷20mA; **J** = TC 'J'/'K'; **P** = Pt100; **T** = PTC/NTC10K
(2)	Connections	**S** = built-in screw terminals
(3)	Output No.	**1** = one; **2** = two
(4)	Output type	**R** = relay; **M** = Out1 on SSR, Out2 on relay
(5)	Supply	**D*** = 12Vac/dc; **W** = 115...230Vac 50/60Hz; 3 W
(6)	Serial comm	**Nil** = no; **-A** = TTL; **-B** = RS485

* = in the version with 12Vac/dc power supply, the maximum voltage on the outputs is 50Vac/dc, in order to ensure safety insulations.

AC1-5PS2MW-B