AC1-5

77x35x77 mm

TWO CHANNEL UNIVERSAL CONTROLLER, ON/OFF OR PID

Runs on 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 ● Load start limitation and safety operation in case of probe failure ● Quick programming through ZOT-AC1 key ● Connection 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.

AC1-5 Series

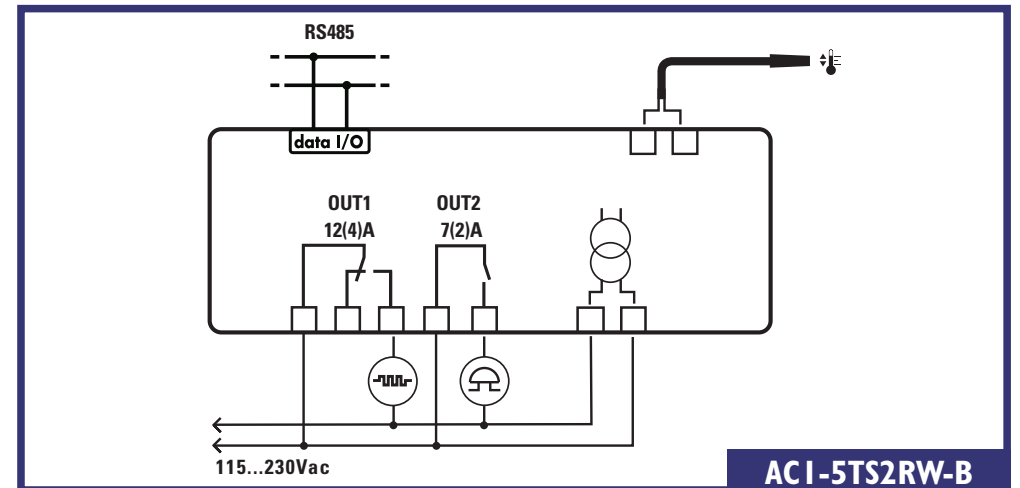| Functions	AC1-5T..		AC1-5P..	AC1-5J..		AC1-5A..	AC1-5I..
Input type	PTC	NTC10K	Pt100	TC "J"	TC "K"	0÷1V	0/4÷20mA
Range	-50÷150°C -60÷300°F	-40÷125°C -40÷260°F	-100÷850°C -150÷999°F	-50÷750°C -60÷999°F	-50÷999°C -60÷999°F	Configurable in setup	
Accuracy	±0.3°C	±0.3°C	±0.3°C[(a)]; ±1°C[(b)]	±3°C		±3mV	±0.2mA
Resolution	0.1 / 1 °C / 1 °F			1 °C / °F		0.1/1	

(a) -50÷150°C; (b) remaining range.

How to order:

AC1-5TS2RW-A (PTC/NTC10K input, screw terminals, 2 relays, 115÷230Vac supply voltage, TTL port)
AC1-5AS2MD-B (0÷1V input, screw terminals, output 1 on SSR drive, output 2 on relay, 12Vac/dc 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.

AC1-5	T	S	1	R	W	-B
	❶	❷	❸	❹	❺	❻

POS.	FUNCTION	DESCRIPTION
❶	Input	**A** = 0÷1V; **I** = 0/4÷20mA; **J** = TC 'J' / 'K'; **P** = Pt100; **T** = PTC/ NTC10K
❷	Connections	**S** = built-in screw terminals
❸	Output No.	**1** = one; **2** = two
❹	Output type	**R** = relay; **M** = Out1 on SSR, Out2 on relay
❺	Supply	**D*** = 12Vac/dc; **W** = 115…230Vac 50/60Hz; 3 W
❻	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.

AC1-5TS2RW-B