

AC1-27

71 x 97 x 61 mm DIN rail

lae
ELECTRONIC



Two channel
universal Controller,
ON/OFF or PID

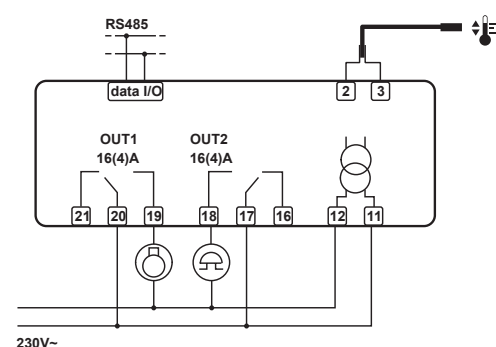
Main features

- 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, 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

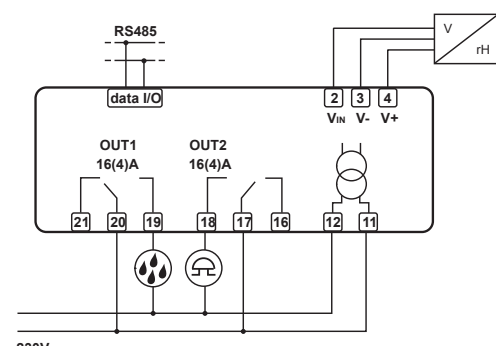
Temperature: on control panels for small cold stores, heating systems, heated cupboards, bains-marie, ovens, laboratory equipment.

Humidity: on control panels for greenhouses, seasoning cells, cold rooms, air-conditioned rooms.



230V~

AC1-27S2RE-B



230V~

AC1-27AS2RE-B

AC1-27 series

Functions	AC1-27T...		AC1-27P...	AC1-27J...		AC1-27A...
Input type	PTC	NTC10K*	Pt100	TC "J"	TC "K"	0÷1V
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
Resolution	0.1 / 1°C / 1°F			1 °C / °F		0.1 / 1
Ambient temperature	-10÷50°C					

^(a)-50÷150°C; ^(b) remaining range.

* The standard NTC10K is the SN4B20P1

AC1-27	T	S	2	R	E	-B
	(1)	(2)	(3)	(4)	(5)	(6)
Pos.	Function	Description				
(1)	Input	A = 0÷1V; 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; E = 230Vac 50/60Hz; U = 115Vac 50/60Hz 3W				
(6)	Serial comm.	Nil = no; -A = TTL; -B = RS485				

How to order:

- AC1-27JS2RE-B (TC J/K input, screw terminals, 2 relay outputs, 230Vac supply voltage, RS485 port).
- AC1-27AS2E-B (0÷1V input, screw terminals, 2 relay outputs, 230Vac supply voltage, RS485 port))

➤ In order to know versions available, please consult LAE or our local dealer.