

# AC1-27

71x97x61MM

DIN RAIL



## 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, 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 ZOFAC1 key
- Connection to LAE TAB supervisory systems

### Applications

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

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

AC1-27	T	S	1	R	E	-B
	1	2	3	4	5	6
POS.	FUNCTION					
1	Input					
2	Connections					
3	Output No.					
4	Output type					
5	Supply					
6	Serial comm.					
DESCRIPTION						
A = 0÷1V; I = 0/4÷20mA; J = TC 'J' / 'K'; P = Pt100; T = PTC/ NTC10K						
S = built-in screw terminals						
1 = one; 2 = two						
R = relay; M = Out1 on SSR, Out2 on relay						
D = 12Vac/dc; E = 230Vac 50/60Hz; U= 115Vac 50/60Hz 3 W						
Nil = no; -A = TTL; -B = RS485						

#### AC1-27 Series

Functions	AC1-27T..		AC1-27P..	AC1-27J..		AC1-27A..	AC1-27L..
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 <sup>(a)</sup> ; ±1°C <sup>(b)</sup>	±3°C		±3mV	±0.2mA
Resolution	0.1 / 1 °C / 1 °F			1 °C / °F		0.1/1	

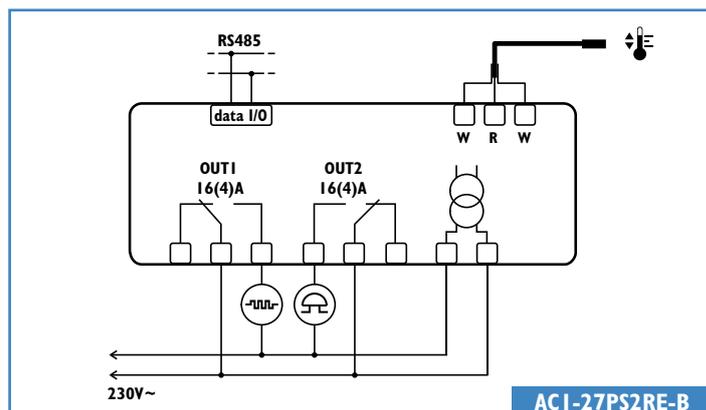
(a) -50÷150 °C; (b) remaining range.

#### How to order:

AC1-27JS1RE-B (TC J/K input, screw terminals, 1 relay output, 230Vac supply voltage, RS485 port).

AC1-27IS2MD-A (0/4÷20mA input, screw terminals, output 1 on SSR drive, output 2 on relay, 12Vac/dc supply voltage, TTL port)

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



AC1-27PS2RE-B