

lae ELECTRONIC AC1-27 Two Channel Universal Controller



lae ELECTRONIC AC1-27 Two Channel Universal Controller Instruction Manual

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lae ELECTRONIC AC1-27 Two-Channel Universal Controller



Main features

- Runs on mains power supply
- PID with autotuning or ON/OFF control
- Main output on 12A relay or for SSRpiloting 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 the front
- Connectivity to LAE TAB Supervisory systems

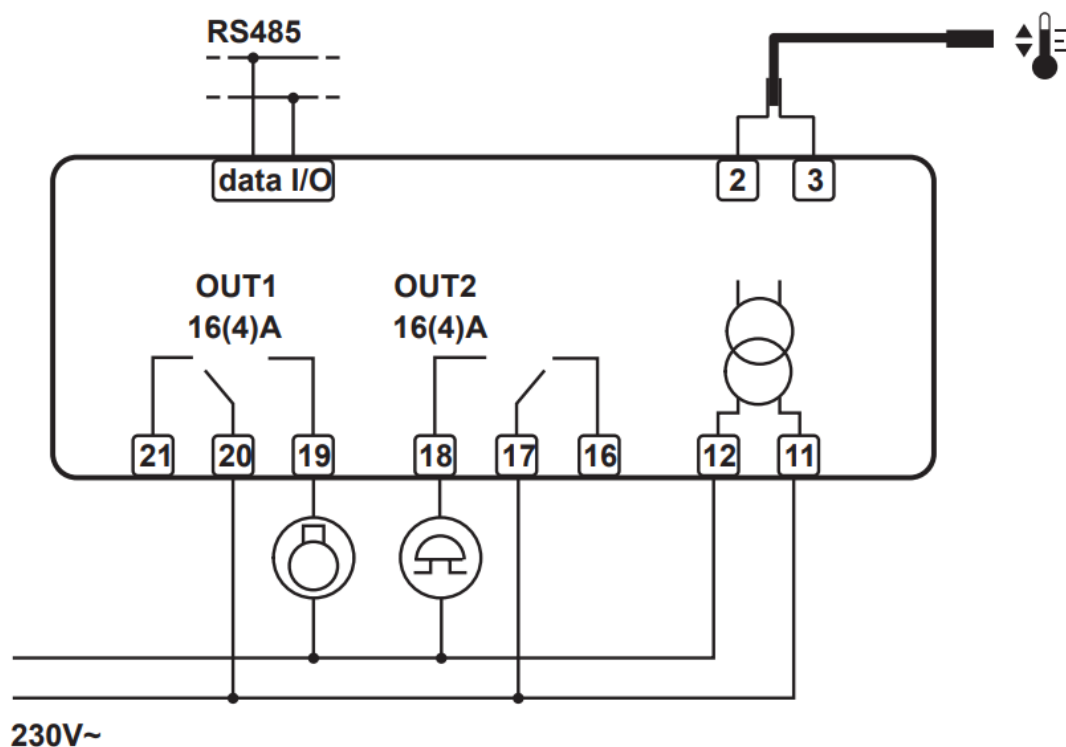
AC1-27 series

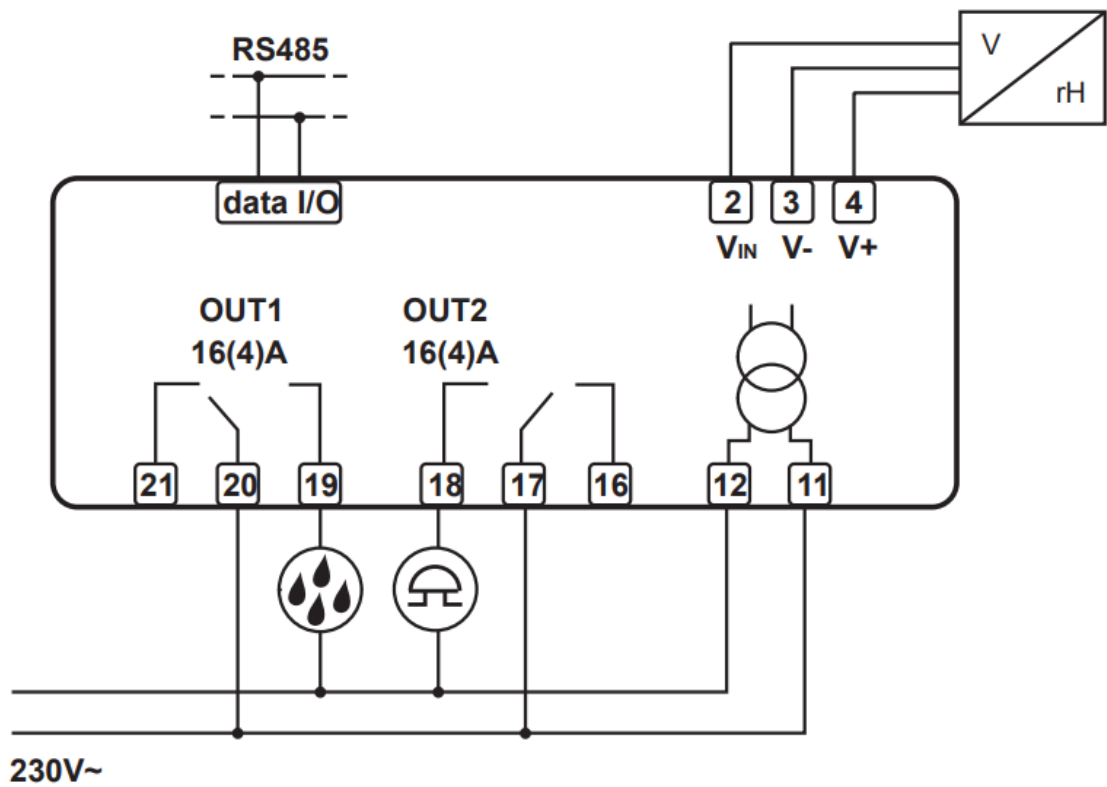
Functions	AC1-27T...		AC1-27P...	AC1-27J...		AC1-27A...
Input type	PTC	NTC10K*	Pt100	TC “J”	TC “K”	0+1V
Range	-50÷150°C -60÷300°F	-40÷125°C -40÷260°F	-100÷850°C -150÷999°F	-50÷750°C -60÷999°F	-50÷999°C -60÷999°F	Configurable in setup
Accuracy	±0.3°C	±0.3°C	±0.3°C ^(a) ; ±1°C ^(b)	±3°C		±3mV
Resolution	0.1 / 1°C / 1°F			1 °C / °F		0.1 / 1
Ambient temperature	-10÷50°C					

Applications

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					

- Temperature: on control panels for small cold stores, heating systems, heated cupboards, bains-marie, ovens, and laboratory equipment.
- Humidity: control panels for greenhouses, seasoning cells, cold rooms, and air-conditioned rooms.





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))
- To know the versions available, please consult LAE or our local dealer.

To view the range visit www.hawco.co.uk/refrigeration

Documents / Resources

	<p>lae ELECTRONIC AC1-27 Two Channel Universal Controller [pdf] Instruction Manual AC1-27 Two Channel Universal Controller, AC1-27, Two Channel Universal Controller, Channel Universal Controller, Universal Controller</p>
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References

- [Hawco Refrigeration | UK Refrigeration Components Wholesaler](#)
- [LAE Electronic Two Channel Universal Controllers](#)
- [User Manual](#)

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