

LTR-5

77x35x77mm

SINGLE OUTPUT ON/OFF OR PID THERMOSTAT OR HUMIDISTAT

Runs on mains power supply ● PID with autotuning or ON/OFF control ● Output on relay (16A) or SSR piloting ● Input for PTC, NTC10K or 0÷1V ● 0.1 / 1°C or 1°F resolution ● Refrigerating (dehumidifying) or heating (humidifying) control mode selection ● Stand-by button on the front ● Load start limitation and safety function in the event of breakage of the sensor ● Quick setup through ZOT-LTR device ● Connection to LAE supervisory systems TAB.

APPLICATIONS:

Temperature: Control of small cold stores, refrigerated cabinets and tables, heating systems, heated cupboards, bain-marie, ovens, laboratory equipment.

Humidity: Control of greenhouses, seasoning cells, cold rooms, air-conditioned rooms.

LTR-5 Series

Functions	LTR-5T..	LTR-5C..	LTR-5A..
Input type	PTC	NTC10K	0÷1V
Range	-50÷150°C -60÷300°F	-40÷125°C -40÷260°F	0÷99.9% r.H.
Accuracy	±0.3°C ^(a) , ±1.0°C ^(c)	±0.3°C ^(b) , ±1°C ^(c)	±0.7% r.H.
Resolution	0.1/1°C; °F		0.1/1 % r.H.
Front protection	IP55		
Panel cut-out	71x29 mm		

(a) -50÷140°C; (b) -40÷110°C; (c) remaining range.

How to order examples:

LTR-5CSRE-A (NTC10K input, 1 relay, screw terminals, 230Vac supply, TTL port)
LTR-5ASRU (0÷1V input, 1 relay, screw terminals, 115Vac supply, no serial port)

On request, the LTR-5 is also available with gasket for a better protection between bezel and panel.

In order to know more options available for the models, please consult LAE or our local dealer.

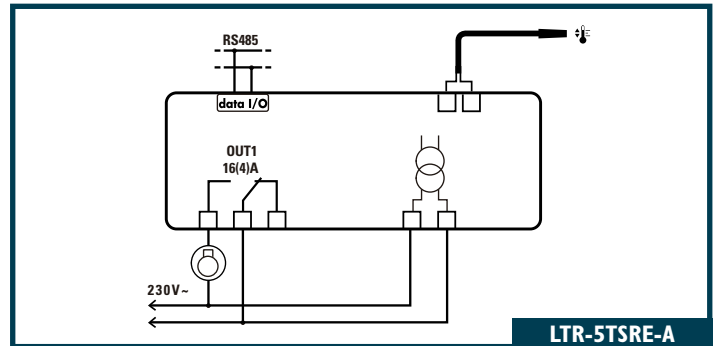


LTR-5	T	S	R	E	-B
	1	2	3	4	5

POS.	FUNCTION	DESCRIPTION
1	Input	T* = PTC; C** = NTC10K; A = 0÷1V
2	Connectors	S = screw terminals; Q = male+female terminals
3	Output type	R = relay; F = SSR drive
4	Supply	D = 12Vac/dc; E = 230Vac; U = 115Vac, 2W
5	Serial comm.	- = no serial port; -A = TTL; -B = RS485

*The standard PTC probe is the ST1K20P1

**The standard NTC probe is the SN4K20P1



LTR-5TSRE-A

ACI-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-ACI key ● Connection to LAE TAB supervisory systems

APPLICATIONS:

Temperature: Control of small cold stores, refrigerated cabinets and tables, heating systems, heated cupboards, bain-marie, ovens, laboratory equipment.

Humidity: Control of greenhouses, seasoning cells, cold rooms, air-conditioned rooms.

ACI-5 Series

Functions	ACI-5T..	ACI-5P..	ACI-5J..	ACI-5A..	ACI-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
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:

ACI-5TS2RW-A (PTC/NTC10K input, screw terminals, 2 relays, 115÷230Vac supply voltage, TTL port)
ACI-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 ACI-5 is also available with gasket for a better protection between bezel and panel.

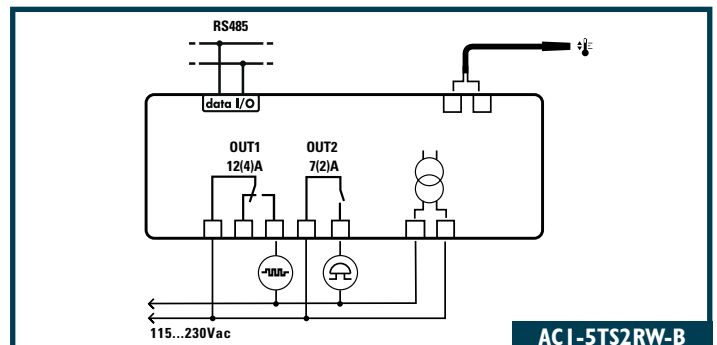
In order to know versions available, please consult LAE or our local dealer.



ACI-5	T	S	1	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.



ACI-5TS2RW-B