

LTR-5

77 x 35 x 77 mm



Single output ON/OFF or PID controller



Main features

- 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
- ON/OFF button on front
- Connectivity LAE 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.

How to order **LTR-5**

Model	Options	Suffix	Description
LTR-5			Model and dimensions
Inputs	A		0..1V (rH%) input
	C		NTC 10K
	T		PTC1000
Connections	S		Screw connections (fixed screw terminals)
Output type	R		Output on relay 3.6 FLA, 21.6 LRA 240Vac - 16A resistive
	F		Output on SSR drive 15mA 12Vdc
Supply voltage	D		12 Vac/dc
	E		230 Vac
Aux. functions			No communication port
	A		TTL serial communication port
	B		RS485 serial communication port
Packaging – Instructions for use		-M	Multiple packaging without instructions
		-nn	Individual packaging with instructions (see instructions table)

Instructions

- 01 English + German
- 02 English + Spanish
- 03 English + French
- 04 English + Greek
- 05 English + Italian
- 06 English + Portuguese
- 08 English + Turkish

EXAMPLES:

LTR-5CSREA-01

NTC input, fixed screw terminals, output on relay, 230V, TTL serial communication, individual packaging, instructions in English and German.

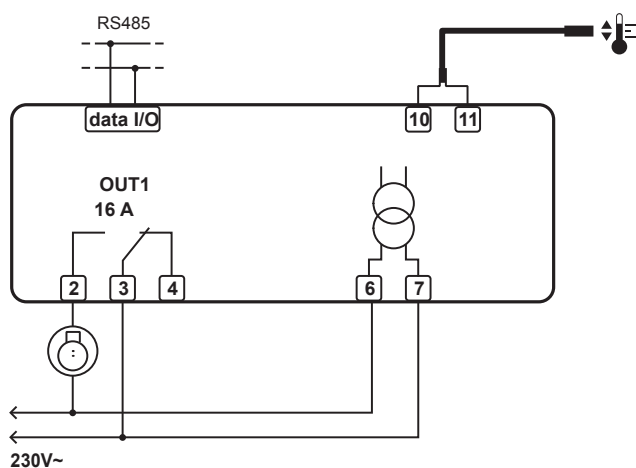
LTR-5TSRE-M

PTC input, fixed screw terminals, output on relay, 230V, no serial communication port, multiple packaging, no instructions.

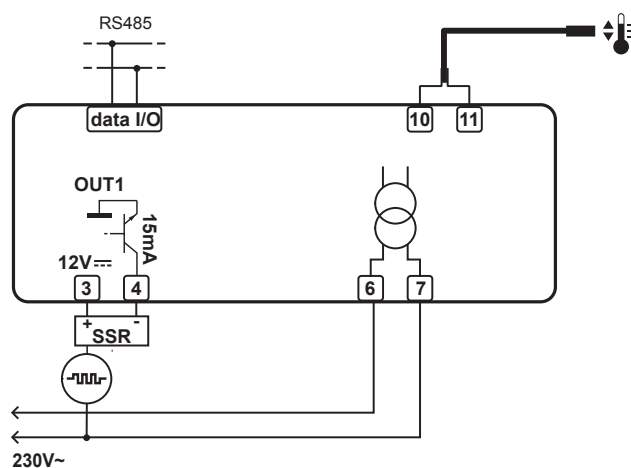
LTR-5ASREB-05

0-1V input, fixed screw terminals, output on relay, 230V, RS485 serial communication, individual packaging, instructions in English and Italian.

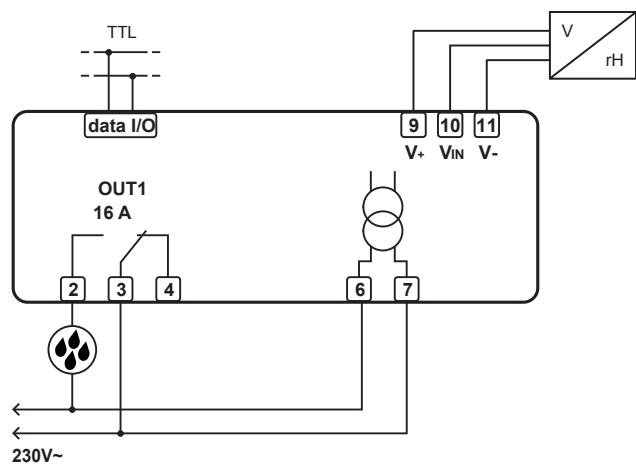
LTR-5



LTR-5CSREB



LTR-5CSFEB



LTR-5ASREA

Technical Data

Power supply

LTR-5...D	12Vac/dc $\pm$ 10%, 2W
LTR-5...E	230Vac $\pm$ 10%, 50/60Hz, 2W

Relay outputs (LTR-5...R...)

LTR-5...R...	OUT1 3.6 FLA, 21.6 LRA @ 240Vac; 16A resistive
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SSR drive (LTR-5...F...)

OUT1	15mA 12Vdc
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Inputs

LTR-5A...:	0..99%r.H.
LTR-5C...:	-40..125°C
LTR-5T...:	-50..150°C

Measuring accuracy

LTR-5A...:	$\leq \pm 0.7\%$ r.H. in the measuring range
LTR-5C...:	$\leq \pm 0.3^\circ\text{C}$ -40..100°C; $\pm 1^\circ\text{C}$ out of that range
LTR-5T...:	$\leq \pm 0.3^\circ\text{C}$ -50..140°C; $\pm 1^\circ\text{C}$ out of that range
Front protection	IP54
Ambient temperature & humidity	-10..50°C; 15%..80%