

**Controllers**  
Temperature & Humidity

**LTW15**  
77x35x77 mm



**Auto-Tuning PID Single or Two Stage Controller**

**Main Features**

- Panel controller with one or two independent outputs
- Programming of: readout, output control via Hysteresis or PID
- Auto-tuning function for PID control
- Available inputs: T/C J-K, Pt100, PTC, NTC2K, 0/4...20mA, 0..1V
- Refrigerating (dehumidifying) or heating (humidifying) mode selection
- Refrigerating (dehumidifying) or heating (humidifying) control mode selection
- Programmable Neutral Zone, Two Step or Single stage control with alarm
- Outputs on relay or SSR piloting
- Quick setup through ZOT-LTW device
- Connection to LAE supervisory systems TAB.

**Applications**

**Temperature:** Ovens and thermostatic baths, incubators, precision heated and/or refrigerated systems.

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

**LTW15 Series**

Technical Data	LTW15T..	LTW15P..	LTW15C..	LTW15J..	LTW15K..	LTW15A..	LTW15I..
Input type	PTC	Pt100	NTC2K	TC "J"	TC "K"	0÷1V	0/4..20mA
Range	-50÷150°C -60÷300°F	-100÷850°C -150÷999°F	-20÷100°C -5÷212°F	-50÷800°C -60÷999°F	-50÷900°C -60÷999°F	0÷100% r.H.	Setup programmable
Accuracy	±0.2°C <sup>(a)</sup> , ±1°C <sup>(b)</sup>		±0.2°C	±3°C		±0.1% r.H.	±0.1mA
Resolution	0.1/1°C; 1°F		1 °C/°F		0.1% r.H.	0.1/1	
Front protection							IP55

<sup>(a)</sup>-20÷100°C <sup>(b)</sup>remaining range

LTW	15	T	1	R	D	-B
	1	2	3	4	5	6

POS.	FUNCTIONS	DESCRIPTION
1	Series	15 =dim.35x77mm, prot. IP55
2	Input	T*=PTC; P=Pt100; J=T/C 'J'; K=T/C 'K'; C**=NTC2K; A=0÷1V; I=0/4..20mA
3	Output No.	1 =one; 2 =two
4	Output type	R =relay; F =SSR drive; M =Mixed relay and SSR drive output
5	Supply	D =12Vac/dc, 2W
6	Option	Nil =no; -A =TTL serial com; -B =RS485 serial com

\* Standard PTC probe is ST1N20P-  
\*\* Standard NTC probe is SN2K20P1

On request, the LTW15 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.**

