

- **Low cost indicator**
- **Pt100 input**
- **1 alarm relay**
Logical regulation / Security
- **2 digits 1/2 display**
Available in Red, Green, Yellow, Blue
- **Low response time (50mS)**



INL30L is a low-cost indicator in Pt100 input intended to set point controller, or thermal controller.

FUNCTIONALITY:

Measure:

- 3-wires Pt100,
- measure range -30 °C to +120 °C
- alarm function on a RT relay, sensor breaking detection, high or low threshold detection, hysteresis threshold, delay, security.

Front face:

- 2 digits 1/2 led display of 14,2 mm (200 points),
- automatic positioning of the decimal point,
- sensor breaking indications, alarm light,
- alarm threshold adjustment with press-button on the front face,
- possibility to lock the threshold adjustment in RS232 configuration.

General characteristics / specification:

- Wiring on 6.35 mm faston terminal connector,
- Tightness IP20, option IP54 or IP65 kit, supplied separately,
- insulation input / power supply / relay: 1500 V,
- saving of the configuration parameters in EEPROM, safety of data holding > 10 years,
- watchdog supervising the program process,

CONFIGURATION:

INL30L can interact via the RS232 serial link (jack 3.5), with any system emulating a terminal.
Example: Terminal program in Windows:
(Free supply of cable on single request).

Warning: the RS232 link is not insulated from measure inputs, check if there is no dangerous potential on inputs before any configuration.

Transmission format:

- 9600 bauds, 1 start bit, 8 data bits, 1 stop bit.

Through the terminal, the user will be able to:

- visualize the measure,
- make the configuration of the alarm,
- shift the measure.

INPUT		
	RANGE	ACCURACY
Measure caliber	- 30 °C to 120 °C	+/- 1 °C
Caliber extention (without warant)	- 70 °C to 190 °C	+/- 1 °C
Sampling rate	20 per second	
Display	2 per second	
RELAYS		
Insulated reverser contact	1RT	1500 Vac
Switching power		5 A / 250 V
POWER SUPPLY (to specify at the order)		
	230 Vac, +/- 10 %, 50-60 Hz, 2.3 VA	
	115 Vac, +/- 10 %, 50-60 Hz, 2.3 VA	
	20 to 70 Vac / Vdc, 2.3 VA	
	80 to 265 Vac / Vdc, 2.3 VA	
	9 to 30 Vdc, 2.3 W	

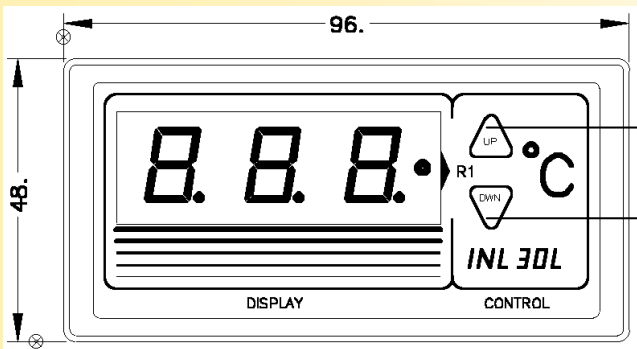
RECOMMENDED OPERATING CONDITIONS	
Temperature	
Operating	0 to 60 °C
Storage	-20 to +85 °C
Influence	< 0.01 % / °C of the full scale
Relative humidity	85 % (not condensed)
Weight	~ 310 g
Tightness	IP20 in basic version IP54 in option, IP65 in option, kit supplied separately
Dielectric strength	1500 Veff continuous
Input / Supply / Relays	

Electromagnetic compatibility			
Generic standards: NFEN50081-2 / NFEN50082-2			
EN55011	meet	group 1 / class A	
EN61000-4-2	no influence	B	ENV50140 < +/- 5 % A
EN61000-4-4	< +/- 5 %	B	ENV50141 < +/- 10 % A
EN61000-4-5	< +/- 5 %	B	ENV50204 no influence A
EN61000-4-8	no influence	A	
EN61000-4-11	< +/- 5 %	B	DBT 73/23/CEE



WIRING AND OUTLINE DIMENSIONS:

CUT-OFF FORMAT: 92 X 42



A ponctual push on one of these two keys allows to displays the alarm threshold. When the threshold value is displayed a prolonged push on the "up" key or on the "down" key allows to increment or decrement the alarm threshold. If the keys aren't pressed during few second, the adjustment is automatically validated and the device switch in measure mode.

