

EXPERT NANO 1LT

EXPERT NANO 1LT 01 | EXPERT NANO 1LT 02
EXPERT NANO 1LT 11

The EXPERT NANO 1LT is a 1 relay electronic thermoregulator designed to control static refrigeration units operating at normal temperature with off-cycle defrosting (to stop compressor). It is fitted with one analogic input for NTC/PTC temperature probes and one relay for the control of the compressor. The regulator can be also configured for heat application.

Etap
Refrigeration A/C Components



APPLICATIONS

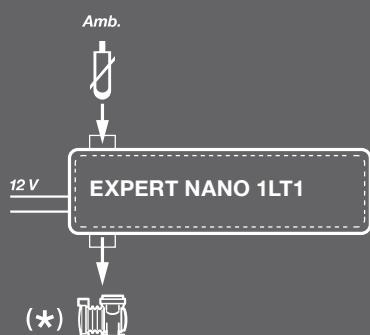
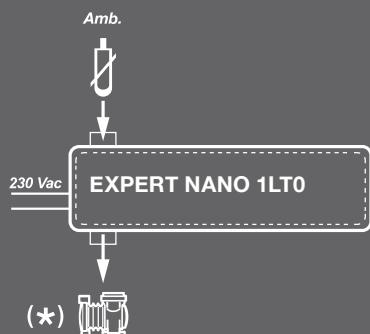
- Control of refrigerated counters, display windows and refrigeration units.

MAIN CHARACTERISTICS

- Can be configured for hot or cold or alarm applications.
- Off-cycle defrosting can be set on the basis of frequency or duration.
- Key operated manual START/STOP defrosting.
- Key operated ON/OFF.
- Display/adjustment of temperature with decimal point.
- Flat front surface for easy cleaning and keys of ample dimension which can be customized with various colours (on request).
- High brightness display with increased icons and figures.
- PEGO programming philosophy guaranteeing immediate start-up.
- IP65 front protection. Two-fold fastening options: clips / screws.
- Relay capacity and power depending on model.

CONNECTION DIAGRAMS

(*) = Configurable function

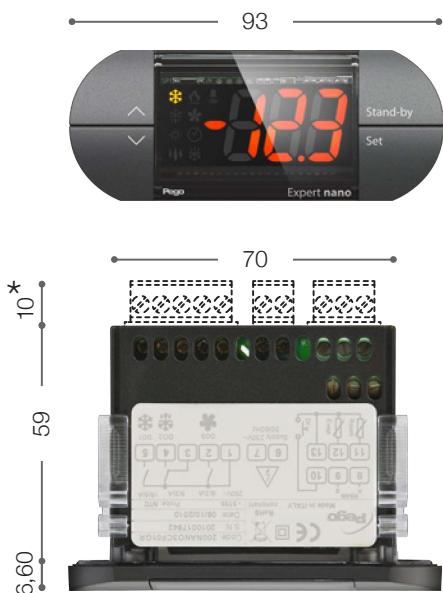




ACCESSORIES AVAILABLE

THERMOSTATS EXPERT NANO SERIES

86 | 87



(*) Only for EXPERT NANO 1LT 02

TECHNICAL CHARACTERISTICS	EXPERT NANO 1LT 01	EXPERT NANO 1LT 02	EXPERT NANO 1LT 11
DIMENSIONS		93 x 37 mm depth 59 mm	
DRILL HOLE TEMPLATE		71 x 29 mm (+0,2/-0,1 mm)	
INSTALLATION		In front of board by means of rear fastening clips or two front screws	
CASING		Plastic PC+ABS UL94 V-0 body, PC transparent front, Key panel PC or PC+ABS	
INSULATION TYPE		Class II	
FRONT PROTECTION RATING		IP65 with front board installation	
POWER SUPPLY	230 V AC ~ +10/-15% 50/60 Hz		12 V AC ~ +10/-15% 50/60 Hz 12 V DC +10/-15% class 2
ABSORBED POWER		3 VA max	
OPERATING TEMPERATURE		-5 ÷ 55 °C - humidity < 90% Rel. Hum. Not condensing	
STORAGE TEMPERATURE		-20 ÷ 70 °C - humidity < 90% Rel. Hum. Not condensing	
UNSUITABLE OPERATING ENVIRONMENTS		Environments with strong vibrations or impacts; aggressive, polluted or corrosive atmospheres, exposure to direct solar radiation, explosive atmospheres or flammable gas.	
DISPLAY		3-Digit with sign, decimal point and LED status indicators	
RESOLUTION		0,1 °C	
PROBE PRECISION (electronic)		±0,5 °C	
READING RANGE		-45 ÷ 99 °C	
CONNECTIONS	Screw fixed clamps	Screw removable clamps	Screw fixed clamps
SOFTWARE CLASS		A / Parameters saved on non-volatile memory (EEPROM)	
INPUTS			
ANALOGUE INPUTS		1 Inputs for NTC probes NTC (10 kΩ 1% at 25 °C) / PTC	
OUTPUTS			
COMPRESSOR RELAY (DO1)	N.O. 16(6)A / 250 V AC	N.O. 16(6)A / 250 V AC	N.O. 16(6)A / 250 V AC
ACCESSORIES			
ACCESSORIES AVAILABLE	NANO BOX - NANO ADAPTER	NANO ADAPTER	NANO BOX - NANO ADAPTER

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