

EXPERT NANO

EXPERT NANO 1LT

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.



APPLICATIONS

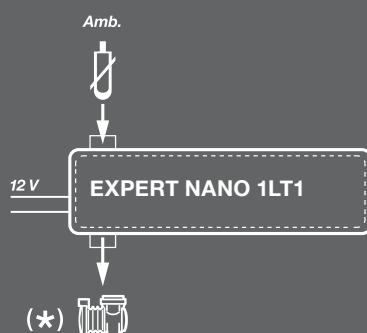
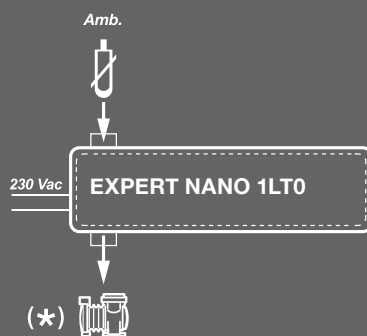
- Control of refrigerated counters, display windows and refrigeration units.

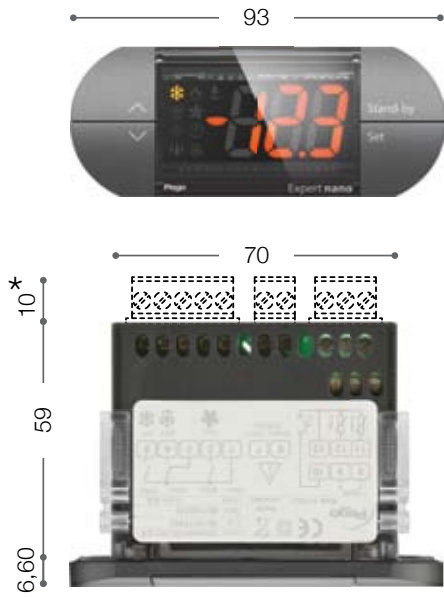
MAIN CHARACTERISTICS

- 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





(*) Only for EXPERT NANO 1LT02 and 1LT12

TECHNICAL CHARACTERISTICS	EXPERT NANO 1LT01	EXPERT NANO 1LT02	EXPERT NANO 1LT11	EXPERT NANO 1LT12
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	Screw removable 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	N.O. 16(6)A / 250 V AC
ACCESSORIES				
ACCESSORIES AVAILABLE	NANO BOX NANO ADAPTER	NANO ADAPTER	NANO BOX NANO ADAPTER	NANO ADAPTER