

# 200NANOLT01

Pego Expert nano digital thermostat for both heating and cooling applications.

Static defrost by stopping the compressor.

Display protection: IP 65

Power supply: 230 VAC, 3 VA

Working temperature: -5°C to 55°C

Output: 1 relay 16(6)A @240 VAC

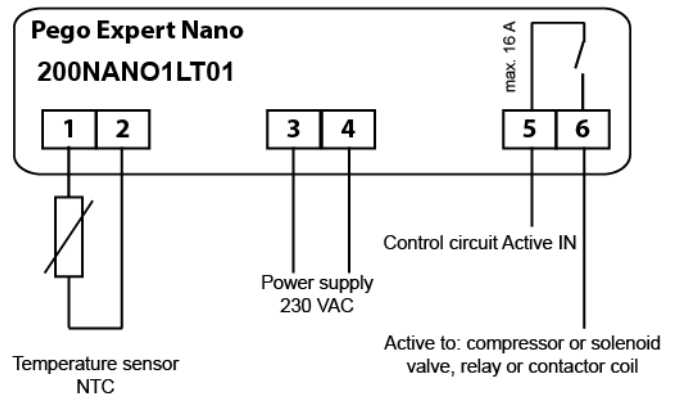
## Programming procedure

### Temperature Set Point ('Set'+▼or▲)

Press "set" button to view current setpoint.

Keep "set" button pressed and press ▼ or ▲ to set the desired value.

Release "set" button to return to view the room temperature. Changes are automatically saved.



## Programming Parameters

### Level 1 (▼+▲)

Press ▼ and ▲ for 3 seconds to access level 1 menu.

Press ▼ or ▲ to select the parameter.

### Level 2 (▼+▲+Stand-by)

Press ▼, ▲ and "stand-by" for 3 seconds to access level 2 menu.

Press ▼ or ▲ to select the parameter.

### To check/modify selected parameter

Press "set" to check the value of a parameter.

Press and hold "set" and ▼ or ▲ to set the desired value.

### To confirm all changes

Press ▼ and ▲ for 3 seconds to save settings and exit menu. Otherwise system leaves menu after 30 seconds.

For level 2 programming the system will be placed in Stand-By mode. Press "stand-by" to turn off Stand-By mode.

- ❖ During the normal operation the controller shows the room temperature.
- ❖ To activate/terminate defrost manually, press and hold ▼ for 3 seconds.

	LED ON	LED Flashes
	Cold function ON	Cold function ON, compressor delay "C1"
	Defrost in progress	
	Hot function ON	
	Temperature alarm has been reset	Alarm present

## Level 1 Parameters

	Min.	Max.	unit	def	
r0	0.2	10	°C	2	Differential (positive if m0d=0 or negative if m0d=1)
d0	0	24	hour	4	Defrost interval (0 = defrost disabled)
d3	1	240	min	25	Maximum defrosting duration
A1	-45	A2	°C	-45	Minimum temperature alarm
A2	A1	99	°C	99	Maximum temperature alarm

## Level 2 Parameters

	Min.	Max.	unit	def	
C1	0	15	min	3	Minimum time between each turning off and on of the compressor
CE1	0	240	min	0	Duration of compressor ON time in the case of faulty probe- emergency mode (disabled if CE1=0 and then d0=0)
CE2	5	240	min	5	Duration of compressor OFF time in the case of faulty probe- emergency mode
mOd	0	1		0	0 = Cold function, 1 = Hot function (defrost disabled)
LSE	-45	HSE	°C	-45	Minimum set point
HSE	LSE	99	°C	99	Maximum set point
CAL	-10	10	°C	0.0	Sensor calibration
Ald	0	240	min	120	Temperature alarm delay
P1	0	3		3	Active when PA ≠ 0 0= Displays set point and allows alarm stop 1= Displays set point, allows alarm stop + defrost 2= Blocks access to level 1&2 when programming 3= Blocks access to level 2 during programming
PA	0	999		0	Password (disabled when PA=0). See P1 for protection type
reL					Release software- reading only

CODE	REASON	REMEDIES	EFFECTS
orH	Temperature out of range > 99°C	Check HSE	
orL	Temperature out of range less than -45°C	Check LSE	
EL	Low temperature alarm	Check "A1"	No effects
EH	High temperature alarm	Check "A2"	No effects
E0	Room / cabinet sensor damaged or disconnected	Check the connection, check the temperature next to the sensor	The compressor will work in accordance with parameters CE1 & CE2
E2	Data memory corrupted	Switch the power off and on, if the error message remains the controller must be changed	All outputs are deactivated except for alarm outputs.



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