((NECTOR

IN TOUCH WITH YOUR COLD ROOM

nector.pego.it

ESSENTIAL AND ELEGANT DESIGN FOR YOUR COLD ROOM

NECTOR is designed to offer a wide range of functions and complete connectivity, in a panel with a clean and essential design able to integrate perfectly in any environment thanks to its PMMA surface with capacitive multitouch

-12.3

NEW COLOR CODE FOR COLD ROOM

A large flat RGB LED display provides an immediate view of the system status. The integrated datalogger stores the values such as status of the probes and digital inputs, up to 2 years

🟩	All right!
🟦	Cold in action
🟨	Defrost / heat
🟧	Pre-alarm
🟥	Alarm

USB PORT for software updates, import / export parameters and recordings download

MAGNETOTHERMIC DIFFERENTIAL CIRCUIT-BREAKER
INTERRUTTORE MAGNETOTERMICO DIFFERENZIALE

WARNING: switch off the power supply before opening the device
ATTENZIONE: spegnere l'interruttore generale prima di rimuovere il coperchio

Pego

(((NECTOR

Control panel for the complete management of cold room with
single-phase compressor up to 2 HP with Datalogger function and integrated connectivity.

- Simple programming "Pego philosophy"
- Easy secure connection via bluetooth
- Complete programming via the MyPego APP
- Direct Wi-Fi and Ethernet connection to the Pego Cloud
- Calibration report included

Available on the
App Store

GET IT ON
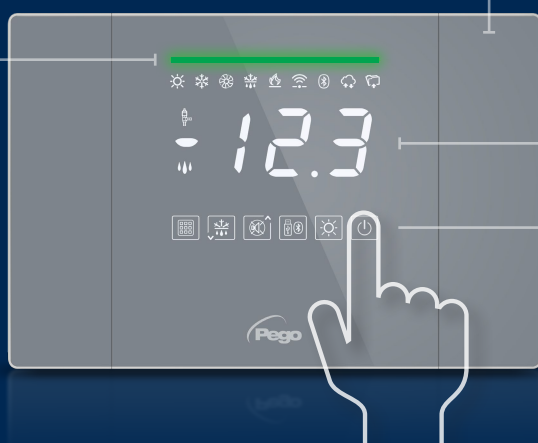**Google Play**

DOUBLE ACCESS

for equipping with multiple magnetothermic
switches and DIN rail components

LARGE WHITE LED DISPLAY

large white light display
high visibility

MULTI TOUCH

the action on several keys at the same time
allows you to multiply the available functions

EXTREME CONNECTIVITY
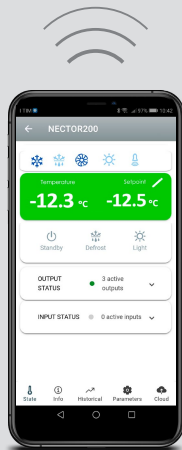# FOR TOTAL REMOTE CONTROL

WiFi and Ethernet connectivity

Bluetooth connectivity

Cloud connection with MyPego iOS and Android APP

Integrated datalogger function

• BLE (Bluetooth low energy)
• WiFi 802.11 b/g/n (2.4 GHz) up to 150 Mbps
• Cloud

• Ethernet 10/100 Mbps
• Serial RS-485 Modbus-RTU
Supervision **TELENET** WEB
MONITORING - SUPERVISION SYSTEM

• Automatic notification in case of cold room anomaly *

• Accessibility 24/24 from APP to check the status of the cold room *

• Emergency management

• Maintenance planning

• Time organization

* Free trial for a limited time. Subscription plans available.

The connection to the Pego cloud via Ethernet / Wifi allows the user to always stay in contact with the cold room by receiving real-time notifications in case of anomalies directly on the smartphone.

IN TOUCH WITH YOUR COLD ROOM

- Visualization of system status in real time
- Display of parameters and daily history
- Receive alarm notifications in real time
- Instrument data sharing with other users
- Multilingual

TECHNOLOGY AND PERFORMANCE FOR FULL CONTROL SYSTEMS

Control panel for the complete management of refrigerated cells with single-phase compressor up to 2 HP with Datalogger function and integrated connectivity.
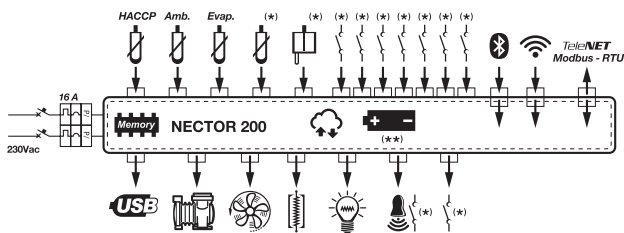
MAIN FEATURES

- Direct management of the compressor, defrost heaters, evaporator fans, cabinet light.
- Datalogger function with recording up to 2 years of ambient temperature and related alarms. Instrument designation: EN 12830, S, A, 1, measuring range: - 45 ° C + 99 ° C.
- Humidification function with dedicated 4 - 20 mA humidity probe (supplied separately).
- Condenser fan speed management with 0-10 V analogue output and dedicated pressure probe.
- Evaporator fan speed management with configurable 0-10V analogue output.
- Management of defrosting by pause, by resistance, by hot gas or by thermostat resistance.
- Possibility of real time clock defrosting.
- Direct management of the solenoid for hot gas defrosting.
- Double evaporator management with double end defrost probe.
- Emergency operation (in case of faulty ambient probe).
- Pump-down operation.
- Cold / hot mode configurable.
- Energy saving (day / night setpoint management, intelligent defrosts)
- Instant recording function of alarm events and digital inputs.
- Data download on external USB memory.
- Software update function via USB.
- Parameter import / export function via USB.
- Backup battery that keeps the real-time recordings of temperature and humidity active in the event of a power failure (optional).
- Control electronics with large display and easy-to-use TOUCH keyboard.
- Ability to alternately view the ambient temperature and humidity on the display
- Integrated differential magnetothermic for the protection and sectioning of the refrigeration unit.
- Wi-Fi, Ethernet and Bluetooth (BLE) connectivity.
- Bluetooth functions: Complete remote control of the instrument, configuration of connectivity settings, display of daily history and system status.
- Cloud functions (function can be activated by subscription): real-time system status display; display of parameters and daily history; receiving alarm notifications in real time.
- Integrated local webserver.
- 7 configurable digital inputs (in 16 modes).
- 2 configurable digital outputs (in 11 modes).
- RS485 for connection to the TeleNET or ModBUS supervision network
- TeleNET program downloadable free of charge from the website www.pego.it for archiving and consulting the data downloaded with the USB memory from NECTOR panels.

Code	NECTOR200CR	NECTOR200	NECTOR200D75	NECTOR200B	NECTOR200-30	NECTOR200EN
Differential magnetothermic (*)	O	X	-	X	X	X
7.5 KW defrost mini contactor (**)	-	-	X	-	-	-
Backup battery	O	O	O	X	X	X
Light differential magnetothermic	O	O	-	O	X	X
Energy consumption measurement module	O	O	-	O	O	X

X Present   O Optional   – Not available

200 · 300 · 100

TECHNICAL FEATURES

DIMENSIONS	300 X 200 X 100 mm
WEIGHT	0,7 Kg
DEGREE OF PROTECTION BOX	IP65
BOX MATERIAL	SELF-EXTINGUISHING PC-ABS
TYPE OF INSULATION	CLASS II

WEATHER CONDITIONS

WORKING TEMPERATURE	-5 +40 °C
STORAGE TEMPERATURE	-10 +70 °C
RELATIVE HUMIDITY	Less than 90 RH% (Non condensing)

ELECTRICAL FEATURES

SUPPLY VOLTAGE	85 – 260 Vac (± 10%) Single phase
POWER FREQUENCY	50 / 60 Hz
MAX ABSORBED POWER	~10 VA
BATTERY (OPTIONAL)	12 V, NI-MH 1300 mAh, autonomy 40h
GENERAL ELECTRICAL PROTECTION (depending on the model)	16A BIPOLAR DIFFERENTIAL MAGNETOTHERMIC SWITCH, CURVE C, Id = 300mA

INPUT FEATURES

TYPE OF PROBES THAT CAN BE CONNECTED	4 NTC 10KΩ TEMPERATURE PROBES 1 4-20 mA probe configurable as 0-100RH% humidity or pressure
RESOLUTION	TEMPERATURE: 0.1 ° C HUMIDITY / PRESSURE: 1 RH% / 0.1 Bar
MEASURING RANGE	TEMPERATURE: -45 +99 ° C HUMIDITY / PRESSURE: 0T100 RH% / 0.1 Bar
CONFIGURABLE DIGITAL INPUTS	7

DESIGNATION

NORMATIVE REFERENCE	CE + EN 12830
ADEQUACY	S (Storage)
TYPE OF CLIMATE ENVIRONMENT	A
ACCURACY CLASS	1

OUTPUT FEATURES (VOLTAGE FREE CONTACTS)

COMPRESSOR	1500 W (AC3)
RESISTANCES	3000 W (AC1) (** depending on model)
FANS	500 W (AC3)
COLD ROOM LIGHTING	800 W (AC1) or 100W for LED lights
CONFIGURABLE OUTPUT 1	100 W (AC1)
CONFIGURABLE OUTPUT 2	100 W (AC1)
ANALOG OUTPUT	0 – 10 V

CONNECTIVITY

SERIAL RS485	MODBUS-RTU / TELENET
BLUETOOTH	BLE LOW ENERGY
WIFI	802.11 B/G/N (2.4 GHZ) UP TO 150 Mbps
ETHERNET	10/100 Mbps

PEGO a Castel company

Via Piacentina 6/b
45030 Occhiobello (Rovigo) Italy
☏ (+39) 0425 76 29 06
🖷 (+39) 0425 76 29 05
✉ info@pego.it
www.pego.it

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