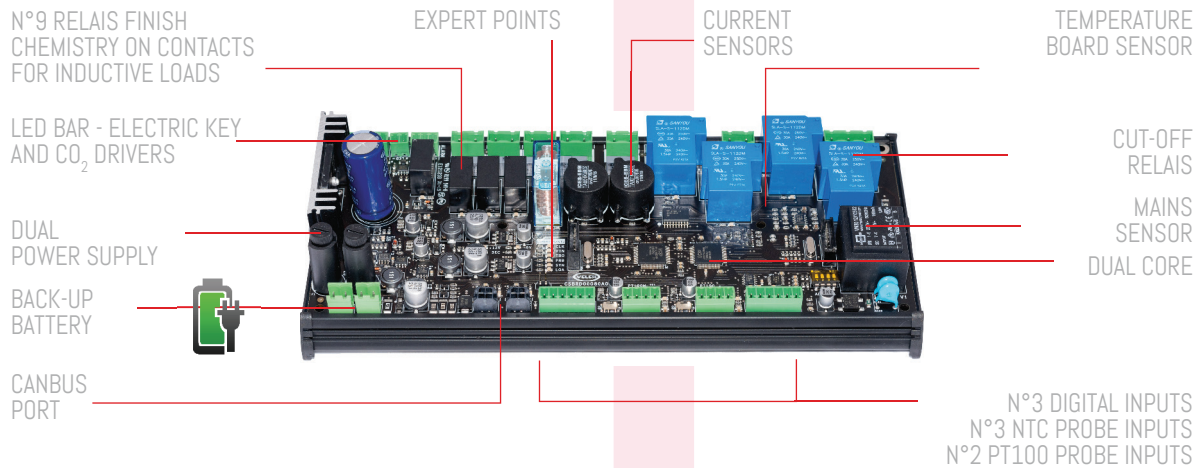


Temperature controller for industrial static and ventilated units.
 PRO2 is particularly suitable for the pharmaceutical and hospital industry.
 The safety functions raise the reliability of the thermostat-refrigerator.
 Compatible with D2 - D3 - D4 displays.



FUNCTIONS

- Range of thermostat control [-86...+10]°C
- NTC or PT100 thermostat probe
- Battery back-up and charging
- Hot gas or electric defrost
- Defrost timer, at compressor hours, RTC, automatic
- Programmable ecomode function
- Led bar and electric key driver
- CO2 valve driver
- Loads consumption controls and notify
- Driver speed fan condenser in option
- Connection to Atex Pro Cloud through bridge modules

SAFETY

- Bus communication protocol for high immunity to electrical interference
- Dual power supply
- Monitor probe for alarms and temperature recording
- Consistency control between sensor and monitor thermostat probe
- Transfer of adjustment to evaporator probe in case of thermostat probe failure
- Notice of high temperature board
- Notice of high or low voltage
- Reading of switching relais indicating the percentage of wear
- Operation control through led on the board
- Two cards operation mode for redundant units
- Compressor load cut-off relay
- Defrost load cut-off relay

TECHNICAL DATA

Inputs	N°3 NTC [-49.9...+99.9]°C N°2 PT100 [-99.9...+49.9]°C N°3 Digital inputs N°1 Battery back-up
Relais outputs	30-30-16-5-5-5 A + 5A SPDT (alarm)
Drivers	Electric key CO ₂ valve Led bar (max 25W)
Ports	2 x Canbus
Power supply	12Vac - 50/60Hz
Dimensions	245x107x45 mm
Control logic	Double microcontroller (master and slave)
Cut-off relais	30A on compressor line 30A on defrost line
Sensors	Voltage line Loads current Board temperature

CODES

With din bar support: BT92203000
 Without cover: BT92203100