



Electronic Controller for compressors room management

Logik 200 is an industrial electronic controller suitable for the right management of screw compressors rooms via serial communication RS485 (max. 12 units connected).

Developed to grant the best efficiency to the system, Logik 200 is able to keep a constant line pressure focused on the achievement of best energy saving by operating both ON/OFF and Drive (Inverter) compressors of every brand.

The management of the compressors is operated:

- directly via serial port, in case of compressors with Logik controllers on board;
- via interface box for all those units without Logik controllers on board.

Through serial line RS232, Logik 200 communicates to the external world via Logik Ethernet interface, allowing the real time monitoring of the plant status from PC.

● graphic back light coloured LCD 4,3" TFT (480x272 dots) with touchscreen




● USB port for data download

● Nr. 1 RS485 line for the connection to other compressors

● Nr. 1 RS232 line for the connection to Ethernet interface





- Conformity to EC regulation
- Wall fixing
- Grey auto-extinguishing box (V0)
- Protection degree: IP64
- Insulation class: 
- Working temperature: -5°C (23°F) ÷ 50°C (122°F)
max 90% RH (non condensing)
- Storage temperature: -20°C (-4°F) ÷ 70°C (158°F)
- Power supply: 230Vac +/- 15% – 50 Hz/ 60 Hz
- Inputs and outputs via terminal-blocks to wires through core-hitches
- Visualization through graphic back light coloured LCD 4,3" TFT (480x272 dots) with touchscreen
- Multilanguage visualization
- nr. 1 time-keeper with buffer battery
- nr. 2 function key-buttons: ON / Stand-by
- nr. 1 buzzer for alarms signaling
- nr. 1 input for working pressure transducer 4-20 mA
- nr. 1 input for ambient air temperature probe PT1000
- nr. 1 RS485 for connection to Logik controllers or Slave interface to bus communication
- nr. 1 RS232 for connection to Logik Ethernet Interface
- nr. 1 USB Host port (A type) with support for USB data storage
- nr. 1 output via relay for alarm signaling with contacts 8(2)A 230Vac
- Non volatile memory to store setting data, compressor status, alarms.
- Weight: ~ 0.5 Kg

Logik 200 controller is provided with:

- Kit tiles for wall fixing
- nr. 1 pressure transducer 4–20mA - 2 wires with stainless steel membrane AISI 316L
- nr. 1 temperature probe PT 1000

TECHNICAL FEATURES SLAVE MODULE

- Power supply: 24Vac $\pm 15\%$ - 50Hz
- 4 DIN grey auto-extinguishing box (V0) protection IP20
- Inputs and outputs via screw terminal block
- Working temperature: 0°C (32°F) ÷ 50°C (122°F)
with 90% RH (non condensing)
- Storage temperature: -20°C (-4°F) ÷ 70°C (158°F)
- nr. 2 inputs from 24Vac o 110/230Vac:
line contactor and load solenoid valve contactor
- nr. 2 relays for compressor management (manual/remote)
- nr. 1 serial port RS485 for bus communication
- nr. 1 analogue input 0 ÷ 10V or 4–20mA (settable)
- nr. 6 dip switch to set Modbus address, type of compressor (star/delta or inverter), type of analogue input
- nr. 1 green led

