

DIN NANO SC 500

Electronic controller for compressor rack management.
Allows control of compressors or condenser fans,
adjusted with pressure sensor (high or low pressure).



APPLICATIONS

- Compressor rack.
- Electrical board design according to customer specifications.

FUNCTION

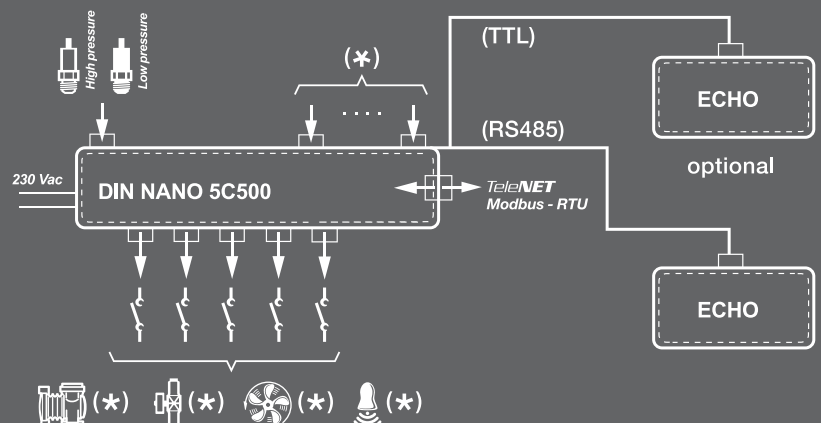
- Sideband adjustment.
- It can be configured to control the compressors, compressor splitting valves or condenser fans (up to a max. of 5 outputs).
- Compressor/fan rotation depending on the operation timing.
- Analogue output 0-10 V for compressor inverter control or to adjust the speed of the condensation fans.
- Screen displays pressure and output status (on, off, starting or shutting down).
- Pressure transducer reading display in Bar or in °C (conversion depending on type of refrigerant gas selected).
- Alarm logo management.
- RS485 serial connection with Modbus-RTU or Telenet protocol.

MAIN CHARACTERISTICS

- Pego compressor rack controllers distinguish themselves by simplicity of installation and parameter configuration.
- The installer can configure the controller and start the rack just by making a few simple settings.

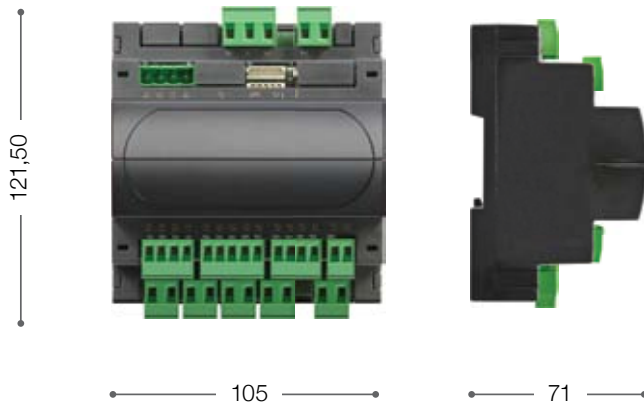
CONNECTION DIAGRAMS

(*) = Configurable function





DIN NANO SC 500



ECHO



TECHNICAL CHARACTERISTICS	DIN NANO SC 500
DIMENSIONS	DIN NANO SC 500: 105 x 121,5 x 71 mm ECHO: 93 x 37 x 23,1 mm
WEIGHT	0,5 kg
PROTECTION RATING (DISPLAY ECHO)	IP65 with front board installation
POWER SUPPLY	230 V AC $\pm 10\%$ 50-60 Hz
ABSORBED POWER	Single-phase
WORKING TEMPERATURE	-5 \div +50 $^{\circ}\text{C}$
STORAGE TEMPERATURE	-10 \div +70 $^{\circ}\text{C}$
RELATIVE AMBIENT HUMIDITY	< 90% RH
CONTROL	PEGO
STATUS INDICATORS	Display 3-Digit with sign, decimal point and LED status indicators
ALARM SIGNALS	Display + Buzzer
INPUTS	
PRESSURE PROBE	4 \div 20 mA configurable
DIGITAL	N° 7 configurable as: compressor alarm 1 ... 5, fan alarm 1 ... 5, compressors alarm (display only), fans alarm (display only), central alarm in manual, liquid level alarm, high pressure alarm, low pressure alarm, remote stand-by.
OUTPUTS	
RELAY (ON/OFF STATUS)	N°5 configurable
ALARM RELAY	PRESENT
ANALOGUE OUTPUTS	N°1 (0-10 V DC, compressor inverter or condensation fan inverter)
SUPERVISION SYSTEM	TELENET / MODBUS-RTU
ACCESSORIES	
ACCESSORIES AVAILABLE	NANO BOX NANO ADAPTER

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ECHO



CONNECTION CABLE