ECP 202 BASE

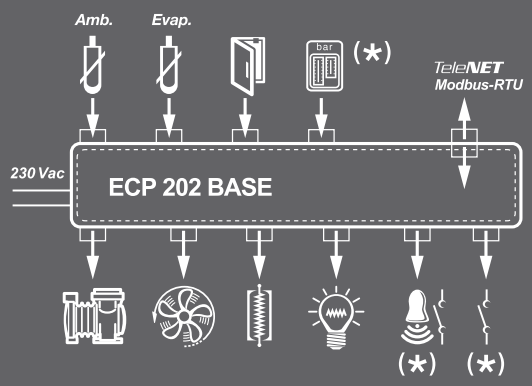
A line of control panels for cold rooms with single-phase compressor up to 2 HP, specially designed to provide greater flexibility at a competitive cost.

APPLICATIONS

- Single-phase static or ventilated system up to 2 HP , off-cycle or electrical defrosting with direct compressor shutdown or in pump-down mode.
- Remote control for compressor, defrosting and fans enabling to be linked to power board.
- Device of single-phase evaporating unit with cold solenoid valve or remote motor condenser unit enabling.

CONNECTION DIAGRAM

(*) = Configurable function



MAIN CHARACTERISTICS

- Direct control of compressor, defrosting heaters, evaporator fans and room light using free-voltage contacts.
- Compact, self-extinguishing ABS housing with IP65 protection rating.
- 2 parameter-configurable digital inputs (door switch, compressor protection, man in cold room alarm, remote stand-by, night function, remote defrost).
- 2 auxiliary relays with parameter-configurable activation (alarm, temperature set-point, direct frontal pushbutton control, door heater elements, freon solenoid control where pump-down compressor operation is applied, active in stand-by).
- Air recirculation management
- Configurable for cold applications or for hot applications.
- Emergency operation in case of faulty ambient probe.
- RS485 for connection to TeleNET industrial supervision network or Modbus-RTU standard protocol.

TECHNICAL CHARACTERISTICS	ECP 202 BASE
DIMENSIONS	203 x 193 x 79 mm
WEIGHT	0,5 kg
PROTECTION RATING	IP65
POWER SUPPLY	230 V AC ±10% 50/60 Hz
LOAD TYPE	SINGLE-PHASE
WORKING TEMPERATURE	-5 ÷ +50 °C
STORAGE TEMPERATURE	-10 ÷ +70 °C
RELATIVE AMBIENT HUMIDITY	< 90% RH
RANGE OF READING	-45 ÷ +99 °C
DEFROST	ELECTRICAL
STATUS INDICATORS	LED + DISPLAY
ALARM SIGNALS	LED + BUZZER
INPUTS	
AMBIENT PROBE	NTC 10 kΩ
EVAPORATOR PROBE	NTC 10 kΩ
OVERLOAD PROTECTION	PRESENT
DOOR SWITCH	PRESENT
OUTPUTS	
COMPRESSOR	1500 W (2HP)
DEFROST	3000 W (AC1)
EVAPORATOR FANS	500 W
COLD ROOM LIGHT	800 W (AC1)
2 CONFIGURABLE RELAYS	PRESENT
SUPERVISION SYSTEM	TELENET / MODBUS-RTU