

ECP200 EXPERT

Control panel for cold rooms with single-phase compressor up to 2 HP, specially designed to provide safety, protection, control and easy-installation – all in one unit.

It allows a complete control of all the components on a refrigeration system.

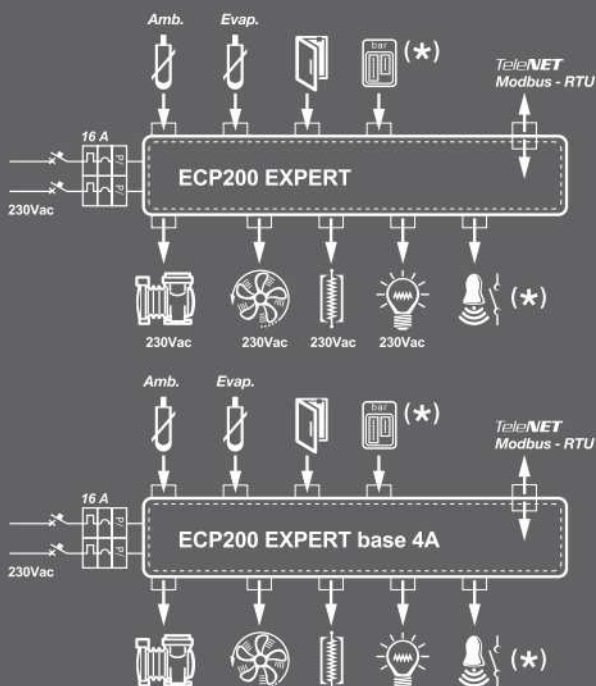


APPLICATIONS

- Complete control of single-phase static or ventilated refrigeration systems up to 2 HP, with off-cycle or electrical defrosting and direct or pump-down compressor stop.
- Control of evaporating unit only with freon solenoid or remote motor condenser enabling.

CONNECTION DIAGRAMS

(*) = Configurable function



MAIN CHARACTERISTICS

- Direct control of compressor, defrosting heaters, evaporator fans and room light with live outputs directly connectable to the various devices or free voltage contacts for control of condensing unit with its own electrical panel.
- Built-in differential magnetothermic breaker for protection and cut-off of refrigeration unit.
- Innovative, stylish design. Transparent cover for access to magnetothermic breaker, all with IP 65 protection rating.
- Auxiliary relay with parameter-configured activation (alarm, temperature set-point, direct control via frontal pushbutton, door heater elements, remote motor condenser unit enabling, freon solenoid control enabling where compressor pump-down operation is applied).
- RS485 for connection to TeleNET industrial supervision network or Modbus-RTU standard protocol.
- Easy installation and opening thanks to new hinged cover.



TECHNICAL CHARACTERISTICS	ECP 200 EXPERT	ECP 200 EXPERT BASE 4A
DIMENSIONS	262 x 168 x 97 mm	262 x 168 x 97 mm
WEIGHT	0,6 Kg	0,6 Kg
POWER SUPPLY		
VOLTAGE	230 V AC \pm 10% 50/60 HZ	230 V AC \pm 10% 50/60 HZ
MAX ABSORBED POWER (ELECTRONIC CONTROL)	~ 7 VA	~ 7 VA
AMBIENT CONDITIONS		
WORKING TEMPERATURE	-5 \div +50°C	-5 \div +50°C
STORAGE TEMPERATURE	-30 \div +70°C	-30 \div +70°C
RELATIVE HUMIDITY	< 90% Rh	< 90% Rh
GENERAL CHARACTERISTICS		
CONNECTABLE SENSOR TYPES	NTC 10 k Ω	NTC 10 k Ω
RESOLUTION	0,1 °C	0,1 °C
PROBE READ PRECISION	\pm 0,5 °C	\pm 0,5 °C
READ RANGE	-45 \div +45 °C	-45 \div +45 °C
OUTPUT CHARACTERISTICS		
COMPRESSOR	1500 W (2HP)	1500 W (2HP) FREE VOLTAGE CONTACT
DEFROST	3000 W (AC1)	3000 W (AC1) FREE VOLTAGE CONTACT
FANS	500 W (AC3)	500 W (AC3) FREE VOLTAGE CONTACT
ROOM LIGHT	800 W (AC1)	800 W (AC1) FREE VOLTAGE CONTACT
CONFIGURABLE ALARM CONTACT / AUX (VOLTAGE-FREE CONTACT)	PRESENT	PRESENT
SUPERVISION SYSTEM	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU
GENERAL ELECTRIC PROTECTION		
BIPOLAR DIFFERENTIAL MAGNETOTHERMIC CIRCUIT BREAKER	16A Id = 300 mA Switching power 4,5 kA Id = 30 mA (on request)	16A Id = 300 mA Switching power 4,5 kA Id = 30 mA (on request)
INSULATION AND MECHANICAL CHARACTERISTICS		
BOX PROTECTION RATING	IP 65	IP 65
BOX MATERIAL	SELF-EXTINGUISHING ABS	SELF-EXTINGUISHING ABS
INSULATION TYPE	Class II	Class II