ECP__ BASE4 U VDE

ECP7.5 Base4 U VDE | ECP15 Base4 U VDE
ECP19.5 Base4 U VDE

A line of power and electronic control panels to manage the three-phase evaporating unit only where devices are served by a compressor rack. Various power ranges and a wide range of optionals allow you to choose the panel best suited to your system.

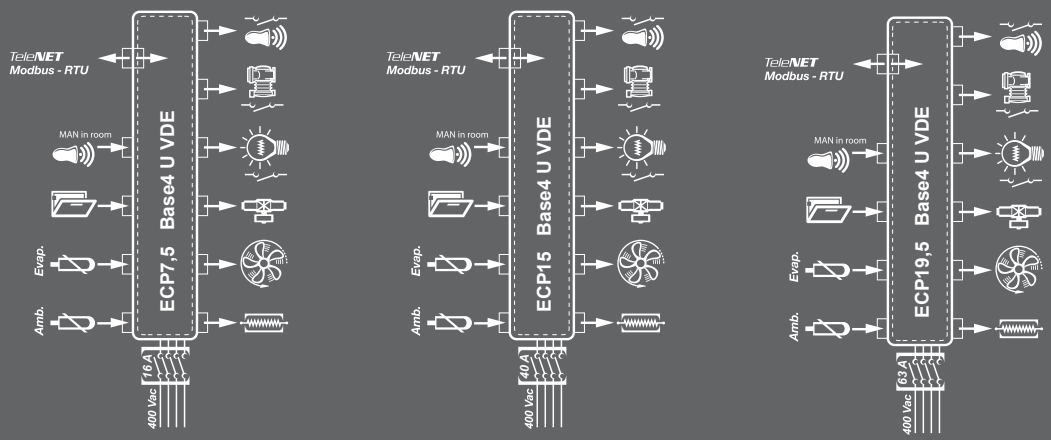
APPLICATIONS

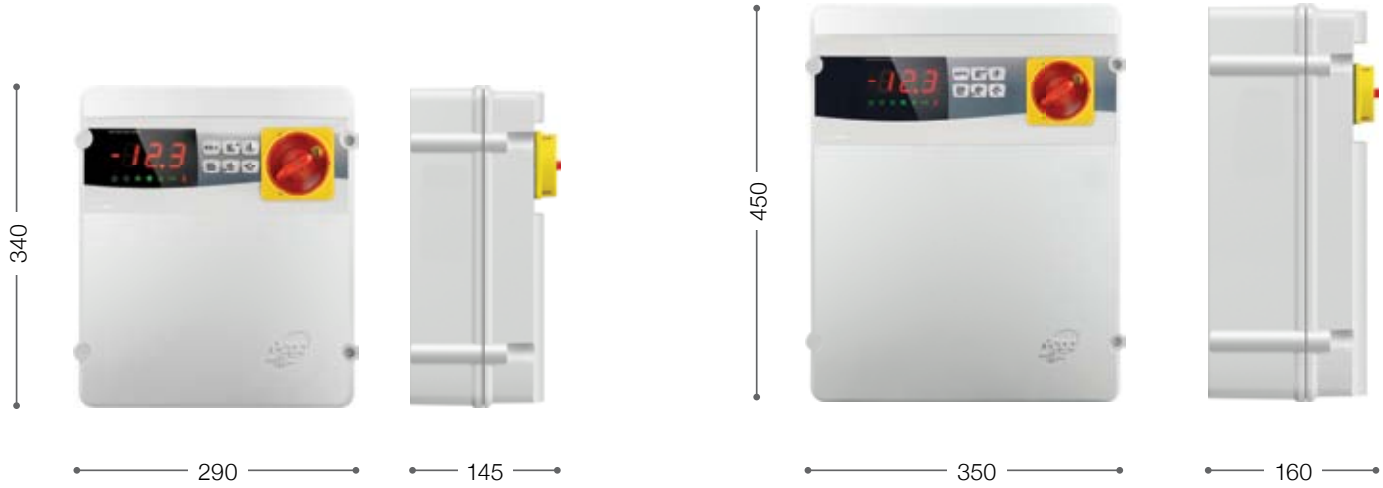
- Control of evaporating unit only with electrical defrost up to 21 kW.

MAIN CHARACTERISTICS

- Protection of the loads and the auxiliary circuit with circuit breakers.
- Enabling for condensing unit, defrosting elements, evaporator fans, solenoid valve, room light and all standard-compliant electrical safeguards.
- Compact, self-extinguishing ABS housing with IP65 protection rating and circuit breaker on front of panel.
- Control electronics with large backlit LCD and user-friendly keypad.
- LED system status indicators.
- RS485 for connection to TeleNET industrial supervision network or Modbus-RTU standard protocol.
- Free-voltage contact alarm output to activate other warning devices such as sirens or dialers.

CONNECTION DIAGRAMS





TECHNICAL CHARACTERISTICS	ECP300 BASE4 7.5 U VDE	ECP300 BASE4 15 U VDE	ECP300 BASE4 19.5 U VDE
BOX DIMENSIONS	290 x 340 x 145 mm	350 x 450 x 160 mm	350 x 450 x 160 mm
WEIGHT	6 kg	6 kg	7 kg
PROTECTION RATING	IP65	IP65	IP65
POWER SUPPLY	400 V AC ±10% 50-60 Hz	400 V AC ±10% 50-60 Hz	400 V AC ±10% 50-60 Hz
LOAD TYPE	THREE-PHASE	THREE-PHASE	THREE-PHASE
WORKING TEMPERATURE	-5 ÷ +50 °C	-5 ÷ +50 °C	-5 ÷ +50 °C
STORAGE TEMPERATURE	-10 ÷ +70 °C	-10 ÷ +70 °C	-10 ÷ +70 °C
RELATIVE AMBIENT HUMIDITY	< 90% RH	< 90% RH	< 90% RH
RANGE OF READING	-45 ÷ +45 °C	-45 ÷ +45 °C	-45 ÷ +45 °C
MAIN SWITCH	16 A	40 A	63 A
PROTECTION	CIRCUIT BREAKERS	CIRCUIT BREAKERS	CIRCUIT BREAKERS
CONTROL	PEGO	PEGO	PEGO
DEFROSTING	ELECTRICAL	ELECTRICAL	ELECTRICAL
INSULATION TRANSFORMER	PRESENT	PRESENT	PRESENT
STATUS INDICATORS	LED + DISPLAY	LED + DISPLAY	LED + DISPLAY
ALARM SIGNALS	LED + BUZZER	LED + BUZZER	LED + BUZZER
INPUTS			
AMBIENT PROBE	NTC 10 kΩ	NTC 10 kΩ	NTC 10 kΩ
EVAPORATOR PROBE	NTC 10 kΩ	NTC 10 kΩ	NTC 10 kΩ
DOOR SWITCH	PRESENT	PRESENT	PRESENT
MAN IN COLD-ROOM ALARM	AVAILABLE	AVAILABLE	AVAILABLE
OUTPUTS			
EVAPORATOR FANS	800 W (1PH)	2x2000 W (3PH)	3x2000 W (3PH)
DEFROSTING HEATERS	7500 W (2500 W x 3, AC1)	16500 W (5500 W x 3, AC1)	21000 W (7000 W x 3, AC1)
ROOM LIGHT	PRESENT	PRESENT	PRESENT
SOLENOID VALVE	PRESENT	PRESENT	PRESENT
ENABLE CONDENSING UNIT	PRESENT	PRESENT	PRESENT
ALARM RELAY	PRESENT	PRESENT	PRESENT
SUPERVISION SYSTEM	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU