

# ECP\_\_BASE4 U VDE

ECP25 Base4 U VDE | ECP36 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

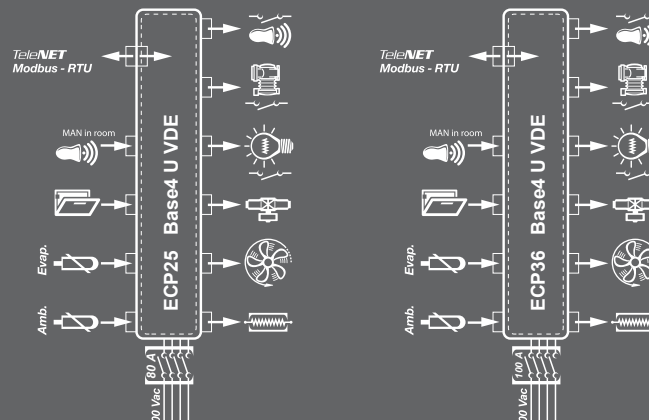
- Control of evaporating unit only with electrical defrost up to 42 kW.

## 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 dials.

## CONNECTION DIAGRAMS





TECHNICAL CHARACTERISTICS	ECP25 BASE4 U VDE	ECP36 BASE4 U VDE
BOX DIMENSIONS	470 x 650 x 210 mm	470 x 650 x 210 mm
WEIGHT	20 kg	20 kg
PROTECTION RATING	IP65	IP65
POWER SUPPLY	400 V AC $\pm 10\%$ 50-60 Hz	400 V AC $\pm 10\%$ 50-60 Hz
LOAD TYPE	THREE-PHASE	THREE-PHASE
WORKING TEMPERATURE	-5 $\div$ +50 $^{\circ}$ C	-5 $\div$ +50 $^{\circ}$ C
STORAGE TEMPERATURE	-10 $\div$ +70 $^{\circ}$ C	-10 $\div$ +70 $^{\circ}$ C
RELATIVE AMBIENT HUMIDITY	< 90% RH	< 90% RH
RANGE OF READING	-45 $\div$ +45 $^{\circ}$ C	-45 $\div$ +45 $^{\circ}$ C
MAIN SWITCH	80 A	100 A
PROTECTION	CIRCUIT BREAKERS	CIRCUIT BREAKERS
CONTROL	PEGO	PEGO
DEFROSTING	ELECTRICAL	ELECTRICAL
INSULATION TRANSFORMER	PRESENT	PRESENT
STATUS INDICATORS	LED + DISPLAY	LED + DISPLAY
ALARM SIGNALS	LED + BUZZER	LED + BUZZER
<b>INPUTS</b>		
AMBIENT PROBE	NTC 10 k $\Omega$	NTC 10 k $\Omega$
EVAPORATOR PROBE	NTC 10 k $\Omega$	NTC 10 k $\Omega$
DOOR SWITCH	PRESENT	PRESENT
MAN IN COLD-ROOM ALARM	AVAILABLE	AVAILABLE
<b>OUTPUTS</b>		
EVAPORATOR FANS	4x2500 W (3PH)	4x2500 W (3PH)
DEFROSTING HEATERS	30000 W (AC1) (10000 W x 3, AC1)	42000 W (14000 W x 3, AC1)
ROOM LIGHT	PRESENT	PRESENT
SOLENOID VALVE	PRESENT	PRESENT
ENABLE CONDENSING UNIT	PRESENT	PRESENT
ALARM RELAY	PRESENT	PRESENT
SUPERVISION SYSTEM	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU