

ECP__BASE4 U VD

ECP 300 BASE4 U VD | ECP 400 BASE4 U VD
ECP 750 BASE4 U VD | ECP 1000 BASE4 U VD

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 12 kW.

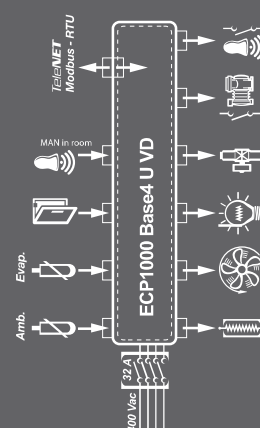
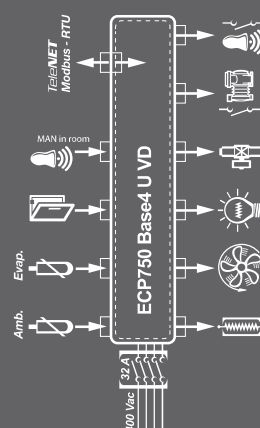
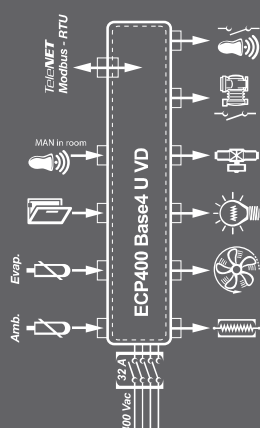
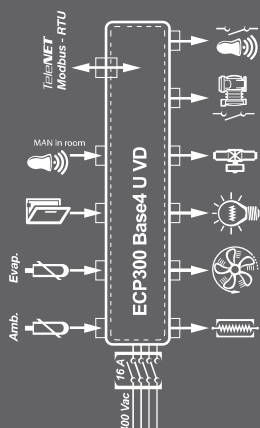
OPTIONS

- Magnetothermic circuit breakers installed instead of fuses.

MAIN CHARACTERISTICS

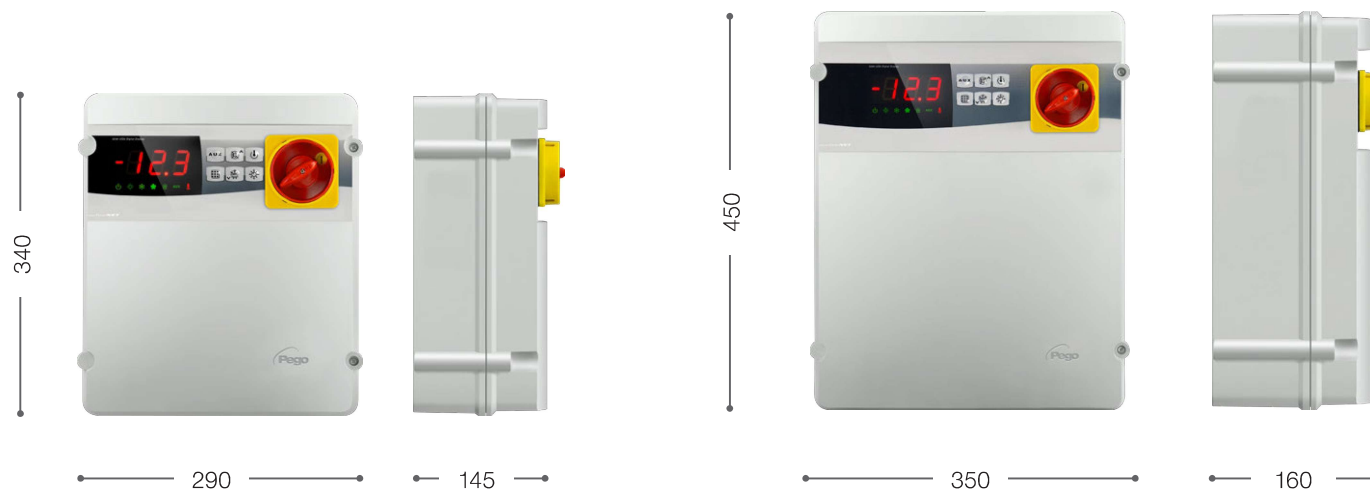
- Enabling for condensing unit, defrosting elements, evaporator fans, solenoid valve, room light and all standard-compliant electrical safeguards.
- Compact, self-extinguishing ABS housing with IP65 protection rating and circuit breaker on front of panel.
- Control electronics with large backlit LCD and user-friendly keypad.
- LED system status indicators.
- RS485 for connection to TeleNET industrial supervision network or Modbus-RTU standard protocol.

CONNECTION DIAGRAMS



THREE-PHASE UNITS BASE SERIES

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TECHNICAL CHARACTERISTICS	ECP 300 BASE4 U VD	ECP 400 BASE4 U VD	ECP 750 BASE4 U VD	ECP 1000 BASE4 U VD
BOX DIMENSIONS	290 x 340 x 145 mm	350 x 450 x 160 mm	350 x 450 x 160 mm	350 x 450 x 160 mm
WEIGHT	5 kg	6 kg	6 kg	7 kg
PROTECTION RATING	IP65	IP65	IP65	IP65
POWER SUPPLY	400 V AC $\pm 10\%$ 50/60 Hz	400 V AC $\pm 10\%$ 50/60 Hz	400 V AC $\pm 10\%$ 50/60 Hz	400 V AC $\pm 10\%$ 50/60 Hz
LOAD TYPE	THREE-PHASE	THREE-PHASE	THREE-PHASE	THREE-PHASE
WORKING TEMPERATURE	-5 $\div$ +40 °C	-5 $\div$ +40 °C	-5 $\div$ +40 °C	-5 $\div$ +40 °C
STORAGE TEMPERATURE	-10 $\div$ +70 °C	-10 $\div$ +70 °C	-10 $\div$ +70 °C	-10 $\div$ +70 °C
RELATIVE AMBIENT HUMIDITY	< 90% RH	< 90% RH	< 90% RH	< 90% RH
RANGE OF READING	-45 $\div$ +45 °C	-45 $\div$ +45 °C	-45 $\div$ +45 °C	-45 $\div$ +45 °C
MAIN SWITCH	16 A	32 A	32 A	32 A
GENERAL PROTECTION	FUSES	FUSES	FUSES	FUSES
CONTROL	PEGO	PEGO	PEGO	PEGO
DEFROSTING	ELECTRICAL	ELECTRICAL	ELECTRICAL	ELECTRICAL
INSULATION TRANSFORMER		PRESENT	PRESENT	PRESENT
STATUS INDICATORS	LED + DISPLAY	LED + DISPLAY	LED + DISPLAY	LED + DISPLAY
ALARM SIGNALS	LED + BUZZER	LED + BUZZER	LED + BUZZER	LED + BUZZER
INPUTS				
AMBIENT PROBE	NTC 10 k Ω	NTC 10 k Ω	NTC 10 k Ω	NTC 10 k Ω
EVAPORATOR PROBE	NTC 10 k Ω	NTC 10 k Ω	NTC 10 k Ω	NTC 10 k Ω
DOOR SWITCH	PRESENT	PRESENT	PRESENT	PRESENT
MAN IN COLD-ROOM ALARM	AVAILABLE	AVAILABLE	AVAILABLE	AVAILABLE
OUTPUTS				
EVAPORATOR FANS	1500 W (1PH)	1500 W (1PH)	2x2000 W (3PH) OR 2x1500 W (1PH)	3x2000 W (3PH) OR 3x1500 W (1PH)
DEFROSTING HEATERS	4000 W	7500 W	9000 W	12000 W
ROOM LIGHT	PRESENT	PRESENT	PRESENT	PRESENT
SOLENOID VALVE	PRESENT	PRESENT	PRESENT	PRESENT
ENABLE CONDENSING UNIT	PRESENT	PRESENT	PRESENT	PRESENT
ALARM RELAY	PRESENT	PRESENT	PRESENT	PRESENT
SUPERVISION SYSTEM	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU	TELENET / MODBUS-RTU