



THREE PHASE COLD ROOM PANEL

Product description:

The ECP300 EXPERT U VD is a range of control panels for evaporators with a three-phase compressor up to 12 kW, specially designed to provide the user with safety, protection, control and ease of installation.

Product features:

- ▶ Cold room temperature displaying and regulation with decimal point.
- ▶ Plant control activation/deactivation. - Plant alarms signalling (probe error, minimum and maximum temperature alarm, compressor protection, door alarm).
- ▶ LED indicators and large display illustrate system status.
- ▶ Magnetothermic circuit breaker accessible from the front panel, cuts the general power supply.
- ▶ Easy wiring on the internal terminal block.
- ▶ Auxiliary relay with activation configurable by parameter.
- ▶ Transparent cover for access to all the protections, all with IP65 protection rating.
- ▶ RS485 for connection to TeleNET industrial supervision network or Modbus-RTU standard protocol.

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www.thermofrostcryo.co.uk



Exclusive distributor

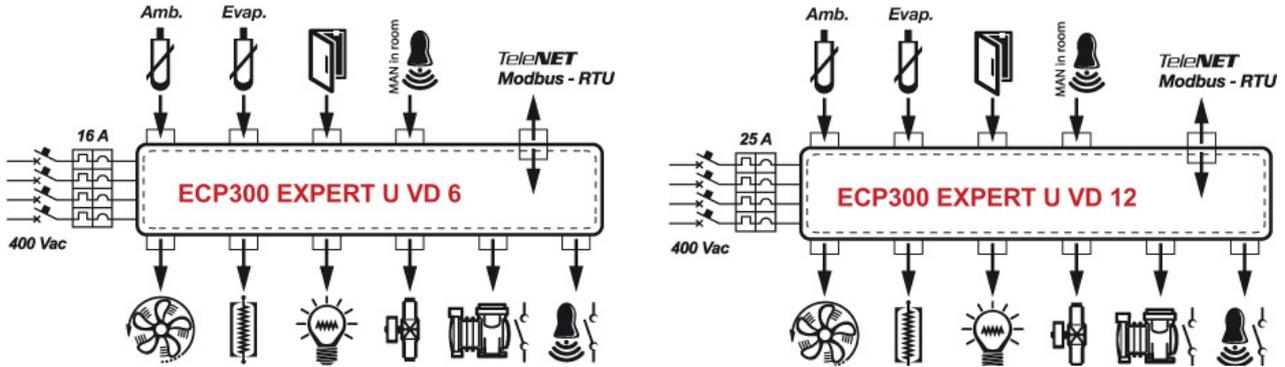
Thermofrost Cryo

ECP300 Expert control panels

Application

Control of evaporator units with electrical defrost up to 12 kW.

Connection diagram



Technical

Dimension	400 x 300 x 135 mm	400 x 300 x 135 mm
Weight	9 Kg	10 Kg
Protection rating	IP 65	IP 65
Power supply (3PH + N + E)	400 V AC $\pm 10\%$ 50/60 Hz	400 V AC $\pm 10\%$ 50/60 Hz
Load type	Three phase	Three phase
Working temp.	-5 \div +40°C	-5 \div +40°C
Storage temp.	-25 \div +55°C	-25 \div +55°C
Connectable sensor types	30% - 90% Rh	30% - 90% Rh
Resolution	-45 \div +99°C	-45 \div +99°C
Probe read precision	4 poles magnetothermic 16A	4 poles magnetothermic 25A
Room light protection	Differential magnetothermic circuit breaker (optional)	Differential magnetothermic circuit breaker
Control	Pego	Pego
Defrost	Electrical	Electrical
Status indicators	Led + Display	Led + Display
Alarm signals	Led + Buzzer	Led + Buzzer
Ambient probe	NTC 10 K Ω	NTC 10 K Ω
Evaporator probe	NTC 10 K Ω	NTC 10 K Ω
Evaporator fans	550 W (1PH)	2x2000 W (3PH)
Defrost heater	6000 W (AC1)	12000 W (AC1)
Room light	800 W (AC1) - Resistive load	1200 W (AC1) - Resistive load