

**ECP300 Base4 VD**  
**ECP400 Base4 VD**  
**ECP750 Base4 VD**  
**ECP1000 Base4 VD**

A line of control panels for cold rooms with **three-phase compressor up to 10 HP**, specially designed for comprehensive cold room management.

Together with the various options, the different power ranges allow the user to select that is 'custom-made' to suit the refrigeration system.



**APPLICATIONS:**

- Complete control of three-phase static or ventilated refrigeration systems up to 10 HP, off-cycle or electrical defrosting.

**MAIN CHARACTERISTICS:**

- Direct control of compressor, condenser fans, compressor oil heater, defrosting heaters, evaporator fans, solenoid valve, room light and all standard-compliant electrical protection devices.
- Compact, self-extinguishing ABS housing with IP65 protection rating and frontal circuit-breaker.
- Electronic control with wide LED display and user-friendly keypad.
- System status indicated by icons.
- RS485 per la connessione alla rete di supervisione industriale **TeleNET**.

**OPTIONS:**

- Installation of magnetothermic protection devices instead of fuses.
- Alarm output with clean contact to activate further warning devices such as siren or dialler.
- Pump-down compressor stop.
- Hot-gas defrost control.





TECHNICAL CHARACTERISTICS	ECP300 Base4 VD	ECP400 Base4 VD	ECP750 Base4 VD	ECP1000 Base4 VD
<b>Box dimensions</b>	290 x 340 x 145 mm	350 x 450 x 160 mm	350 x 450 x 160 mm	350 x 450 x 160 mm
<b>Weight</b>	5 Kg	6 Kg	6 Kg	7 Kg
<b>Protection rating</b>	IP 65	IP 65	IP 65	IP 65
<b>Power supply (3F+N+T)</b>	400Vac ±10% 50/60 Hz	400Vac ±10% 50/60 Hz	400Vac ±10% 50/60 Hz	400Vac ±10% 50/60 Hz
<b>Load type</b>	Three-phase	Three-phase	Three-phase	Three-phase
<b>Working temperature</b>	-5 - +50°C	-5 - +50°C	-5 - +50°C	-5 - +50°C
<b>Storage temperature</b>	-10 - +70°C	-10 - +70°C	-10 - +70°C	-10 - +70°C
<b>Relative ambient humidity</b>	< 90% RH	< 90% RH	< 90% RH	< 90% RH
<b>Main switch</b>	16 A	32 A	32 A	32 A
<b>Overload protection</b>	Thermal relay	Thermal relay	Thermal relay	Thermal relay
<b>General protection</b>	Magnetothermic device	Magnetothermic device	Magnetothermic device	Magnetothermic device
<b>Control</b>	PEGO	PEGO	PEGO	PEGO
<b>Defrosting</b>	Electrical	Electrical	Electrical	Electrical
<b>Insulation transformer</b>		Present	Present	Present
<b>Items status indicators</b>	LED + Display	LED + Display	LED + Display	LED + Display
<b>Alarm signals</b>	LED + Buzzer	LED + Buzzer	LED + Buzzer	LED + Buzzer
<b>Inputs</b>				
Ambient probe	NTC	NTC	NTC	NTC
Evaporator probe	NTC	NTC	NTC	NTC
Door switch	Present	Present	Present	Present
Oil differential pressure switch				Present
High/low pressure switch	Present	Present	Present	Present
Kriwan® connection		Present	Present	Present
<b>Outputs</b>				
Compressor	2200 W (0,5-3 HP)	2200-3000 W (3-4 HP)	3000-5500 W (4-7,5 HP)	5500-7500 W (7-10 HP)
Condenser fans output 1	800 W (1 ph)	800 W (1 ph)	800 W (1 ph)	2000 W (1 ph / 3 ph)
Condenser fans output 2 (separated)		total (1 ph)	total (1 ph)	2000 W (1 ph / 3 ph)
Evaporator fans	800 W (1 ph)	2000 W (1 ph)	2000 W (1 ph)	2000 W (1 ph / 3 ph)
Defrosting heaters	4000 W	7500 W	9000 W	12000 W
Room light	Present	Present	Present	Present
Solenoid valve	Present	Present	Present	Present
Compressor oil heater		Present	Present	Present
Alarm relay	100 W	100 W	100 W	100 W
Supervision system	<b>TeleNET</b>	<b>TeleNET</b>	<b>TeleNET</b>	<b>TeleNET</b>

Connection diagrams

