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EW-130.191E

EWCM EO 8900 – EWCM EO 9100 – EWCM EO 9900 AVANCED CONTROLLERS FOR COMPRESSOR ROOMS



AVAILABLES MODELS

MODEL	CODE
EWCM 8900 EO	EM32AG2D0GH00
EWCM 9100 EO	EM32BH2DGH00
EWCM 9900 EO	EM32BH2D0GH00

More fluid adjustment. Systems with inverter compressor with reduced oscillations delays and ON / OFF cycles compressor stages

Floating condensation with external temperature probe and probe liquid return from the condenser.

Setpoint modulated suction temperature probe at point of sale

Digital input configurable for reduced activation and modulated suction setpoint and impulsion.

Digital Systems "combined" and drive, even in case of failure of the drive (ghost Compressor)

Module Management Electronic Expansion plug & play: V800 for sub-cooling liquid

V910 for CO₂ exchanger plates

New configurable controller, including alarms for some typical functions like:

Oil heating or cooling, with possibility of injecting cold gas on the heads, in environments with particularly harsh working temperatures

Electric panel cooling with panel temperature probe;

Supercooling of discharge gas by a pulse or step-by-step electronic expansion valve

Modulated pump management and flow switch diagnostics for units on plants with indirect expansion and with secondary fluids (e.g. glycol);

Local/remote switching off of the machine, showing its status on the display

Device Manager for con. guration by serial line or Copy Card USB with selection of languages for software and extended management of model languages (e.g. Cyrillic script)

Compatible with Drivers Televis**Compact** and Televis**GO**




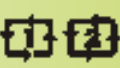








TECHNICAL DATA

	EWCM 8900	EWCM 9100	EWCM 9900
Power supply	100/240V~ ±10% 50/60Hz	100/240V~ ±10% 50/60Hz	100/240V~ ±10% 50/60Hz
Analog inputs	4 NTC/NTC extended /PTC/D.I. 2 (4...20mA / 0...5V / 0...10V)	4 NTC/NTC extended /PTC/D.I. 2 (4...20mA / 0...5V / 0...10V)	4 NTC/NTC extended /PTC/D.I. 3 (4...20mA / 0...5V / 0...10V)
Digital inputs	6 High Voltage (HV) (100...240V)	10 High Voltage (HV) (100...240V) + 4 Low Voltage (LV)	14 High Voltage (HV) (100...240V) + 6 Low Voltage (LV)
Analog outputs	2 (0...10V/4...20mA)	2 (0...10V/4...20mA)	3 (0...10V/4...20mA)
Digital outputs	6 SPST 5(2)A 250V 1 SPDT 8(3)A 250V (alarm)	11 SPST 5(2)A 250V 1 SPDT 8(3)A 250V (alarm)	17 SPST 5(2)A 250V 2 SPDT 8(3)A 250V

TECHNICAL DATA

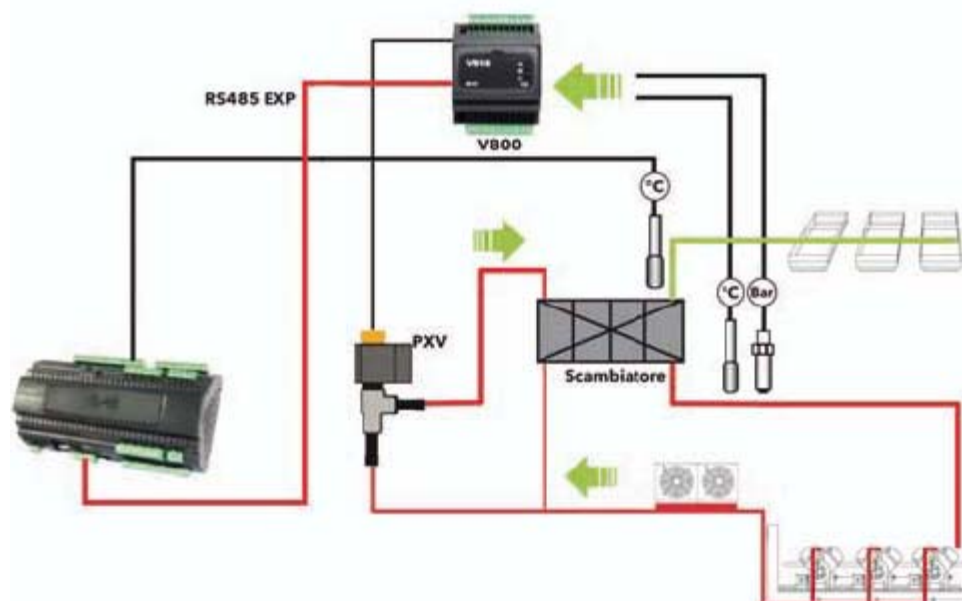
	EWCM 8900	EWCM 9100	EWCM 9900
Control Inverter	en aspiración y en impulsión	en aspiración y en impulsión	en aspiración y en impulsión
Connections	Port TTL : CopyCard USB RS-485 para ModBus and TelevisSystem RS-485 EXP for driver V800/V910	Port TTL : CopyCard USB RS-485 para ModBus and TelevisSystem RS-485 EXP for driver V800/V910	Port TTL : CopyCard USB RS-485 para ModBus and TelevisSystem RS-485 EXP for driver V800/V910
Dimensions	227,5 x 110 x 60 mm	227,5 x 110 x 60 mm	227,5 x 110 x 60 mm
Dimensions keyboard	138 x 68 mm	138 x 68 mm	138 x 68 mm

QUICK SELECTION EWCM EO

	INVERTER	COMP/FAN	CIRCUITS	
				EWCM EO 18 DIN-Rail (9900) Step compressors and/or inverter compressor and condensing unit up to 8 step fans or inverter fan.
				EWCM EO 13 DIN-Rail (9100) Step compressors and/or inverter compressor and condensing unit with step fans or inverter fan.
				EWCM EO 13 DIN-Rail (8900) Step compressors and/or inverter compressor and condensing unit with step fans or inverter fan.

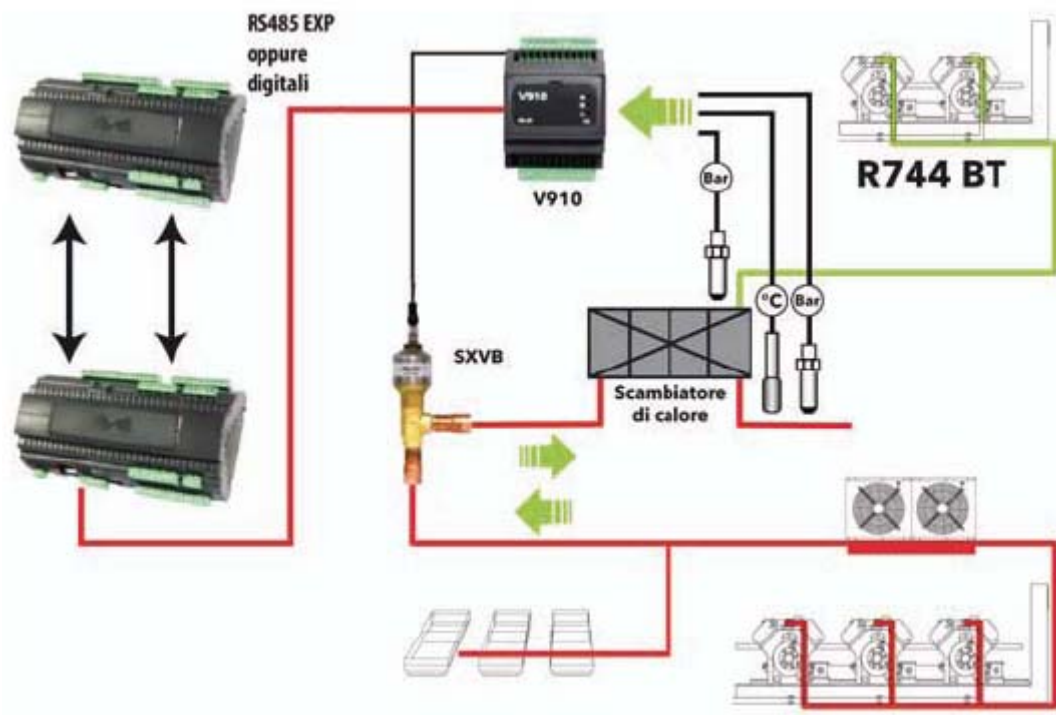
EWCM DIN Rail

EWCM EO 13 and 18 DIN Rail controllers have been designed for the most complex and evolved plant solutions, offering solutions for LT and NT direct expansion units and for uni. ed units with dual temperature and single condensation. However it is also suitable for managing plants with indirect expansion and with secondary fluids.



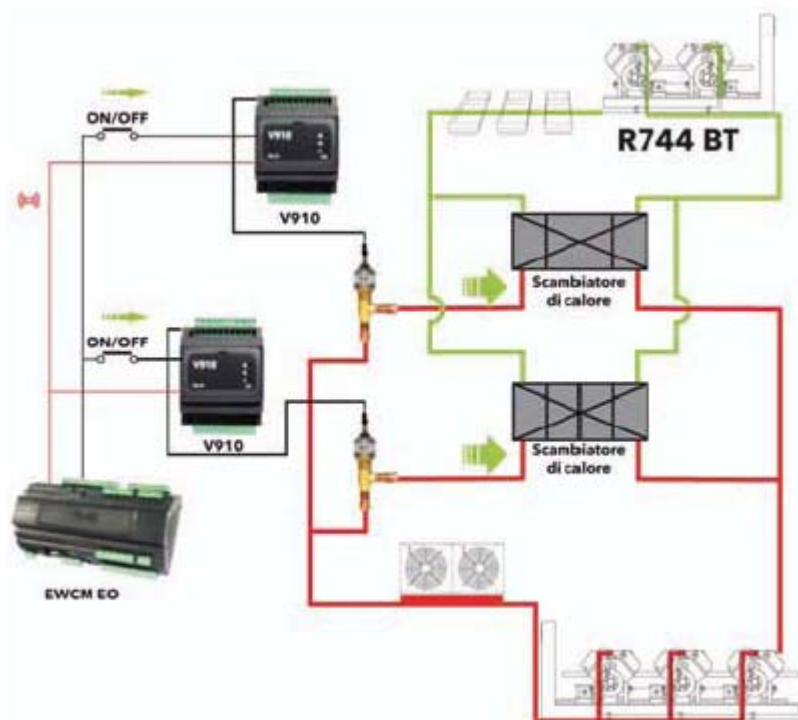
Example 1:

EO EWCM with control sub-cooling liquid floating.



Example 2:

EO EWCM Cascade control AT / BT and exchanger plates.



Example 3:

EO EWCM Cascade control AT / BT and double exchanger plates.

»Extensive range of coolants

- R22 • R717 (NH₃) • R134A • R410A • R502 • R417A
- R404A • R744 (CO₂) • R407C • R402A • R507 • R402B
- R290 • R427 • R600a

WIRING DIAGRAM

