EVJ 800 series

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HARD

EN ENGLISH

SELECT CYCLE

methacrylate panel (according to the model).

Incorporated clock (according to the model). Cabinet probe and needle probe (PTC/NTC).

front

front

1 MEASUREMENTS AND INSTALLATION | Meas

1.1 Models in plastic container for front installation

Front installation on a plastic or metal panel (with elastic holding flaps)

Compressor relay 30 A res. @ 250 VAC.

Power supply 115... 230 VAC.

Door switch input.

Alarm buzzer.

Available models

Purchasing codes

EVJ805P9VX3

EVJ815P9VX3XXV

N.B.

flap for plastic panel

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Front installation on a plastic or metal panel or installed from behind a glass or

Incorporated BLE connectivity for EVconnect app (according to the model).

features

clock,

BLE connectivity

The thickness of a metal panel must be between 0.8 and 1.5 mm (1/32 and 1/16 in), while that for a plastic panel must be between 0.8 and 3.4 mm (1/32 and 1/8 in).

TTL MODBUS slave port for programming key, EVconnect app or BMS.

Installation mode Incorporated

Controllers for blast chillers



1 TTL MODBUS slave port for programming

key, EVconnect app or BMS

INSTALLATION PRECAUTIONS

- Ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFICATIONS section.
- Do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations or shocks.
- In compliance with safety regulations, the device must be installed properly to ensure adequate protection from contact with electrical parts. All protective parts must be fixed in such a way as to need the aid of a tool to remove them

2 ELECTRICAL CONNECTION

PLEASE READ

CAREFULLY

CONSIDER THE ENVIRONMENT

Power supply Analogue inputs

115... 230 VAC 2 for PTC/NTC

2 for PTC/NTC

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6.4

115... 230 VAC

surements in mm (inches)

2.8 in

N.B. Use cables of an adequate section for the current running through them. To reduce any electromagnetic interference connect the power cables as far away as possible from the signal cables



othor inputs	input configurable for analogue input (durinary probe) of				
	digital input (multi-purpose input)				
Digital outputs	5 with electro-mechanical relay				
Relay K1 Relay K2		SPST, 30 A res. @ 250 VAC			
		SPDT, 8 A res. @ 250 VAC			
Relay K3		SPST, 8 A res. @ 250 VAC			
Relay K4		SPST, 5 A res. @ 250 VAC			
Relay K5		SPST, 5 A res. @ 250 VAC			
The device guarantees double	insulation betw	een each digital output connector and the rest			
of the components of the devic	e				
Type 1 or Type 2 Actions		Type 1			
Additional features of Type 1 or Type 2		с			
actions					
Displays		2.8 inch colour graphic display			
Alarm buzzer		Incorporated			
Incorporated sensors:		Bluetooth Low Energy (available in			
		EVJ815P9VX3XXV)			

Communications ports



In model EVJ815P9VX3XXV the EVlink BLE module is incorporated

PRECAUTIONS FOR ELECTRICAL CONNECTION

If using an electrical or pneumatic screwdriver, adjust the tightening torque If the device has been moved from a cold to a warm place, the humidity may have caused condensation to form inside. Wait about an hour before switching on the power.

power supply (115... 230 VAC

- Make sure that the supply voltage, electrical frequency and power are within the set limits. See the section TECHNICAL SPECIFICATIONS.
- Disconnect the power supply before doing any type of maintenance
- Do not use the device as safety device. For repairs and for further information, contact the EVCO sales network

3 USE Consult the installer manual (code 144J800E104).

4 TECHNICAL SPECIFICATIONS

Purpose of the	control device			hller	
	f the control dev	vice	Built-in electronic device		
Container			Black self-extinguishing		
Category of he	at and fire resis	tance			
Measurements			111.4 x 76.4 x 48.0 mm (4 3/8 x 3 x 1 15/16 in)		
Mounting methods for the control device		according to the model, front installation on a plastic or metal panel (with elastic holding flaps) or installed from behind a glass or methacrylate panel (with biadhesive) customizing the keys on the front of the unit			
Degree of p covering	gree of protection provided by the rering		IP65 (front), on condition the device is fitted to a metal panel with thickness 0.8 mm (1/32 in)		
Connection me	thod				
Fixed screw te	erminal blocks f	or wires up to	Pico-Blade con	nector	
2.5 mm ² (ren	novable screw t	erminal blocks			
for wires up to	2,5 mm ² by red	quest)			
Maximum pern	nitted length for	connection cabl	es		
Power supply: 10 m (32.8 ft)			Analogue inputs: 10 m (32.8 ft)		
Digital inputs: 10 m (32.8 ft)			Digital outputs: 10 m (32.8 ft)		
Operating temperature		From -5 to 55 °C (from 23 to 131 °F)			
Storage temperature		From -25 to 70 °C (from -13 to 158 °F)			
Operating hum	nidity		Relative humidity without condensate from		
			10 to 90%		
Pollution statu	s of the control of	device	2		
Conformity					
RoHS 2011/65	/CE	WEEE 2012/19	9/EU	REACH (EC) Regulation 1907/2006	
EMC 2014/30/	EMC 2014/30/UE Power supply		LVD 2014/35/L	JE	
Power supply			115 230 VAC (+10% -15%), 50/60 Hz (±3 Hz), max, 6 VA insulated		
Earthing methe	ods for the contr	ol device	None		
Rated impulse	withstand volta	ne	2.5 KV		
Over-voltage o	ategory	<u> </u>	11		
Software class	and structure		A		
Clock		Incorporated secondary lithium battery (clock			
Clock drift			< 60 s/month at 25 °C (77 °F)		
	autonomy in th	a absence of a	$> 24 \text{ h at } 25 ^{\circ}\text{C} (77 ^{\circ}\text{F})$		
	autonomy in th	e absence or a	> 24 11 dt 25 1	S (// F)	
Clock battery charging time		24 h (the battery is charged by the power			
Analogue	ta		2 for PTC or NTC probes (cabinet probe and		
Analogue inputs		needle probe)			
DTC probas	Concor tuno		KTY 81-121 (990 0 @ 25 °C 77 °F)		
FIC probes	Measurement f	iold	From -50 to 150 °C (from -58 to 302 °F)		
	Resolution		0.1 °C (1 °F)		
NTC probes	Resolution Sensor type Measurement field		β3435 (10 K Ω @ 25 °C. 77 °F)		
ivic probes			From -40 to 105 °C (from -40 to 221 °F)		
	Resolution		0.1 °C (1 °F)		
Digital inputs	Resolution		1 dry contact (door switch)	
Dry contact Contact type Power supply Protection		Contact type		5 VDC 2 mA	
			None		
		Protection		None	

Installed from behind a glass or methacrylate panel (with biadhesive) customizing the keys or the front of the unit.

 N.B. The thickness of a glass panel must be between 2.0 and 4.0 mm (1/16 and 1/8 in), while that for a methacrylate panel must be between 2.0 and 3,0 mm (1/16 e 1/8 in) The panel and the material used to make screen printing must not contain conductive substances Keep the device and the panel at a temperature between 15 and 38 °C (59 and 100 °F) about an hour before the installation Before the installation clean the panel surface in contact with the biadhesive carefully, making sure the product used to clean is suitable for the panel material (we recommend using isopropyl alcohol, hydrocarbon solvent in case of greasy surfaces); keep cleaning with a cloth as long as it results clean and dry after the use During the installation, exert a uniform and constant pressure about 30 s on the panel surface in contact with the biadhesive; later keep the device and the panel horizontally about 48 h at a temperature between 15 and 38 °C (59 and 100 °F). 			
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			'

1.2 Models in plastic container installed from behind

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- 48.5 (1 15/16) → -111.4 (4 3/8)-





For EVJ815P9VX3XXV According to European R&TTE Declaration of Conformity this device can be used in the following Countries: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Norway, Poland Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, The Netherlands and The United Kingdom.

N.B. X

The device must be disposed of according to local regulations governing the collection of electrical and electronic waste.

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