



**PLEASE READ CAREFULLY**  
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**CONSIDER THE ENVIRONMENT**

**EN ENGLISH**

- Front installation on a plastic or metal panel or installed from behind a glass or methacrylate panel (according to the model).
- Power supply 115... 230 VAC.
- Cabinet probe and needle probe (PTC/NTC).
- Door switch input.
- Compressor relay 30 A res. @ 250 VAC.
- Models with sealed relays compliant with the standard EN 60079-15.
- Alarm buzzer.
- TTL MODBUS slave port for programming key, EVconnect app, EPoCA remote monitoring system or for BMS.

**Available models**

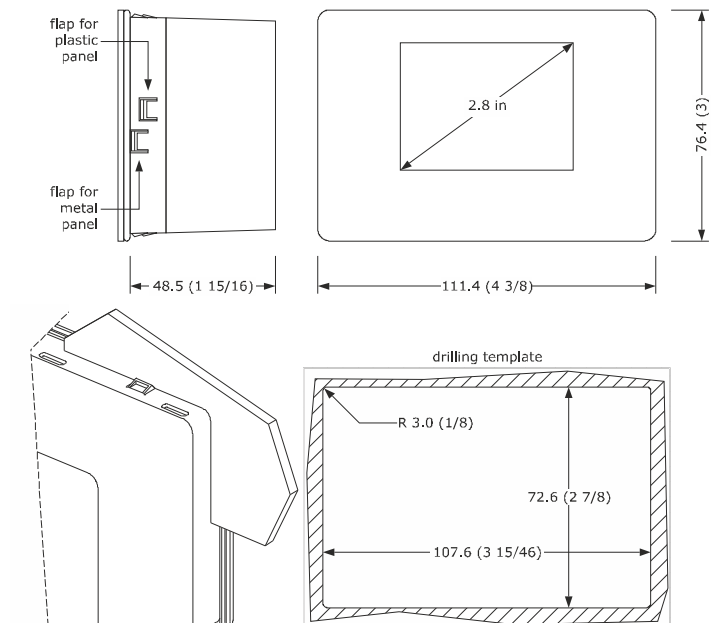
Purchasing codes	Installation mode	Incorporated features	Power supply	Analogue inputs
EVJ795N9VX3	front	-	115... 230 VAC	2 for PTC/NTC
EVJ795N9VXC	front	sealed relays compliant with the standard EN 60079-15	115... 230 VAC	2 for PTC/NTC

**1 MEASUREMENTS AND INSTALLATION | Measurements in mm (inches)**

**1.1 Models in plastic container for front installation**

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

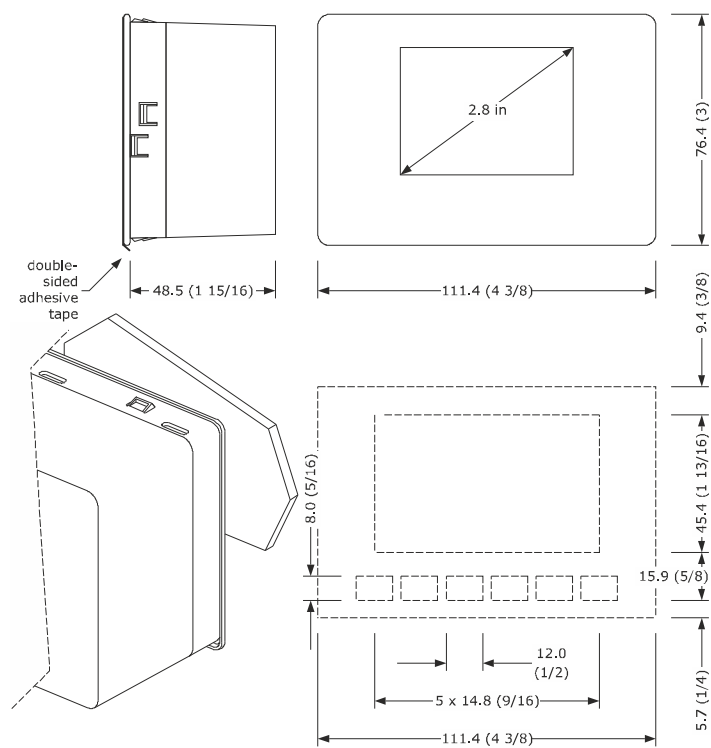
**N.B.**  
The thickness of a metal panel must be between 0.8 and 1.5 mm (1/32 and 1/16 in), while that for a plastic panel must be between 0.8 and 3.4 mm (1/32 and 1/8 in).



**1.2 Models in plastic container installed from behind**

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

**N.B.**  
- The maximum thickness of a glass panel must be 4.0 mm (3/16 in), while that for a methacrylate panel must be 2.0 mm (1/16)  
- 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).

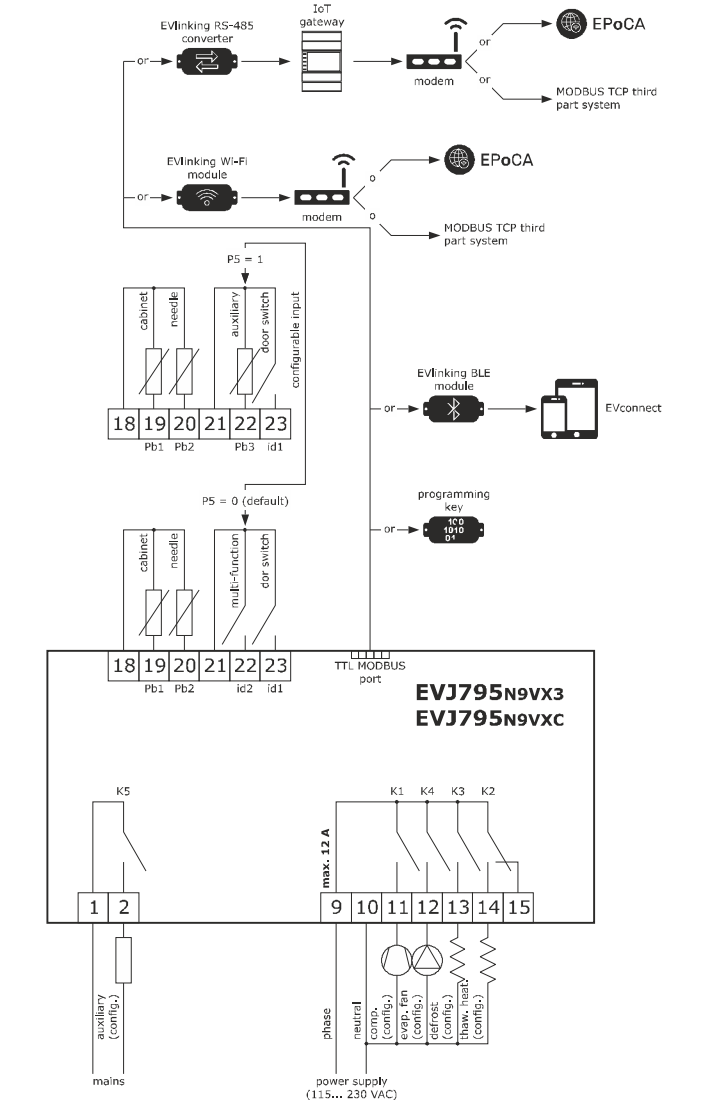


**INSTALLATION PRECAUTIONS**

- 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**

**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.



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.
- 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 144J795Exx4).

**4 TECHNICAL SPECIFICATIONS**

Purpose of the control device	Function controller
Construction of the control device	Built-in electronic device
Container	Black, self-extinguishing
Category of heat and fire resistance	D
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 protection provided by the covering	IP65 (front), on condition the device is fitted to a metal panel with thickness 0.8 mm (1/32 in)
Connection method	Pico-Blade connector
Fixed screw terminal blocks for wires up to 2.5 mm <sup>2</sup> (removable screw terminal blocks for wires up to 2.5 mm <sup>2</sup> by request)	
Maximum permitted length for connection cables	
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 humidity	Relative humidity without condensate from 10 to 90%
Pollution status of the control device	2
Conformity	
RoHS 2011/65/CE	WEEE 2012/19/EU
REACH (EC) Regulation 1907/2006	LVD 2014/35/UE
Power supply	115... 230 VAC (+10% -15%), 50/60 Hz (±3 Hz), max. 6 VA insulated
Earthing methods for the control device	None
Rated impulse-withstand voltage	2.5 KV
Over-voltage category	II
Software class and structure	A
Analogue inputs	2 for PTC or NTC probes (cabinet probe and needle probe)
PTC probes	
Sensor type	KTY 81-121 (990 Ω @ 25 °C, 77 °F)
Measurement field	From -50 to 150 °C (from -58 to 302 °F)
Resolution	0.1 °C (1 °F)
NTC probes	
Sensor type	B3435 (10 K·Ω @ 25 °C, 77 °F)
Measurement field	From -40 to 105 °C (from -40 to 221 °F)
Resolution	0.1 °C (1 °F)
Digital inputs	1 dry contact (door switch)

Dry contact	Contact type	5 VDC, 2 mA
	Power supply	None
	Protection	None
Other inputs	Input configurable for analogue input (auxiliary probe) or digital input (multi-purpose input)	
Digital outputs	5 with electro-mechanical relay	
Relay K1		SPST, 30 A res. @ 250 VAC
Relay K2		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 between each digital output connector and the rest of the components of the device.		
Type 1 or Type 2 Actions	Type 1	
Additional features of Type 1 or Type 2 actions	C	
Displays		2.8 inch colour graphic display
Alarm buzzer		Incorporated
Communications ports		1 TTL MODBUS slave port for programming key, EVconnect app, EPoCA remote monitoring system or for BMS

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

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