





- user interface for front installation on a plastic or metal panel or installation 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
- sealed relays compliant with the standard EN 60079-15
- management of 0-10 V fans
- TTL MODBUS slave port for programming key, EVconnect app, EPoCA remote monitoring system or for BMS

Available models

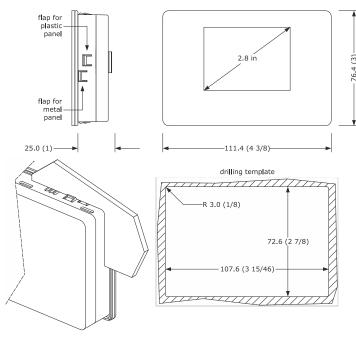
Purchasing code	User interface installation mode
EVJS824P9	front installation
EVJS824P9EG	installation from behind

MEASUREMENTS AND INSTALLATION | Measurements in mm (inches)

1.1 Models with user interface for front installation Front installation on a plastic or metal panel or installation (with elastic holding flaps).



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)



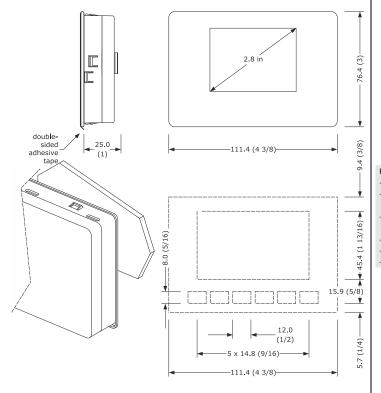
1.2 Models with user interface for installation from behind

Installation from behind a glass or methacrylate panel (with biadhesive) customizing the keys

- 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 $^{\circ}\text{C}$ (59 and 100 °F) about an hour before the installation

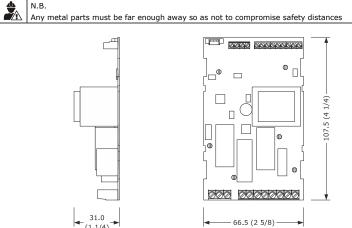


- Before the installation clean the panel surface in contact with the biadhesive carefully, making sure the product used to clean is suitable for the panel material (we recommend using isopropyl alcohol, hydrocarbon solvent in case of greasy surfaces); keep cleaning with a cloth as long as it results 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)



Control module

To be installed on an electrical panel, on plastic spacers (not provided).



INSTALLATION PRECAUTIONS

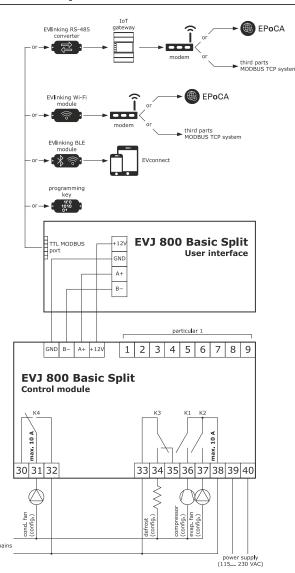
Ensure that the working conditions are within the limits stated in the $\it TECHNICAL$ SPECIFICATIONS section

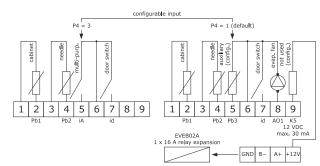
Do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations

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

ELECTRICAL CONNECTION

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





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 $\label{eq:make_sure_that} \mbox{Make sure that the supply voltage, electrical frequency and power are within the set}$ 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

Consult the installer manual (code 144J800BSE104).

Purpose of the	control device		Function contr	roller	
Construction of		rice	Built-in electro		
Housing			,		
user interface:	black, self-extir	nguishing	control module	e: open frame board	
Category of hea	at and fire resis	tance	D		
Measurements					
		4 x 25.0 mm		e: 66.5 x 107.5 x 31.0 mm	
(4 3/8 x 3 x 1 i	•		5/8 x 4 1/4 x :	1 1/4 in)	
Mounting meth					
	_	he model, front etal panel (with		e: to be installed on an elect plastic spacers (not provided)	
	•	ed from behind	cui punci, on p	nastic spacers (not provided)	
a glass or m	ethacrylate par	nel (with biad-			
-	izing the keys	on the front of			
the unit					
		by the covering		****	
		on condition the	control module	e: IP00	
0.8 mm (1/32 i		el with thickness			
Connection met			ı		
user interface:			control module	:	
	v terminal bloc	ks for wires up		- fixed screw terminal blocks for wires up	
to 2.5 mm ²			2.5 mm ²		
- Pico-Blade co					
		connection cable	es		
user-interface-		10 m (32.8 ft)	analogue innu	ts: 10 m (32.8 ft)	
power supply: 1 digital inputs: 1				:: 10 m (32.8 ft)	
Operating temp				C (from 32 to 140 °F)	
Storage temper) °C (from -13 to 158 °F)	
Operating hum	dity			dity without condensate fro	
			10 to 90%		
	of the control of	device	2		
Compliance		I		T	
RoHS 2011/65/	EC	WEEE 2012/19)/EU	REACH (EC) Regulation n 1907/2006	
EMC 2014/30/E	:U		LVD 2014/35/	•	
Power supply	-		,,		
	powered by th	ne control mod-	control modu	le: 115 230 VAC (+10	
ule			-15%), 50/60 Hz (±3 Hz), max. 3,2 VA is		
			lated		
Earthing metho			none		
Rated impulse-		ge	4 KV		
Over-voltage ca			III		
Software class			A A DTC and	UTC number (selimet number o	
Analogue input	5		needle probe)	NTC probes (cabinet probe a	
PTC probes	Sensor type			990 Ω @ 25 °C, 77 °F)	
	Measurement	field		50 °C (from -58 to 302 °F)	
	Resolution		0.1 °C (1 °F)	,	
	6		β3435 (10 K□	Ω @ 25 °C, 77 °F)	
NTC probes	Sensor type				
NTC probes	Measurement	field		05 °C (from -40 to 221 °F)	
NTC probes		field	From -40 to 10 0.1 °C (1 °F)		
Digital inputs	Measurement	field	From -40 to 10 0.1 °C (1 °F) 1 dry contact	(door switch)	
Digital inputs	Measurement	field	From -40 to 10 0.1 °C (1 °F) 1 dry contact (Input configur	(door switch) rable for analogue input (aux	
Digital inputs	Measurement	field	From -40 to 10 0.1 °C (1 °F) 1 dry contact (Input configur iary probe) o	(door switch) rable for analogue input (aux	
Digital inputs Other inputs	Measurement		From -40 to 10 0.1 °C (1 °F) 1 dry contact (Input configur	(door switch) able for analogue input (aux or digital input (multi-purpo	
Digital inputs Other inputs	Measurement	Contact type	From -40 to 10 0.1 °C (1 °F) 1 dry contact (Input configur iary probe) o	(door switch) able for analogue input (aux or digital input (multi-purpo	
Digital inputs Other inputs	Measurement	Contact type Power supply	From -40 to 10 0.1 °C (1 °F) 1 dry contact (Input configur iary probe) o	(door switch) able for analogue input (aux or digital input (multi-purpo 5 VDC, 2 mA None	
Digital inputs Other inputs Dry contact	Measurement	Contact type	From -40 to 10 0.1 °C (1 °F) 1 dry contact (Input configur iary probe) o input)	(door switch) Table for analogue input (aux Trigorial input (multi-purpor 5 VDC, 2 mA None None	
Digital inputs Other inputs Dry contact Other inputs	Measurement	Contact type Power supply	From -40 to 10 0.1 °C (1 °F) 1 dry contact Input configur iary probe) o input)	(door switch) able for analogue input (aux or digital input (multi-purpo 5 VDC, 2 mA None	
Digital inputs Other inputs Dry contact	Measurement	Contact type Power supply	From -40 to 10 0.1 °C (1 °F) 1 dry contact Input configur iary probe) o input)	(door switch) able for analogue input (aux or digital input (multi-purpo 5 VDC, 2 mA None None able for analogue input (aux	
Digital inputs Other inputs Dry contact Other inputs	Measurement Resolution	Contact type Power supply	From -40 to 10 0.1 °C (1 °F) 1 dry contact (Input configur iary probe) o input) Input configur iary probe) o	(door switch) able for analogue input (aux or digital input (multi-purpo 5 VDC, 2 mA None None able for analogue input (aux	
Digital inputs Other inputs Dry contact Other inputs	Measurement Resolution Minimum apdance:	Contact type Power supply Protection	From -40 to 10 0.1 °C (1 °F) 1 dry contact Input configur iary probe) of input) Input configur iary probe) of input configur iary probe) of input iary probe) of input)	(door switch) able for analogue input (aux or digital input (multi-purpo 5 VDC, 2 mA None None able for analogue input (aux	
Digital inputs Other inputs Dry contact Other inputs 0-10 V Signal:	Measurement Resolution	Contact type Power supply Protection	From -40 to 10 0.1 °C (1 °F) 1 dry contact (1 Input configuriary probe) of input) Input configuriary probe) of input configuriary probe) of input configuriary probe) of input (1 kΩ) 1 kΩ	(door switch) rable for analogue input (aux or digital input (multi-purpo 5 VDC, 2 mA None None able for analogue input (aux or digital input (multi-purpo	
Digital inputs Other inputs Dry contact Other inputs	Measurement Resolution Minimum apdance:	Contact type Power supply Protection	From -40 to 10 0.1 °C (1 °F) 1 dry contact Input configur iary probe) of input) Input configur iary probe) of input configur iary probe) of input iary probe) of input)	(door switch) able for analogue input (au: or digital input (multi-purpo) 5 VDC, 2 mA None None able for analogue input (au: or digital input (multi-purpo) s. @ 250 VAC	

P4 = 3 P4 = 1 (default) 1
1 2 2 4 5 6 7 9 0 1 2 2 4 5 6 7 9 0
1 2 3 4 3 0 7 8 9 1 2 3 4 3 0 7 8 9
Pb1 Pb2 iA id Pb1 Pb2 Pb3 id AO1 K5
EVEB02A max. 30 mA 1 x 16 A relay expansion
GND B- A+ +12V

Particular 1 —

X

K2 relay

K3 relay

K4 relay

tions

Displays

Other outputs

Alarm buzzer

Type 1 or Type 2 actions

Communications ports

Additional features of Type 1 or Type 2 ac

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

SPST, 5 A res. @ 250 VAC

SPDT, 8 A res. @ 250 VAC

type 1

built-in

SPDT, 16 A res. @ 250 VAC 1 for 12 VDC max. 30 mA

2.8 inch colour graphic display

mote monitoring system or for BMS

1 TTL MODBUS slave port for EVJKEY pro-

gramming key, EVconnect app, EPoCA re-

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