

device for **INDOOR ROOMS**
PLEASE READ CAREFULLY
 and save this document
CONSIDER THE ENVIRONMENT

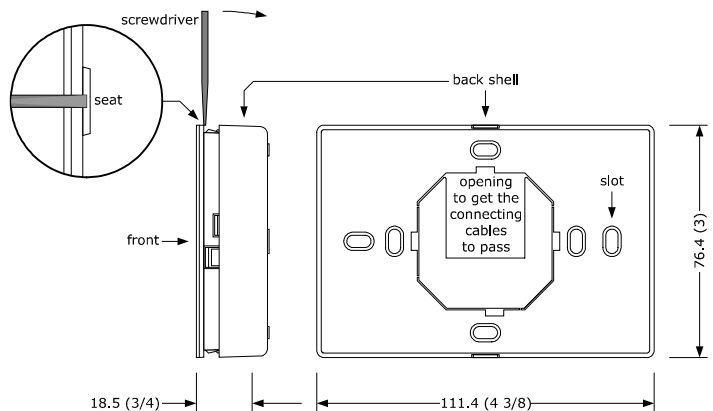
EN ENGLISH

- 12-24 VAC/DC power supply not insulated
- alarm buzzer
- models with incorporated temperature and humidity sensor
- CAN port
- **device for indoor rooms.**

Purchasing code	Incorporated temperature and humidity sensor
EPJD900N3VWCX	no
EPJD920N3VWCX	yes

1 MEASUREMENTS AND INSTALLATION

Measurements in mm (inches).



Wall mounting (with bolts and fastening screws) or in 502E or 503E flush mounting box (with fastening screws).

- Unhook the back shell from the front through a screwdriver and the proper seat.
- In case of wall mounting:
 - Lean the back shell against the wall in a position suitable to get the connecting cable to pass through the proper opening.
 - Use the slots of the back shell as template to drill 4 holes having a diameter suitable to the bolt. 5.0 mm (3/16 in) diameter bolts are suggested.
 - Insert the bolts in the holes drilled in the wall.
 - Fasten the back shell at the wall with 4 screws. Countersunk head screws are suggested.
- In case of 502E or 503E flush mounting box, fasten the back shell at the box with 4 screws. Countersunk head screws are suggested.
- Make the electrical connection as shown in the section **ELECTRICAL CONNECTION** without powering up the device.
- Fasten the front of the device at the back shell.

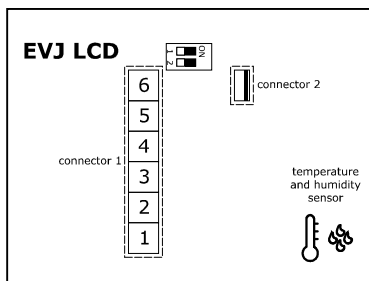
INSTALLATION PRECAUTIONS

- 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 and connect to a CAN network by using a twisted pair. We recommend using a BELDEN 3106A cable

2.1 Connectors and parts



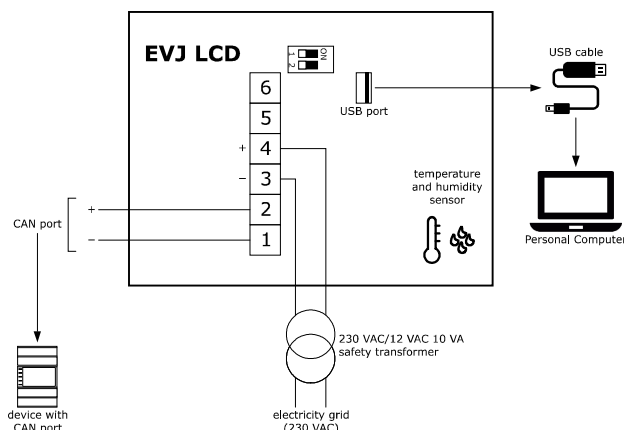
No.	DESCRIPTION
1	reference - CAN port
2	reference + CAN port
3	device power supply (12-24 VAC/DC). If the device is fed by DC power, connect terminal minus
4	device power supply (12-24 VAC/DC). If the device is fed by DC power, connect terminal plus
5	reserved
6	reserved

Connector 2
 USB port.

Temperature and humidity sensor
 Only available in EPJD920N3VWCX.

2.2 Electrical connection

Example of electrical connection.



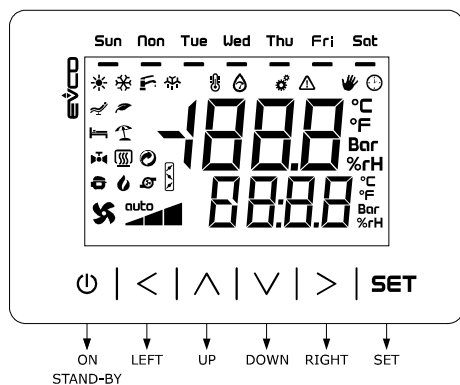
2.3 Pre-setting for the programming

To pre-set the device for the programming, place micro-switch 1 in position ON. The micro-switch is at the back of the device.

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; possible returns without back shell will not be accepted.

3 USER INTERFACE



3.1 Device configuration

N.B.
 Turn off the power after changing the configuration.

Accessing the procedure.

- Touch the DOWN key for 6 s.
 The display will show:
 Upper line **Can**
 Lower line **Stat**

Showing the CAN address of the device.

- Touch the DOWN key.
 The display will show:
 Upper line **Loc**
 Lower line CAN address of the device (1... 127).

Showing the device status.

- Touch the DOWN key.
 The display will show:
 Upper line **Loc**
 Lower line device status (OK... Err).

Setting the CAN address of a device in the network.

- Touch the UP or DOWN key to select a node.
 The display will show:
 Upper line node (n1... n32)
 Lower line CAN address of the device (1... 127).
- Touch the SET key.
 The display will show:
 Upper line node (n1... n32)
 Lower line CAN address of the device flashing (1... 127).
- Touch the UP or DOWN key to set the value.
- Touch the SET key.

Showing the status of a device in the network.

- Touch the UP or DOWN key to select a node.
 The display will show:
 Upper line node (n1... n32)
 Lower line device status (OK... Err).

Accessing the menu.

- Touch the SET key.
 The display will show:
 Upper line **spenta**
 Lower line **EPJD**
- Touch the UP or DOWN key to select a menu.
 The display will show:
 Upper line **Menu**
 Lower line menu name (PAr, nEt, diAG, InFo, IO or ConF).
- Touch the SET key.

Setting configuration parameters of menu "PAr".

- Touch the UP or DOWN key to select a parameter.
- Touch the DOWN key.
- Touch the SET key.
 The display will show:
 Upper line the parameter

	Lower line	the parameter value
10a.		Touch the UP or DOWN key to set the value.
11a.		Touch the SET key.
Setting configuration parameters of menu "nEt".		
7b.		Touch the SET key.
The display will show:		
	Upper line	PU 6
	Lower line	0
8b.		Touch the SET key again.
The display will show:		
	Upper line	PU 6
	Lower line	a value flashing
9b.		Touch the UP or DOWN key to set "-19".
10b.		Touch the SET key.
The display will show:		
	Upper line	Can
	Lower line	nEt
11b.		Touch the UP or DOWN key to select a parameter.
The display will show:		
	Upper line	the parameter
	Lower line	the parameter value
12b.		Touch the SET key.
The display will show:		
	Upper line	the parameter
	Lower line	the parameter value flashing
13b.		Touch the UP or DOWN key to set the value.
14b.		Touch the SET key.
Returning to the previous displays.		
15.		Touch the ON/STAND-BY key a few times.

4 CONFIGURATION PARAMETERS

N.	PAR.	DEF.	"PAR" MENU	MIN... MAX.
1	Bkl VAl	15	backlight intensity	0... 100 15 uneditable in EPJD920N3VWCX
2	Bkl timE	30	backlight timeout	0... 241 s 241 = always lit 30 uneditable in EPJD920N3VWCX
3	BLE Acti	-	reserved	-
4	IO tOut	60	remote I/O disable delay from lack of CAN communication	0... 100 s
5	BuZ KEY	nO	enable buzzer touching the keys	nO YES
6	PSV tOut	240	password timeout	10... 240 s
7	tOu rEFr	0	pages refresh timeout	0... 100 s
8	PpD tX1	YES	enable compatibility with c-pro series	nO YES
9	Frc	nO	system forced to CAN communication	nO (all) neW (new system) Old (old system)
"nEt > CAN" MENU				
10	nod	99	CAN address	1... 127
11	MSt	YES	enable operation as master	nO YES
12	BAu	20K	CAN baud rate	20K 50K 125K 500K Auto
13	tOu	60	exclusion of a CAN network device delayed from lack of communication	0... 240 s
14	ntn	1	logic node	1... 32
15	nnd	1	physical node linked to the logic node	0... 127
"morE" SUBMENU (READ ONLY)				
16	nrH	-	number of received packages	0... 9999
17	nTH	-	number of transmitted packages	0... 9999
18	nOu	-	number of intercepted overflow	0... 9999
19	nPa	-	number of intercepted passive	0... 9999
20	bOF	-	number of intercepted bus off	0... 9999
21	rOY	-	number receipts ok	0... 9999
21	tOY	-	number of transmissions ok	0... 9999
23	tEr	-	number of transmissions in error	0... 9999
24	rEr	-	number of receipts in error	0... 9999
25	StF	-	number stuff errors	0... 9999
26	Frm	-	number form errors	0... 9999
27	AcK	-	number ack errors	0... 9999
28	Bt1	-	number bit1 errors	0... 9999
29	Bt0	-	number bit0 errors	0... 9999
30	CrC	-	number CRC errors	0... 9999
"bit timing" SUBMENU (READ ONLY)				
31	tim	-	reserved	-
32	BrP	-	reserved	-
33	SJW	-	reserved	-
34	tS1	-	reserved	-
35	tS2	-	reserved	-
"nEt > bLE" MENU (RESERVED)				
36	BAu	-	reserved	-
37	StB	-	reserved	-
38	Pty	-	reserved	-
39	nrX	-	reserved	-
40	ntX	-	reserved	-
41	PrTY	-	reserved	-
"diAG" MENU (READ ONLY)				
42	E2	-	EEPROM memory status	OK... Err
"InFo" MENU (READ ONLY)				
43	VEr	-	firmware version	-
44	rEv	-	firmware revision	-
45	Sub	-	firmware subversion	-
46	PrJ	-	project number	-
47	VAr	-	reserved	-

5 TECHNICAL SPECIFICATIONS

Purpose of the control device:	Function controller.
Construction of the control device:	Built-in electronic device.
Container:	White, self-extinguishing.
Category of heat and fire resistance:	D.

