



 \square

37

 \bigcirc

6 7 8 9 10

1 2 3 4 5

analog

analog

6 7 8 9 10

1 2 3 4

out out

(115... 230 VAC)

DO2 digita DO1 digita

5

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 $0 \odot$

<u>]</u>[🗞

76.4 (3)



EVCO S.p.A. | EPJ LCD | Instruction sheet ver. 3.0 | Code 104PJLCDE303 | Page 1 of 2 | PT 18/18

Wall mounting in the most common flush mounting boxes (with fastening screws).

- Unhook the back shell from the front through a screwdriver and the proper seat. 1
- 2. 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 with-3. out powering up the device.
- Fasten the front of the device at the back shell. 4.





CAN+ 2

CAN- 1

nperature (Al humidity (Al sensor

ال ال

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 label data will not be accepted.



3.1 Device configuration

Ö ₀	N.B. Turn off the power	after changing the configuration.
	ram on the porter	
Accessi	ng the procedure.	
1.		Touch the DOWN key for 6 s.
	The display will she	Na/-
	Upper line	Can
	Lower line	StAt
		1
Showin	g the CAN address o	f the device.
2.		Touch the DOWN key.
	The display will sho	
	Upper line	Loc
	Lower line	CAN address of the device (0 127).
Showin	g the device status.	1
3.	\sim	Touch the DOWN key.
	The display will sho)w/·
	Upper line	Loc
	Lower line	device status (OK Err).
Setting	the CAN address of	a device in the network. I
4.	• أ	Touch the UP or DOWN key to select a node.
	The display will sho	I DW:
	Upper line	node (n1 n32)
	Lower line	CAN address of the device (0 127).
5.	І сет І	Touch the SET key.
		···· · · · · · · · · · · · · · · · · ·
	Upper line	w: node (n1 n32)
	Lower line	CAN address of the device flashing (1., 127).
0.		
7.	SET	Touch the SET key.
	• •	
Showin	g the status of a dev	rice in the network.
5		Touch the LIP or DOWN key to select a node
J.		Toden the of of Down key to select a node.
	The display will sho	
	Upper line	node (n1 n32)
	Lower line	
Accessi	ng the menu.	
4	I set I	Touch the SET key when the upper line shows $"\ensuremath{\text{Loc}}"$ and the
		lower one shows "OK".
	The display will sho	W:
	Lower line	EPJD
5.		I OUCN THE UP OF DOWN KEY to select a menu.
	The display will sho	W:
	Upper line	Menu
	Lower line	menu name (PAr, nEt, diAG, InFo, IO or ConF).
6.	SET	Touch the SET key.
	1	I
Setting	the password.	
7.	I set I	Touch the SET key.
	The display will sho	
	Lower line	0
8.		I ouch the SET key.
	The display will sho	
	Upper line	PU6
	Lower line	the parameter value flashing
9.		Touch the UP or DOWN key to set "-19".

13b.	f	\checkmark	ڊ ،	Touch the UP or DOWN key to set	the value.				
14b.		SET		Touch the SET key.					
l	-		•						
Returnii	ng to	the pre	vious di	splays.					
16.		\bigcirc	I	Touch the ON/STAND-BY key a few	w times.				
4	CON	FIGUR/	ATION	PARAMETERS					
	N	DAD	DEE	"DAr" MENII					
	1	Bkl	15	backlight intensity	0 100				
		VAI			fixed value 15 in the models				
					and humidity sensor				
	2	Bkl timF	30	backlight timeout	0 255 s fixed value 30 in the models				
		time			with incorporated temperature				
	3	bKI	tiME	backlight mode	and humidity sensor off = off				
		Mode	-	J	on = on (not used in the				
					models with incorpo- rated temperature and				
					humidity sensor)				
*	4	BLE	-	reserved					
	5	Acti	60	romata 1/0 disable delay from	0 100 c				
	5	tOut	80	lack of CAN communication	0 100 S				
	6	BuZ KEY	nO	enable buzzer touching the keys	nO YES				
	7	PSV	240	password timeout	10 240 s				
	8	tOut tOu	0	pages refresh timeout	0 100 s				
		rEFr							
	9	PPd tX1	YES	enable compatibility with c-pro series	nO YES				
	10	Frc	nO	system forced to CAN communi-	nO (all)				
					Old (old system)				
	N.	PAR.	DEF.	"nEt > CAN" MENU	MIN MAX.				
	12	MSt	YES	enable operation as master	nO				
	13	BAU	Auto	CAN baud rate	YES 50K				
		D/ IG	/ late		125K 500K				
	14	tOu	60	exclusion of a CAN network de-	Auto 0 240 s				
				vice delayed from lack of com-					
	15	ntn	1	logic node	1 32				
	16	nnd	1	physical node linked to the logic	0 127				
	17	MorE	-	reserved	-				
ld	N.	PAR.	DEF.	"MorE" SUBMENU (READ ONLY)	MIN MAX.				
_	19	ntH	-	number of transmitted packages	0 9999				
	20 21	nOu Npa	-	number of intercepted overflow number of intercepted passive	0 9999				
	22	bOF	-	number of intercepted bus off	0 9999				
	23 24	rOY tOY	-	number receipts ok number of transmissions ok	0 9999				
	25	tEr	-	number of transmissions in error	0 9999				
	26 27	rEr StF	-	number of receipts in error number stuff errors	0 9999				
	28	Frm	-	number form errors	0 9999				
	29 30	ACK Bt1	-	number ack errors number bit1 errors	0 9999				
	31	Bt0	-	number bit0 errors	0 9999				
	33	Mor	-	riservato	-				
	N.	Bt in PAR	DEF.	"Bit timing" SUBMENU (RFAD	MIN MAX.				
				ONLY)					
×	34 35	BrP SJW	-	reserved	-				
	36	tS1	-	reserved	-				
	37 N.	PAR.	DEF.	"nEt > bLE" MENU (RESERVED)	- MIN MAX.				
	38	BAu	-	reserved	-				
4	39 40	Pty	-	reserved	-				
	41	nrX	-	reserved	-				
	43	nEr	-	reserved	-				
2	N.	PAR.	DEF.	"diAG" MENU (READ ONLY)	MIN MAX.				
	чч N.	PAR.	DEF.	"InFo" MENU (READ ONLY)	MIN MAX.				
	45	VEr	-	firmware version	-				
0	47	Sub	-	firmware subversion	-				
\sim	48	FVv	-	firmware version	-				
	50	PrJ	-	project number	-				
	51 N	VAr	- DEE	roject variation	- MIN MAX				
	52	AI1	-	AI1 analog input reading	-				
	53 54	AI2 AI3	-	AI2 analog input reading incorporated sensor temperature	-				
	1	1	I		1				

Maximum pern	nitted length for	connection cable	es:				
Power supply:		Analogue inpu	ts: 10 m	(32.8 ft)			
Digital outputs: 10 m (32.8 ft)			Analogue inputs: 10 m (32.8 ft) CAN port: - 1,000 m (3,280 ft) with baud rate 20.00 baud - 500 m (1,640 ft) with baud rate 50.00 baud - 250 m (820 ft) with baud rate 125.00 baud - 50 m (164 ft) with baud rate 500.00 baud				
			Daud. Over 10 m (3)	2 8 ft) us	e a shielded cable		
Operating tem	perature:		From 0 to 40	C (from	32 to 104 °F).		
Storage tempe	rature:		From -20 to 70 °C (from -4 to 158 °F).				
Operating hum	idity:		Relative humidity without condensate				
Pollution status	s of the control o	device:	2.				
Compliance:							
RoHS 2011/65	/EC		WEEE 2012/19	9/EU			
REACH (EC) Re	gulation no. 19	07/2006	EMC 2014/30/	'UE	RED 2014/53/UE.		
Power suppry:			mounting	12-24 VAC (±15%), 50/60 F (±3 Hz), max. 2 VA not insu lated or 12-24 VDC (±15% max. 1 W not insulated (in dependent power supply by a controller).			
		Models for wall mounting with back-slot for flush mounting box		115 230 VAC (+10 -15%), 50/60 Hz (±3 Hz max. 3 VA insulated.			
Earthing metho	ods for the contr	ol device:	None.				
Rated impulse-withstand voltage:		Models for wall mounting		330 V			
		Models for wall back-slot for fi box	mounting with ush mounting	2.5 KV.			
Over-voltage c	ategory:	Models for wall	mounting	1			
-		Models for wall back-slot for fl box	mounting with ush mounting	11.			
Software class	and structure:		Α.				
Analogue inputs:		Models for wall mounting Models for wall mounting with back-slot for flush mounting		1 for NTC probes 2 for NTC probes.			
NTC probes:	Measurement f	ield:	from -40 to 1	l IO °C (fro	m -58 to 230 °E)		
o probes.	Resolution:		0.1 °C (1 °F)	5 5 (11			
Digital outputs:		Models for wall Models for wall back-slot for fl box	mounting with ush mounting	none 2 with lay (K1	electromechanical re and K2 relay).		
K1 relay			SPST, 1 res. A	@ 250 \	/AC		
K2 relay			SPST, 1 res. A @ 250 VAC.				
Type 1 or Type 2 Actions:			Type 1.				
Additional feat tions:	ures of Type 1	or Type 2 ac-	C.				
Displays:			Two rows and	function	icons LCD display.		
Alarm buzzer: Incorporated s	ensors:		Built-in. temperature and humidity (according to the model).				
Working range	incorporated te	mperature and h	umidity sensor:				
0 40 °C (32.	104 °F)		10 70 % of relative humidity.				
Communications ports:			1 CAN port.				

Touch the SET key.

SET

10.

							• •	•		
11a.	ا ا	Touch the UP or DOWN key to select a parameter.		54	AI3	-	incorporated senso	r temperature	-	
							reading (AI3)			
	The display will sho	W:		55	AI4	-	AI4 analog input re	ading	-	
	Upper line	the parameter name		56	AI5	-	incorporated sense	sor humidity	-	
	Lower line	the parameter name					reading (AI5)			
12a.	\vee	Touch the DOWN key.		57 58	dO1 dO2	-	DO1 digital output DO2 digital output	status status	On OFF On OFF	
	The display will sho	w:		N.	PAR.	DEF.	"CnF EPJd" MENU (READ ONLY)	MIN MAX.	
	Upper line	none		59	bLE	-	reserved		-	
	Lower line	the parameter value		60	iPb	-	incorporated senso	r	t rH = temperature and hu-	
10-									midity	
138.		Touch the SET key.							none= no sensor	
	The display will sho	w:		61	EHt	-	back-slot for flush	mounting box	On OFF	
	Upper line	none								
	Lower line	the parameter value flashing	5	TEC	HNICAL	SPECII	ICATIONS			
14a.	$ \mathbf{f} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} h$	Touch the UP or DOWN key to set the value.	Purpo	Purpose of the control device: Function controller.				roller.	N.B.	
		Touch the SET key.		Construction of the control device: Built-in			Built-in electro	onic device.	The device must be dispose	
15a.				Container:				White, self-extinguishing.		of electrical and electronic v
				Category of heat and fire resistance:						
Setting configuration parameters of other menu.		Measu	Measurements: Models for			Models for wall mounting 111.4 x 76.4 x		111.4 x 76.4 x 18.5 mm	This document and the solutions contain	
11h	11h			Models for wall back-slot for f				(4 3/8 x 3 x 3/4 in) Ill mounting with 111.4 x 76.4 x 51.5 mm flush mounting (4 3/8 x 3 x 2 in).		tected by the Italian Intellectual Proper
110.							Models for wall			or partial reproduction and disclosure of
	The display will show:						back-slot for f			vice.
	Upper line	the parameter					box			EVCO accepts no liability for any possi
	Lower line	the parameter value	Moun	Mounting methods for the control device:			ontrol device:	Wall mountir	ng (with bolts and fastening	changes, at any time without prejudice
12b.	SET	Touch the SET key.						screws) or in the most common flush mount- ing box (with fastening screws).		
	The display will show: Upper line the parameter		Degree of protection provided by the cover- IP30.							
			ing:							
	Lower line the parameter value flashing				Connection method:					

ed of according to local regulations governing the collection waste.

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