## **EPJcolor**

## Remote user interfaces with 3.5 in touch-screen display and programmable with UNI-PRO 3 development environment





device for INDOOR

# PLEASE READ **CAREFULLY**

- panel or wall mountiung (according to the model)
- 24 VAC/12... 30 VDC power supply not insulated 3.5 in colour touch-screen TFT graphic display
- clock
- alarm buzzer
- 1 or 2 RS-485 MODBUS ports (according to the model)
- 1 CAN port (according to the model)
- device for indoor applications
- the device must be programmed with version 3.24 of UNI-PRO 3 or higher

#### Available models

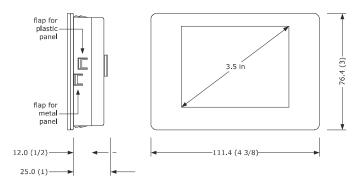
/ transacto modelo				_	
Purchasing code	Installation	Front colour	RS-485	CAN port	Incorporated
	mode		MODBUS ports		sensors
EPJC940U4	by panel	black	1	yes	-
EPJC940U4EXSB	by panel	black	2	no	-
EPJC940U4VWCW	by wall	white	1	yes	-
EPJC940U4VWSW	by wall	white	2	no	-
EPJC950U4VWCW	by wall	white	1	yes	temperature
EPJC950U4VWSW	by wall	white	2	no	temperature
EPJC960U4VWCB	by wall	black	1	yes	temperature
					and humidity
EPJC960U4VWCW	by wall	white	1	yes	temperature
					and humidity
EPJC960U4VWSB	by wall	black	2	no	temperature
					and humidity
EPJC960U4VWSW	by wall	white	2	no	temperature
					and humidity
			l		and numbers

#### 1 MEASUREMENTS AND INSTALLATION | Measurements in mm (in)

#### Models for panel mounting

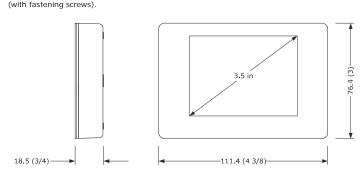
- the thickness of a metal panel must be between 0.8 and 1.5 mm (1/32 and 1/16 in), while that for a plastic panel must be between 0.8 and 3.4 mm (1/32 and
- the measurements of drilling template must be 107.6 x 72.6 mm (3 15/16 x 2 7/8 in), with rounded corners R 3.0 mm (1/8 in).

#### To be fitted to a panel, with elastic holding flaps.

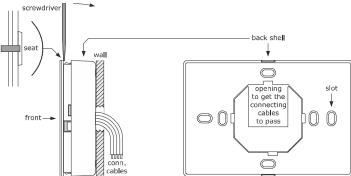


## Models for wall mounting

Wall mounting (with bolts and fastening screws) or in the most common flush mounting boxes



- Unhook the back shell from the front through a screwdriver and the proper seat
- In case of wall mounting:
  - 2.1.1 Lean the back shell against the wall in a position suitable to get the connecting cable to pass through the proper opening.
  - 2.1.2 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
  - 2.1.3 Insert the bolts in the holes drilled in the wall.
  - Countersunk head screws are suggested.
  - In case of 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
- 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

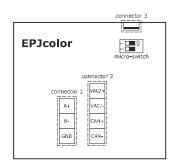


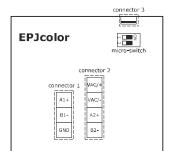
Use cables of an adequate section for the current running through them To reduce any electromagnetic interference connect the power cables as far away as possible from the signal cables and connect to a CAN network and RS-485 network by using a twisted pair.

#### Models for panel mounting

#### 2.1.1 Connectors and parts

- on the left for model EPJC940U4
- on the right for model EPJC940U4EXSB





Connec	tor 1
N.	DESCRIPTION
GND	reference RS-485 MODBUS port (master/slave)
B-	RS-485 MODBUS port reference - (master/slave)
A+	RS-485 MODBUS port reference + (master/slave)

N.	DESCRIPTION

IV.	DESCRIPTION
GND	reference RS-485 MODBUS port 1 (master/slave)
B1-	RS-485 MODBUS port 1 reference - (master/slave)
Λ1 _	DS_485 MODRUS port 1 reference + (master/slave)

N.	DESCRIPTION
CAN-	CAN port reference -
CAN+	CAN port reference +
VAC/-	device power supply (24 VAC/12 30 VDC). If the device is fed by DC power, con-
	nect terminal minus

VAC/+ device power supply (24 VAC/12... 30 VDC). If the device is fed by DC power, connect terminal plus

### N. DESCRIPTION

B2- RS-485 MODBUS port 2 reference - (slave)

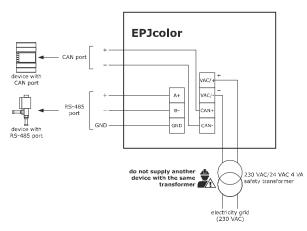
A2+ RS-485 MODBUS port 2 reference + (slave)

# Connector 3: Micro-USB port, for programming the device

### Micro-switch:

- to insert the RS-485 MODBUS port termination resistor.
- to insert termination resistor of the CAN port or of the second RS-485 MODBUS port.

# 2.1.2 Example of electrical connection with independent power supply



If the device is supplied by a controller, make sure that the current supplied by the controller is suitable to power the device. Do not supply another device with the same controller

# 2.1.3 Insertion of the RS-485 MODBUS ports and CAN port termination resistor

To insert the RS-485 MODBUS port termination resistor, place micro-switch 1 (marked as MBSLT or MBSLT1) in position ON.

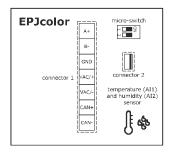
To insert the termination resistor of the CAN port or of the second RS-485 MODBUS port, place micro-switch 2 (marked as CANLT or MBSLT2) in position ON.

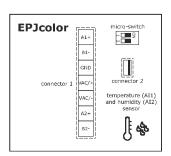
The micro-switch is at the back of the device (to access it, rem before)

# Models for wall mounting

# 2.2.1 Connectors and parts

- on the left for models EPJC940U4VWCW, EPJC950U4VWCW, EPJC960U4VWCB and EPJC960U4VWCW
  - on the right for models EPJC940U4VWSW, EPJC950U4VWSW, EPJC960U4VWSB and





Connect	tor 1
N.	DESCRIPTION
CAN-	CAN port reference -
CAN+	CAN port reference +
VAC/-	device power supply (24 VAC/12 30 VDC). If the device is fed by DC power, connect terminal minus
VAC/+	device power supply (24 VAC/12 30 VDC). If the device is fed by DC power, connect terminal plus ${\sf C}$
GND	reference RS-485 MODBUS port (master/slave)

#### B- RS-485 MODBUS port reference - (master/slave)

A+ RS-485 MODBUS port reference + (master/slave)

# N. DESCRIPTION B2- RS-485 MODBUS port 2 reference - (slave) A2+ RS-485 MODBUS port 2 reference + (slave)

GND reference RS-485 MODBUS port 1 (master/slave) B1- RS-485 MODBUS port 1 reference - (master/slave) A1+ RS-485 MODBUS port 1 reference + (master/slave)

Connector 2: Micro-USB port, for programming the device.

#### Micro-switch:

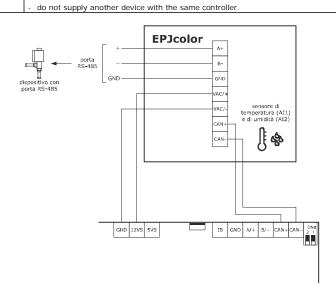
- to insert the RS-485 MODBUS port termination resistor.
- to insert termination resistor of the CAN port or of the second RS-485 MODBUS port.

Temperature sensor (AI1): according to the model. Humidity sensor (AI2): according to the model.

2.2.2 Electrical connection with device powered by a controller (for example c-pro 3 OEM)

# 

make sure that the current supplied by the controller is suitable to power the de-



If the device is supplied with independent power supply, do not supply another device with the

#### 2.2.3 Insertion of the RS-485 MODBUS ports and CAN port termination resistor To insert the RS-485 MODBUS port termination resistor, place micro-switch 1 (marked as

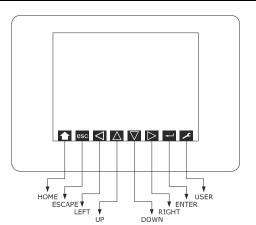
MBSLT or MBSLT1) in position ON. To insert the termination resistor of the CAN port or of the second RS-485 MODBUS port, place

micro-switch 2 (marked as CANLT or MBSLT2) 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 label data will not be accepted.

# 3 USER INTERFACE



# Switching the device on and of

- Power up the device: an internal test will be run.
- Touch the low part of the display to show the sensitive areas

# SETTINGS

2.

Setting configuration parameters of "Parameters" and "Networks" menu

Touch the low part of the display to show the sensitive areas

ч		
	<b>⇔</b>	N.B. Turn off the power after changing the configuration.

·	• •
۶	Touch the USER area: the display will show the frame "Network Status (CAN)".
7	Touch the ENTER area: the display will show the frame "V-COLOR BROWS".
<b>√</b>	Touch the UP or DOWN area to select a menu.
<b>←</b>	Touch the ENTER area to access a menu: the display will show the frame "Input Password".
<b>~</b>	Touch the ENTER area again.
<b>√</b> •	Touch the UP or DOWN area to set "-19".
	T 1 0 ENTED 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

	5.	7	Touch the ENTER area to access a menu: the display will show the frame "Input Password".					
	6.	7	Touch the ENTER area again.					
	7.	Touch the UP or DOWN area to set "-19".						
	8.		Touch the ENTER area: the display will show the frame of th menu.					
-	9.	<b>√</b> •	Touch the UP or DOWN area to select a parameter.					
_	10.		Touch the ENTER area.					
	11.	<b>√</b>	Touch the UP or DOWN area to set the value.					

EVCO S	.p.A.	_	1	eet ver. 2.0   Code 104PJCE20 the ENTER area.	03   Page 2 of 2   PT 14/23		8	Italian	-	showing in Italian the	guage management	I	63	RTC	-	clock status
13.	esc		Touch		es to return to the previous dis-					project words (if fore- seen)						
4.2	_	he date and t	plays.				9	Français	-	showing in French the project words (if fore-seen)			64	STACK	-	stack status
	l						10	Español	-	showing in Spanish the project words (if fore-			65	MATH	-	math status
1.	Touc			lisplay to show the sensitive the USER area: the display	y will show the frame "Network		11	Deutsch	-	seen) showing in German the	-					
3.	<b> </b>		_	(CAN)". the ENTER area: the display	y will show the frame "V-COLOR					project words (if fore- seen)			66	KEY PAR	-	result upl
4.	<b>√</b> [0	• •	BROW:	S". the UP or DOWN area to se	elect the date and time.		12	Russian	-	showing in Russian the project words (if fore-			N.	PARAMETER	DEF.	figuration p
5.	<b>—</b>	_		the ENTER area.			13	Portoguês	-	seen) showing in Portoguese	_		67	Main time	-	ONLY) main cycle
6.	1	<u>و</u> ح	Touch	the LEFT or RIGHT area to s	select a field.			DADAMETED	DEE	the project words (if foreseen)	Adini May		68	max time	-	ware (ms)
7.	_	<u>^</u>	Touch	the UP or DOWN area to se	et the value.		N. 14	PARAMETER  Date Char  Separator	DEF.	"Parameters" MENU  ASCII character as data separator	MIN MAX.	<b>E</b>	69	main free stack main	-	cycle time f minimum main
8.	-	<u>-</u>	Touch	the ENTER area.			15	Year format	YY	year format	YY = 2 numbers YYYY = 4 numbers		70 71	100ms time max time	-	reserved
9.	esc	С	Touch plays.	the ESCAPE area a few time	es to return to the previous dis-		16	Date format	dd mm	data format	yy mm dd = year, month and day		72	100 ms		reserved
4.3	Set t	he language		w the words of the proje	ect (if foreseen and if the de-				уу		mm dd yy = month, day and year		N.	100 ms	DEF.	"Sensor" M
	vice	works in "pro	gramm	able" mode)							dd mm yy = day, month and year					ACCORDING MODEL)
1.	Touc	ch the low part	of the d	lisplay to show the sensitive	e areas.		17	Time Char Separator	:	ASCII character as hour separator	-		73	Temperature	-	incorporate temperatur
2.	مر		Status	(CAN)".	y will show the frame "Network		18	Time With Sec	YES	showing time with se- conds	NO = no YES = yes	Q	74	Humidity	-	(AI1) incorporate
3.	-	1	Touch BROW:		y will show the frame "V-COLOR		19	Time AM/PM	NO	time format	NO = 24 h YES = 12 h	<b>\</b>	75	Offset	0.0	midity read incorporate
4.	4	<i>(</i>	Touch	the UP or DOWN area to se	elect "Languages".	_	20	Backlight Mode	TIME	backlight type	off = off on = on					temperatur set (AI1)
5.	-		Touch	the ENTER area.		*	21	Backlight	60	timeout backlight	TIME = with Backlight Timeout  0 240 s		76	Offset	0.0	incorporate midity re
6.		<i>و</i> کے	Touch	the UP or DOWN area to se	elect the language.		22	I/O Timeout	60	delay remote I/O disa- bling from CAN commu-	0 240 s	8	   	HNICAL DATA	l	(AI2)
7.	<b>←</b>	1		the ENTER area.	os to return to the previous dis		22	Dofrach		nication absence	0. 100 ms			the control devi	co	
8.	esc	C	plays.	me ESCAPE alea a lew time	es to return to the previous dis-		23	Refresh Timeout Print Loading	0 NO	update variables timeout showing "Loading"	0 100 ms		ructio	n of the control		
5	CONF	FIGURATION (	UPLOAI	D/DOWNLOAD			_ 4	Loading		during project page load- ing			ory of	heat and fire r		e dels for pane
5.1	Parai	meters upload	d/dowr	nload (if the device works	s in "programmable" mode)		25	Password Timeout	60	"Parameters", "Net- works" and "Back-	0 240 s	wedse	00			dels for wall
Ö	N.B. - cc	onfiguration up	load/dov	vnload is allowed on condition	on that parameters of origin co-					up/Restore" menu pass- word timeout		Mount	ing m	nethods for the	control	device
70	1	cide with parar oload/download		of destination Ily takes a few seconds.			26	Beep Mode	2	beep type when touching the display	0 = never 1 = always		3			
1.	Touc	ch the low part	of the d	lisplay to show the sensitive	e areas.		27	Print Frame	0	showing frames instead	2 = if the area is sensitive 0 = no					
2.	٦	_	Touch	the USER area: the display	y will show the frame "Network					low size pages	1 = yes			method		he covering dels for pane
3.	<b>-</b>	_	Touch		y will show the frame "V-COLOR		N.	PARAMETER	DEF.	"Networks > CAN bus" MENU	MIN MAX.				Мо	dels for wall
4.	<b>√</b> \	<u></u>	BROW:	the UP or DOWN area to se	elect "Backup/Restore".		28	MyNode Master	-	CAN address reserved	1 127			ermitted length		nection cable
5.	4			the ENTER area to access me "Input Password".	a menu: the display will show		30	Baud	Auto	CAN baud rate	20K = 20,000 baud 50K = 50,000 baud	CAN p	ort:	ly: 10 m (32.8		
6.	<b>-</b>	1		the ENTER area again.							125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing	- 500	) m (1	(3,280 ft) with back	aud rate	50.000 baud
7.	4	<b>√</b>	Touch	the UP or DOWN area to se	et "-19".						of baud rate if one of the previous	- 50	m (16	320 ft) with bau 34 ft) with baud (32.8 ft) use a	rate 50	0.000 baud
8.	+	1	Touch up/Res	•	lay will show the frame "Back-		31	Timeout	5	delay exclusion device in CAN network from ab-	· · · · · · · · · · · · · · · · · · ·	Opera	ting t	emperature nperature	silielaea	Cable
9.	4	و کړ	Touch	the LEFT or RIGHT area to s	select a field.		32	Network	-	sence of communication physical node joined to	[1] 1 [32] 127			umidity		
	FIEL USB	D <b>Key</b>	MEANI upload	NG /download from USB flash o	drive		N.	Node PARAMETER	DEF.	the logic node "Networks > CAN bus >	MIN MAX.	Polluti		atus of the cont	rol devi	ce
10.	Baci	kup Memory		/ download from device me	emory y will show the relative frame.		33	Cnt Rx		CAN status" MENU number of received pac-	0 9999	RoHS	2011	/65/EC ) Regulation N.	1907/20	006
11.	-	<u>و</u> کے		the LEFT or RIGHT area to			34	Cnt Tx	-	number of transmitted	0 9999	Power				
	FIEL	D	MEANI		solest a nota.		35	Cnt Ovf	-	packages number of intercepted	0 9999					
	ram	lication pa- eters	project	t parameters			36	Cnt Passive	-	number of intercepted	0 9999			ethods for the c lse-withstand v		evice
		dware con- ration	configu	uration parameters			37	Cnt Bus Off	-	number of intercepted bus off	0 9999			je category ass and structui	re	
12.	-	1		the ENTER area.	ea to select "Restore from		38	BufRx Valid BufTx Valid	-	number receipts ok	0 9999 0 9999			ry autonomy ir	n the a	bsence of a
13.	4	<b>€</b>	USB"/	"Save on USB" (for field se	election "USB Key") or to select e on memory" (for field selec-		40	Cnt Tx Err	-	ok  number of transmissions		Displa	ys			
			tion "B	Backup Memory").	juration upload/download will be		41	Cnt Rx Err	-	in error number of receipts in er-		Alarm		er d sensors		
14.	4		run.		es to return to the previous dis-		42	Cnt Stuff	<u>L</u> -	ror number stuff errors	0 9999		ng rar	nge incorporate	d tempe	erature sen-
15.	esc		plays.				43 44	Cnt Form Cnt Ack	-	number form errors number ack errors	0 9999 0 9999	sor: Humic senso		range incorpo	rated t	temperature
6		TIONAL FUNC					45 46	Cnt Bit1 Cnt Bit0	-	number bit1 errors number bit0 errors	0 9999 0 9999	Tempe	eratur	e and humidity been switched o		will be read v
<b>6.1</b>	1		-	ostic" and "Debug" menu lisplay to show the sensitive	•		47 N.	Cnt CRC PARAMETER	DEF.	number CRC errors "Networks > CAN bus >	0 9999 MIN MAX.	Comm	nunica	itions ports 485 MODBUS p		CAN port
2.	٦	_	Touch	the USER area: the display	y will show the frame "Network		48	BrP	-	CAN Bit Timing" MENU reserved	-			to the model)		
3.	-	J			y will show the frame "V-COLOR		49 50	SJW T.SEG1	-	reserved reserved	-					
4.	<b>4</b>	و کم		the UP or DOWN area to se	elect a menu.		51 N.	T.SEG1 PARAMETER	DEF.	reserved "Networks > UART 1/2"	MIN MAX.					
5.	4	_	Touch	the ENTER area.			52	Address	1	MENU MODBUS address	1 247					
6.	esc	С	Touch plays.	the ESCAPE area a few time	es to return to the previous dis-		53	Parity	even	MODBUS parity	none = none odd = odd					
7	CONF	FIGURATION		ETERS			54	Baudrate	9600	MODBUS baud rate	even = even					
	N.	PARAMETER	DEF.	"Info" MENU (READ ON-	MIN MAX.	Id					4800 = 2,400 baud 4800 = 4,800 baud 9600 = 9,600 baud					
	1	PROJ	-	LY) project information	-						19200 = 19,200 baud 28800 = 28,800 baud					
	3	FW HW	-	firmware information hardware information	-						38400 = 38,400 baud 57600 = 57,600 baud	R	II di	ENZIONE ispositivo deve		
O,	4	SW	-	development environ- ment information	-		55	Bit Stop	1 bit	MODBUS stop bit	1 bit = 1 bit 2 bit = 2 bit			e apparecchiatu		
	5	SN	-	serial number infor- mation and result of the	-		N.	PARAMETER	DEF.	"Networks > USB" MENU (READ ONLY)	MIN MAX.	dei dirit	ti di p	nento e le soluzio roprietà Industria	ale (CPI)	. EVCO pone
	6	DATE	-	information on data and time last project compil-	-	ф	60	USB Status Init Device	-	reserved	-	stallato	re o u	dei contenuti se r utente finale) si assume alcuna re	assume	ogni responsa
	N.	PARAMETER	DEF.	ing	MIN MAX.		61	Device Status Idle	-	reserved	-		qualsi	iasi modifica in q		
<b>(</b>	7	English	-	(READ ONLY) showing in English the			N.	Init Speed PARAMETER	DEF.		MIN MAX.	<u> </u>		<b>.</b>		O S.p.A.
<b>W</b>		J		project words (if fore- seen)		2	62	EEPROM	-	(READ ONLY) EEPROM memory status	OK = not in error ERR = in error		1		Tel.	Feltre 81, 320 0437/8422
						J	1	1		1	LEWY - III CITOI	Ever	y C (	ontrol Gro	ur ema	il info@evco.i

i	63	RTC	1	l alaak status		OK = not in error		
	03	RIC	-	clock status	5	OK = not in error ERR = in error		
						LOW = data lost		
		CTACK		-414-4		DISAB = not enabled		
	64	STACK	-	stack status	5	OK = not in error ERR = in error (for overflow)		
	65	MATH	-	math status	3	OK = not in error		
						ERR = in error (for overflow,		
						underflow, division by zero or NaN)		
	66	KEY PAR	-		oad/download	OK = succesfully completed		
				1	oject and con-	ERR = unsuccessfully com- pleted		
-	N.	PARAMETER	DEF.	figuration parameters  "Debug" MENU (READ		MIN MAX.		
				ONLY)				
	67	Main time	-	main cycle ware (ms)	time for soft-	-		
	68	max time	-	maximum	value main	-		
ν.		main		cycle time f				
	69	free stack main	-	minimum f	free stack of	-		
	70	100ms time	-	reserved		-		
	71	max time	-	reserved		-		
	72	100 ms free stack	_	reserved		_		
	,-	100 ms		10301104				
	N. PARAMETER DE				ENU (VISIBLE	MIN MAX.		
				ACCORDING MODEL)	G TO THE			
	73 Temperature -			incorporate	d sensor	-		
				temperatur	e reading			
	74	Humidity	-	(AI1) incorporate	d sensor hu-	-		
U,		,		midity read	ing (AI2)			
	75 Offset O.			incorporate	d sensor e reading off-	-10.0 10.0 °C		
				set (AI1)	e reading on-			
	76	Offset	0.0	1	d sensor hu-			
				midity re (AI2)	ading offset			
			ļ	1 \ /		I		
8	TECH	HNI CAL DATA						
Purpos	e of t	the control devi	ce		Function conti	roller		
Constr	uctio	n of the control	device		Built-in electro	ronic device		
Contai					Black, self-ex	tinguishing		
Catego		heat and fire re		e dels for pane	D	111.4 x 76.4 x 25.0 mm		
ivieasu	ene	IIIS	livio	ideis for parie	rimounting	(4 3/8 x 3 x 1 in)		
			Мо	dels for wall	mounting	111.4 x 76.4 x 18.5 mm		
14		- 41 1- 6 41				(4 3/8 x 3 x 3/4 in)		
Mounti	Mounting methods for the conti			device		the model, panel mounting holding flaps), wall mounting		
					(with bolts ar	nd fastening screws) or in the		
					most commor tening screws	n flush mounting box (with fas-		
Degree	Degree of protection provided by				<del> </del>	case of panel mounting)		
			Мо	dels for pane		Removable screw terminal		
			100	-1-1- 6		blocks for wires up to 1 mm <sup>2</sup>		
			IMO	dels for wall	mounting	Fixed screw terminal blocks for wires up to 1 mm <sup>2</sup>		
Maxim	um p	ermitted length	for con	nection cable	es	· '		
		ly: 10 m (32.8 t	ft)		Power supply:	10 m (32.8 ft)		
- 1.00		(3,280 ft) with	baud ra	ite 20,000 ha	ud			
		,640 ft) with ba						
- 250	- 250 m (820 ft) with baud rate 125,000 baud							

- 250 m (820 ft) with baud rate 125.000 baud						
50 m (164 ft) with baud rate 500.000 baud						
Over 10 m (32.8 ft) use a shielded cable						
Operating temperature	From -10 to 55 °C (from	om 14 to 131 °F)				
Storage temperature	From -20 to 70 °C (fro	om -4 to 158 °F)				
Operating humidity	Relative humidity with	out condensate from 5				
	to 95%					
Pollution status of the control device	2					
Compliance						
RoHS 2011/65/EC	WEEE 2012/19/EU					
REACH (EC) Regulation N. 1907/2006	EMC 2014/30/UE	RED 2014/53/UE				
Power supply	24 VAC (±15%), 50/60 Hz (±3 Hz), max. 4 VA not insulated or 12 30 VDC, max. 2 W not insulated (independent power supply or by a controller)					
Earthing methods for the control device	None					
Rated impulse-withstand voltage	I					
Over-voltage category	330 V					
Software class and structure	Α					
Clock	with incorporated prin	nary lithium battery				
Clock battery autonomy in the absence of a	3 years at 25 °C (77 °	F)				

Colour touch-screen TFT graphic display

Built-in

temperature or temperature and humidity
(according to the model)

n0... 40 °C (32... 104 °F); accuracy ±0,5 °C
at 25 °C in static air

ure
10... 70 % of relative humidity; accuracy
±5% between 30 % and 70 %
and with the correct compensation after 30 min the d with the correct compensation after 30 min the

1 USB port

econdo le normative locali in merito alla raccolta lettroniche.

ute sono proprietà intellettuale EVCO tutelata dal Codice one il divieto assoluto di riproduzione e divulgazione an-e autorizzata da EVCO stessa. Il cliente (costruttore, inonsabilità in merito alla configurazione del dispositivo. rito ai possibili errori riportati e si riserva il diritto di ap-senza pregiudicare le caratteristiche essenziali di funzio-



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