Extra-large controllers for refrigerated cabinets and display units, with energy-saving strategies







EN ENGLISH

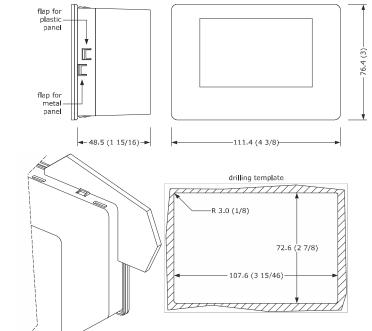
- Controllers for low temperature units
- Power supply 230 VAC
- Incorporated clock (according to the model)
- Cabinet probe and evaporator probe (PTC/NTC).
- Compressor relay 16 A res. @ 250 VAC or 30 A res. @ 250 VAC (according to the model).
- Alarm buzzer
- TTL MODBUS slave port for EVconnect app, EPoCA remote monitoring system or for
- Port for SD card data-logger module EVBD05 (according to the model).
- Models in plastic container or open-frame (according to the model).

MEASUREMENTS AND INSTALLATION | Measurements in mm (inches Models in plastic container for front installation

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



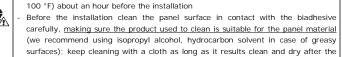
The thickness of a metal panel must be between 0.8 and 1.5 mm (1/32 and 1/16 in), while that for a plastic panel must be between 0.8 and 3.4 mm (1/32 and 1/8 in).



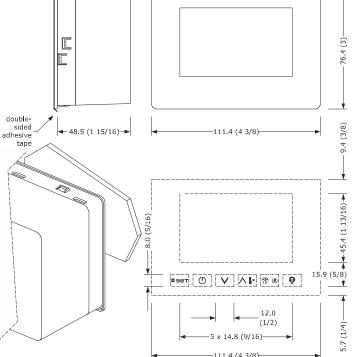
Models in plastic container installed from behind

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

- 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
- Keep the device and the panel at a temperature between 15 and 38 °C (59 and

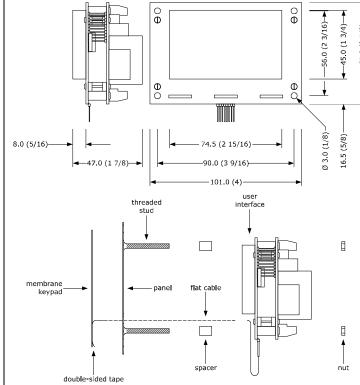


During the installation, exert a uniform and constant pressure about 30 s on the panel surface in contact with the biadhesive; later keep the device and the panel horizontally about 48 h at a temperature between 15 and 38 °C (59 and 100 °F).



Open-frame models

To be installed from behind, with threaded studs and membrane keypad



INSTALLATION PRECAUTIONS

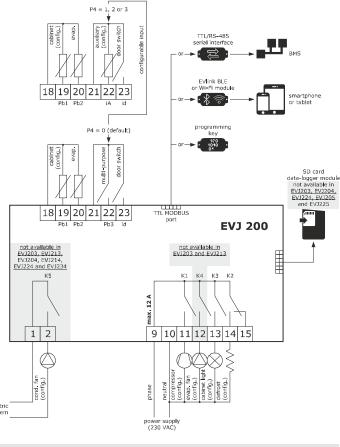
Ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFICATIONS section.

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

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 aused 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

FIRST-TIME USE the instructions given in the

- INSTALLATION. Power up the device and an internal test will be run.
- The test normally takes a few seconds, when it is finished the display will switch off. Configure the device as shown in the section Setting configuration parameters.
- Recommended configuration parameters for first-time use

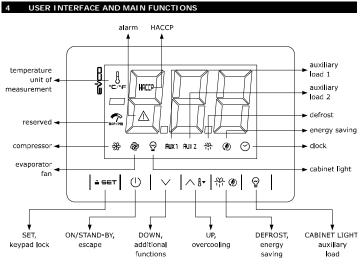
PAR.	DEF.	PARAMETER	MIN MAX.
SP	0.0	setpoint	r1 r2
P0	1	probe type	0 = PTC 1 = NTC
P2	0	temperature unit of measurement	0 = °C 1 = °F
d1	0	defrost type	0 = electric 1 = hot gas
			2 = compressor stopped

Then check that the remaining settings are appropriate; see the section CONFIGURATION PARAMETERS.

- Disconnect the device from the mains
- Make the electrical connection as shown in the section $\it ELECTRICAL\ CONNECTION$ without powering up the device.
- For the connection in an RS-485 network connect the interface EVIF22TSX or EVIF23TSX, to activate real time functions in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225 connect the module EVIF23TSX, for recording HACCP data in CSV format on SD card connect the module EVBD05, to use the device with the EPoCA remote monitoring system, connect the EVIF25TWX module, to use the device with the Android APF ${\tt EVconnect\ connect\ the\ interface\ EVIF25TBX\ (or\ use\ EVJ214N7VXXRXV,\ EVJ234\ or}$

EVJ235); see the relevant instruction sheets. If EVIF22TSX or EVIF23TSX is used set parameter bLE to 0.

Power up the device



Switching the device on and off

If POF = 1 (default), touch the ON/STAND-BY key for 2s.

	vice is switched on, the capital shows an alarm code		alue ("cabinet temperature" default);						
LED	ON	OFF	FLASHING						
*	compressor on	compressor off	compressor protection active setpoint being set						
@	evaporator fan on	evaporator fan off	evaporator fan stop active						
୍ର	cabinet light on	cabinet light off	cabinet light on by digital input						
AUX 1	auxiliary function 1 on	auxiliary function 1 off	auxiliary function 1 on by digital inputauxiliary function 1 delay active						
AUX 2	auxiliary function 2 on	auxiliary function 2 off	auxiliary function 2 on by digital inputauxiliary function 2 delay active						
*	defrost or pre-drip active	-	defrost delay activedripping active						
0	energy saving activelow consumption active	-	-						
0	view time	-	set date, time and day of the current week						
.E/° F	view temperature	-	overcooling or overheating active						
НАССР	saved HACCP alarm	-	new HACCP alarm saved						
\triangle	alarm active	-	-						
If Loc =	1 (default) and 30s have	elapsed without the keys	s being pressed, the display will show						

the "Loc" label and the keypad will lock automatically.

Unlock keypad

1.

Touch a key for 1s: the display will show the label "UnL"

4.3 Set the setpoint (if r3 = 0, default)

<u> </u>SET

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neck t	hat the keypad isn't	locked.
		Touch the SET key.
١.	√ <u> </u>	Touch the UP or DOWN key within 15s to set the value within the limits r1 and r2 (default *-40 50*)

Activate manual defrost (if r5 = 0, default) Check that the keypad is not locked and that overcooling is not active

0 Touch the DEFROST key for 2s. If P3 = 1 (default), defrost is activated provided that the evaporator temperature is lower than the d2 threshold.

Touch the SET key (or do not operate for 15s).

Cabinet light on/off (if u1c... u5c = 5)

Button-operated load on/off (if u1c... u5c = 10 or 11)

Touch the CABINET LIGHT key.

Touch the CABINET LIGHT key (for 2s if u1c... u5c = 5). If u1c... u5c = 6, the **demisting** switch on for the u6 duration

4.7 Silence buzzer (if u9 = 1, default) Touch a key.

If u1c... u5c = 11 and u4 = 1, the alarm output is deactivated.

ADDITIONAL FUNCTIONS 5.1 Activate/deactivate overcooling and overheating Check that the keypad is not locked.

Touch the UP key for 2s.

CONSEQUENCE r5 = 0 and defrost not the setpoint becomes "setpoint active r6", for the r7 duration the setpoint becomes "setpoint + overheating

r6", for the r7 duration

Activate/deactivate energy saving in manual mode (if r5 = 0) Check that the keypad is not locked.

₩ 🐠 Touch the DEFROST key.

The setpoint becomes "setpoint + r4", at maximum for HE2 duration.

Activate the high or low humidity functions (if F0 = 5) Check that the keypad isn't locked.

	1.	`	✓	Touch the DOWN key for 1s.
	2.	f	<u> </u>	Touch the UP or DOWN key within 15s to select the label "rH".
	3.	29	SET	Touch the SET key for 2s until the display shows the right label for the function (only touch the key to see the function activated).
.	LAR DESCRIPTION			N.

rhH	high humidity function (evaporator fan on)											
	off, on if the compressor is on)											
rhL	low humidity function (evaporator fan with F17 and F18 if the compressor is											

ouch the ON/STAND-BY key (or do not operate for 60s) to exit

EVCO S.p.A. EVJ 200 Instruction sheet ver. 4.0 Code 104J200E403 Page 2 of 4 PT 27/18	1			ı	l			1	
 5.4 View/delete HACCP alarm information (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) Check that the keypad isn't locked. 			e written in HACCP mode (e.g. the file "log001_2015_03_26.csv"). e address is 1 (parameter LA)		5 6	PO P1	1	enable °C decimal point	0 = PTC
1. Touch the DOWN key for 1s.		2015 the file w	e aduless is Tyanameter LAy as written in 2015 as written in March		8	P2 P3	0	temperature unit of measurement evaporator probe function	0 = °C
2. Touch the UP or DOWN key within 15s to select a label.		·	as written in wardr as written on 26 March 2015		٥	P3		evaporator probe function	1 = defrost + fan 2 = fan
LAB. DESCRIPTION LS view HACCP alarm information	Examp		ame written in HACCP mode (e.g. the file "log001_2015_m03.csv"). e address is 1 (parameter LA)		9	P4	0	configurable input function (option 4 only available in	
rLS delete HACCP alarm information		2015 the file w	as written in 2015 as written in March 2015					EVJ224, EVJ225, EVJ234 and EVJ235)	· ·
3. a SET Touch the SET key.	Examp	le of a file name writ	ten in service mode (e.g. the file "log001_2015_0001.csv").					,	4 = evaporator 2 probe if P4 = 3, regulation temperature
4. Touch the UP or DOWN key to select an alarm code (to select label "rLS") or to set "149" (to select label "rLS").		001 the device	e address is 1 (parameter LA) as written in 2015		10	P5	0	value displayed	= product temperature (CPT) 0 = regulation temperature
COD. DESCRIPTION AL low temperature alarm		0001 sequence							1 = setpoint2 = evaporator temperature
AH high temperature alarm id open door alarm (if i4 = 1)		View data-logger that the keypad isn't							3 = auxiliary temperature 4 = air in temperature
PF power failure alarm (available in EVJ213, EVJ214, EVJ214N7VXXRXV, EVJ215, EVJ234 and EVJ235 or in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225 with	1.	V	Touch the DOWN key for 1s.		11	P7	50	inlet air weight for calculated product temperature (CPT)	0 100 % CPT = {[(P7 x (inlet air T)] +
interface EVIF25TBX connected) 5. SET Touch the SET key.	2.	√ <u> </u>	Touch the UP or DOWN key within 15s to select the label "Err".		10	P.O.			[(100 - P7) x (outlet air T)] : 100}
6. Touch the ON/STAND-BY key (or do not operate for 60s) to exit	3.	aset	Touch the SET key.	-	\rightarrow		DEF.	REGULATION	0 250 s : 10 MIN MAX.
I I I I I I I I I I	4.	LAB. DESCRIPTION	Touch the UP or DOWN key within 15s to see the alarm code.		13	r0	2.0	setpoint differential	1 15 °C/°F if u1c u5c 1, proportional band
Example of alarm information (e.g. a high temperature alarm). 8.0 critical value (calculated cabinet/product temperature)		FUL no space le	t inserted or not recognised alarm		14 15	r1 r2		minimum setpoint maximum setpoint	-99 °C/°F r2 r1 199 °C/°F
was 8.0 °C/°F Sta (available in EVJ213, EVJ214, EVJ214N7VXXRXV, EVJ215, EVJ234	5.	J ()	Touch the ON/STAND-BY key (or do not operate for 60s) to exit the procedure.	*	16	r3	0.0	enable setpoint block	0 = no 1 = yes 0 99 °C/°F
and EVJ235 or in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225 with interface EVIF25TBX connected)	7	SETTINGS	are procedure.	-41	18	r5	0		0 = cooling 1 = heating
y15 alarm signalled in 2015 n03 alarm signalled in March	7.1	Setting configurat			19	r6	0.0	setpoint offset in overcooling/overheating	0 99 °C/°F
d26 alarm signalled on 26 March 2015 h16 alarm signalled at 16:00	2	aset	Touch the SET key for 4s: the display will show the label "PA".		20 21	r7 r12	0	overcooling/overheating duration	0 240 min 0 = asymmetric
n30 alarm signalled at 16:30	3.	A SET	Touch the SET key. Touch the UP or DOWN key within 15s to set the PAS value			PAR.	DEF.		1 = symmetric MIN MAX.
h01 alarm lasted 1h n15 alarm lasted 1h 15min	4.	I aset I	(default "-19"). Touch the SET key (or do not operate for 15s): the display will		22	CO	0	compressor on delay after power-on	
5.5 View/delete compressor functioning hours	5.	√ <u> </u>	show the label "SP". Touch the UP or DOWN key to select a parameter.		23	C1	5	delay between 2 compressor switch-ons	
Check that the keypad isn't locked. 1. Touch the DOWN key for 1s.	6.	aset	Touch the SET key.		24 25	C2 C3	3	compressor on minimum time	0 240 min 0 240 s
2. Touch the UP or DOWN key within 15s to select a label.	7.	√ <u> </u>	Touch the UP or DOWN key within 15s to set the value.		26	C4	10	compressor off time during cabinet probe alarm	
LAB. DESCRIPTION	8.	a set	Touch the SET key (or do not operate for 15s).		27	C5	10	compressor on time during cabinet probe alarm	
CH1 view compressor functioning hundreds of hours CH2 view second compressor functioning hundreds of hours (if u1c u5c = 1)	9.	aset	Touch the SET key for 4s (or do not operate for 60s) to exit the procedure.		28			threshold for high condensation warning	differential = 2 °C/4 °F
rCH delete compressor and second compressor functioning hours Touch the SET key.	7.2	Set the date, tir	ne and day of the week (available in EVJ213, EVJ214,		29			threshold for high condensation alarm	
4. Touch the UP or DOWN key to set "149" (to select rCH).		EVJ214N7VXXRXV	, EVJ215, EVJ234 and EVJ235 or in EVJ203, EVJ204, EVJ205, swith interface EVIF25TBX or EVIF25TWX connected)		30 31	C8 C10	0	compressor hours for service	0 15 min 0 999 h x 100 0 = disabled
5. SET Touch the SET key.		N.B.			32 33	C11 C12	10	compressor 2 on delay	0 240 s 0 10
6. Touch the ON/STAND-BY key (or do not operate for 60s) to exit the procedure.	o,		onnected to the interface EVIF25TBX, do not disconnect the device within two minutes since the setting of the time and day of the		33	CIZ	2	balancing hours and switch-ons (BHC) - (only available in	BHC = {[C12 x (compressor
5.6 View the temperature detected by the probes	,	- If the device cor	nmunicates with the APP EVconnect, the date, time and day of the					EVJ224, EVJ225, EVJ234 and EVJ235)	
Check that the keypad isn't locked.			atically be set by the smartphone or tablet.		34	C13	1	compressor hours switch-ons for balancing hours and switch-ons	
1. Touch the DOWN key for 1s.	Check	that the keypad isn't	locked. Touch the DOWN key for 1s.					_	hours)] + [C13 x
2. Touch the UP or DOWN key within 15s to select a label. LAB. DESCRIPTION	2.	√ <u> </u>	Touch the UP or DOWN key within 15s to select the label "rtc".		35	C14	1	EVJ235) tie between compressors (only	0 = according to C11
Pb1 cabinet temperature (if P4 = 0, 1 or 2) inlet air temperature (if P4 = 3)	3.	_ aset	Touch the SET key: the display will show the label "y" followed by the last two figures of the year.					available in EVJ224, EVJ225, EVJ234 and EVJ235)	
Pb2 evaporator temperature (if P3 = 1 or 2) Pb3 auxiliary temperature (if P4 = 1, 2 or 3)	4.	√ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Touch the UP or DOWN key within 15s to set the year.		N. 36	PAR. d0	DEF.		MIN MAX. 0 99 h
Pb4 calculated product temperature (CPT; if P4 = 3) 3. SET Touch the SET key.	5.	Repeat actions 3 ar	nd 4 to set the next labels.						0 = only manual if d8 = 3, maximum interval
Touch the ON/STAND-BY key (or do not operate for 60s) to exit		LAB. MEANING On month (01.	F THE NUMBERS FOLLOWING THE LABEL . 12)		37	d1	0	defrost type	0 = electric 1 = hot gas
I I I I I I I I I I		d day (01 3	1)		38	d2 d3	2.0	threshold for defrost end	2 = compressor stopped -99 99 °C/°F 0 99 min
6 DATA-LOGGER MODULE on SD CARD (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225)		n minutes (00	59) Touch the SET key: the display will show the label for the day of		40	d4	0	defrost duration enable defrost at power-on	se P3 = 1, maximum duration
6.1 Initial information The data-logger module makes it possible to write information about the device on an SD card (in CSV format), in HACCP or service mode.	6.	A SET	the week. Touch the UP or DOWN key within 15s to set the day of the		41 42	d5 d6	0	defrost dealy after power-on	0 = no 1 = yes 0 99 min 0 = regulation temperature
Data-logger module configuration parameters. PAR. DEF. PARAMETER MIN MAX.	7.	LAB. DESCRIPTION	week.		42	do	•	value displayed during derrost	1 = display locked 2 = dEF label
Sd0 30 SD card writing interval in HACCP 1 30 min mode		Mon Monday tuE Tuesday			43 44	d7 d8	2	- ' ' '	0 15 min 0 = device on hours
Sd1 1 SD card writing interval in service 1 30 min mode		UEd Wednesday thu Thursday							1 = compressor on hours 2 = hours evaporator
Sd2 60 service mode duration 1 240 min Sd3 0 enable critical temperature recording 0 = no 1 = yes		Fri Friday Sat Saturday							temperature < d9 3 = adaptive (if P4 = 4,
Sd4 0 enable cabinet temperature recording 0 = no 1 = yes Sd5 1 decimal separator type 0 = comma 1 = point	8.	Sun Sunday	Touch the SET key: the device will exit the procedure.		Ш				device on hours) 4 = real time
6.2 Writing in HACCP mode	9.		Touch the ON/STAND-BY key to exit the procedure beforehand.		45	d9	0.0	evaporation threshold for automatic defrost interval	-99 99 °C/°F
Writing in HACCP mode is always activated, it generates a daily file and a monthly file. Information written in HACCP mode.		I		٥,	46 47	d11	0	enable defrost timeout alarm	0 = no 1 = yes
 cabinet temperature (if Sd4 = 1, default "no") critical temperature (if Sd3 = 1, default "no") device switched on/off 		Reset the factory	ocungs 	•	4/	d15	0	compressor on consecutive time for hot gas defrost	-20 99 min if negative values, duration dripping heater on
 device switched on/off defrost activated/completed energy saving activated/deactivated 	o,	N.B. Check that the fail PARAMETERS.	ctory settings are appropriate; see the section CONFIGURATION		48	d16	0	pre-dripping time for hot gas defrost	
alarm activated/restored power supply restored		la a			49	d18	40	adaptive defrost interval	0 999 min if compressor on + evapora-
The date and time is written for each piece of information.	1.	aset	Touch the SET key for 4s: the display will show the label "PA".			_			tor temperature < d22 0 = only manual
6.3 Writing in service mode Writing in service mode must be manually activated.	2.	A SET	Touch the SET key. Touch the UP or DOWN key within 15s to set *149*.		50	d19	3.0	threshold for adaptive defrost (relative to optimal evaporation	0 40 °C/°F optimal evaporation
Information written in service mode temperature detected by all probes	4.		Touch the UP or DOWN key within 15s to set *149*. Touch the SET key (or do not operate for 15s): the display will		51	d20	180	temperature) compressor on consecutive time	temperature - d19 0 999 min
 enable/disable probes device switched on/off functions on/off 	5.	aset	Show the label *dEF*. Touch the SET key.		52	d21	200	l '	0 = disabled 0 500 min
- functions on/off - defrost activated/completed - energy saving activated/deactivated	6.	√ <u> </u>	Touch the UP or DOWN key within 15s to set *1".					for defrost after power-on and overcooling	if (regulation temperature - setpoint) > 10°C/20 °F
alarm activated/restored power supply restored	7.	laset	Touch the SET key (or do not operate for 15s).		53	d22	-2.0	evaporation threshold for	0 = disabled -10 10 °C/°F
The date and time is written for each piece of information.	8.	Interrupt the powe	supply to the device.					adaptive defrost interval counting (relative to optimal evaporation temperature)	optimal evaporation temperature + d22
6.4 Activate/deactivate writing in service mode Check that the keypad isn't locked.	9.	a set ∣	Touch the SET key for 2s before action 6 to exit the procedure beforehand.		54	d25	0	enable air out probe for defrost during evaporator probe alarm	0 = no 1 = yes
1. Touch the DOWN key for 1s.	8	CONFIGURATION	PARAMETERS		55	d26	6	defrost interval during	0 99 h 0 = only manual
2. Touch the UP or DOWN key within 15s to select the label "SEr".	® ≣	N. PAR. DEF.	SETPOINT MIN MAX.		N.	PAR.	DEF.	ALARMS	if d25 = 1 MIN MAX.
3. SET Touch the SET key.		N. PAR. DEF.	setpoint r1r2 ANALOGUE INPUTS MIN MAX.		56	A0	0		0 = regulation temperature 1 = evaporator temperature
4. Touch the UP or DOWN key within 15s to set *1" (activate writing) or *0" (deactivate writing).	Q,	2 CA1 0.0 3 CA2 0.0	cabinet probe offset -25 25 °C/°F if P4 = 3, air in probe offset evaporator probe offset -25 25 °C/°F	•3	57	A1	0.0	threshold for low temperature alarm	-99 99 °C/°F
5. Touch the ON/STAND-BY key (or do not operate for 60s) to exit the procedure.		-	evaporator probe offset -25 25 °C/°F auxiliary probe offset -25 25 °C/°F			•			

		0	low temperature alarm type	0 = disabled 1 = relative to setpoint 2 = absolute		N. 96	u1c	DEF.	relay K1 configuration (options 14 and 15 only available in	MIN MAX. 0 = first compressor 1 = second compressor		129	PAR. rE0 rE1	60	data-logo	OGGING EVLINK ger sampling int I temperature	terval	MIN MAX. 0 240 min 0 = none
9	A4	0.0	threshold for high temperature alarm	-99 99 °C/°F					EVJ234 and EVJ235)	2 = evaporator fan 3 = condenser fan	<u></u>					, , , , , , ,		2 = evaporator 3 = auxiliary
0	A 5	0	high temperature alarm type	0 = disabled 1 = relative to setpoint						4 = defrost 5 = cabinet light								4 = cabinet and evapo 5 = all
61	A6	120		2 = absolute 0 240 min						6 = demisting 7 = door heaters		131	PAR. LA	247		address		MIN MAX. 1 247
62	A7	15	after power-on high/low temperature alarms	0 240 min						8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1	Id	132	Lb	2	MODBUS	baud rate		0 = 2,400 baud 1 = 4,800 baud
63	A8	15	high temperature alarm delay after defrost	0 240 min						11= button-operated load 2 12= alarm		133	LP	2	parity			2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = ode
64	A9	15	high temperature alarm delay after door closing	0 240 min						13= on/stand-by 14= evaporator fan 2			PAR.		BLUETO	OTH.		2 = even MIN MAX.
65	A10	10	power failure duration for alarm recording (not available in	0 240 min		97	u2c	4	relay K2 configuration (options	15= defrost 2 0 = first compressor		$\overline{}$	bLE	1		port configura		0 = free 1 = forced for EVconr
			EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225)						14 and 15 only available in EVJ234 and EVJ235)	1 = second compressor2 = evaporator fan	*				COMICCIA	vity		EPoCA 2-99 = EPoCA local r
66	A11	2.0	high/low temperature alarms reset differential	1 15 °C/°F						3 = condenser fan 4 = defrost								address
67	A12	1	power failure alarm notification type (not available in EVJ203,	0 = HACCP LED 1 = HACCP LED + PF label +						5 = cabinet light 6 = demisting	9	ALARI	ИS					
			EVJ204, EVJ205, EVJ224 and EVJ225)	buzzer 2 = HACCP LED + PF label +						7 = door heaters 8 = heater for neutral zone 9 = dripping heater	COD.	DESC cabin		ON oe alarm		RESET automatic	TO CORE	
N.	PAR.	DEF.	FANS	buzzer (if duration > A10) MIN MAX.						10= button-operated load 1 11= button-operated load 2	Pr2 Pr3			probe ala obe alarr		automatic automatic	_	probe integrity electrical connection
68	FO	1	evaporator fan mode during normal operation	0 = off 1 = on 2 = on if compressor on						12= alarm 13= on/stand-by	rtc AL		alarm emper	ature ala	rm	manual automatic		, time and day of the w D, A1 and A2
				3 = thermoregulated (with regulation temperature						14= evaporator fan 2 15= defrost 2	AH id		tempe door a	rature al ılarm	arm	automatic automatic	check A	
				+ F1) 4 = thermoregulated (with regulation temperature		98	u3c	5	relay K3 configuration (options 14 and 15 only available in	0 = first compressor 1 = second compressor	PF	powe	r failui	e alarm		manual		electrical connection
				+ F1) if compressor on 5 = according to F6					EVJ234 and EVJ235)	2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light	CSd			nsation w nsation a		automatic manual	check Co	the device off and on
				6 = thermoregulated (with F1) 7 = thermoregulated (with							iA	multi	-purpo	se input	alarm	automatic	- check check i5	
69	F1	-4.0	threshold for evaporator fan	F1) if compressor on						6 = demisting 7 = door heaters	iSd			re alarm		manual	- check	the device off and on i5, i6, i8, i9
70	F2	0	operation	0 = off 1 = on						8 = heater for neutral zone 9 = dripping heater	LP			e alarm		automatic	check i5	
71	F3	2	defrost and dripping evaporator fan off maximum	2 = according to F0						10= button-operated load 1 11= button-operated load 2 12= alarm	C1t	alarm	1			automatic	check i5	
72	F4	30	time evaporator fan off time during	def. 0 in EVJ203 ed EVJ213	×					12= alarm 13= on/stand-by 14= evaporator fan 2	C2t	switc	h aları	n		automatic	check i5	
73	F5	30	energy saving evaporator fan on time during	if F0 ≠ 5 0 240 s x 10		99	u4c	2	relay K4 configuration (not	15= defrost 2	dFd			eout alar	ın	manual		d2, d3 and d11
74	F6	0	energy saving high/low humidity operation	if F0 ≠ 5 0 = low humidity (with F17			3.70		available in EVJ203 and EVJ213, options 14 and 15 only available	1 = second compressor	FUL Sd			alarm	alarr-	manual manual	replace i	space on the SD it e SD card or replace it
				and F18 if compressor off, on if compressor on)					in EVJ234 and EVJ235)	3 = condenser fan 4 = defrost	l				alarm ICATIO		insert tn	e SD card or replace it
75	F7	5.0	threshold for evaporator fan on							5 = cabinet light6 = demisting				rol devic			ction contro	ller
			after dripping (relative to setpoint)	,						7 = door heaters 8 = heater for neutral zone		uction		control	device		t-in electron	
76	F8	2.0	threshold for evaporator fan operation differential							9 = dripping heater 10= button-operated load 1			neat a	nd fire re		n-frame models		Open-frame board
77	F9	10	evaporator fan off delay after compressor off	if F0 = 2 or 5						11= button-operated load 2 12= alarm	Measur					els in plastic con	ntainer	111.4 x 76.4 x 48 (4 3/8 x 3 x 1 15/16 ir
78	F10	1	condenser fan mode	0 = thermoregulated (with F11) 1 = thermoregulated (with F11) if compressor off,						13= on/stand-by 14= evaporator fan 2					Open	n-frame models		101.0 x 67.0 x 47 (4 x 2 5/8 x 1 7/8 in)
				on if compressor on 2 = thermoregulated (with		100	u5c	3	relay K5 configuration (not	·	Mounti	-		s for th	he Mode	els in plastic con	ntainer	according to the mode installation on a pla
				F11) if compressor off, on if compressor on, off					available in EVJ203, EVJ213, EVJ204, EVJ214, EVJ214N7VXXRXV, EVJ224 and									metal panel (with holding flaps) or in
				during defrost, pre- dripping and dripping					EVJ234, options 14 and 15 only available in EVJ235)	4 = defrost								from behind a gla methacrylate panel
79	F11	15.0	threshold for condenser fan on							5 - cabinet light								
				0 99 °C/°F differential = 2 °C/4 °F					ŕ	5 = cabinet light 6 = demisting 7 = door heaters								biadhesive) customizi keys on the front of th
80	F12	30	condenser fan off delay after compressor off	differential = 2 °C/4 °F					ŕ	6 = demisting 7 = door heaters 8 = heater for neutral zone					Open	n-frame models		biadhesive) customizi keys on the front of the To be installed from
80 81	F12	30	*	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1						6 = demisting 7 = door heaters								biadhesive) customizi keys on the front of th To be installed from with threaded stud membrane keypad provided)
			compressor off evaporator fan off time with low	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s						6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by	Degree provide			protection protection		n-frame models els in plastic con	ntainer	biadhesive) customizing they son the front of the street o
81	F17	60	compressor off evaporator fan off time with low humidity evaporator fan on time with low	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s						6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2					on Mode	els in plastic con	ntainer	biadhesive) customizing keys on the front of the To be installed from with threaded studies the term of the term o
81 82 N.	F17 F18 PAR.	60 10 DEF.	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off		101	u2	0	enable cabinet light and button- operated load in stand-by	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no 1 = yes manual	provide	ed by t	he con	vering	on Mode	els in plastic con n-frame models	ntainer	biadhesive) customizing keys on the front of the To be installed from with threaded studing membrane keypad provided) 1865 (front), on conditional device is fitted to a panel with thickness (1/32 in) 1800
81 82 N.	F17 F18 PAR.	60 10 DEF.	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on		102	u4	1	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no 1 = yes manual 0 = no 1 = yes	Connect Fixed s wires u	ed by t	nethoo termir	vering al blocks by req	Open	n-frame models	ntainer m² (remova	biadhesive) customizing the son the front of the sustained from with threaded studies and provided) IP65 (front), on condictive is fitted to a panel with thickness (1/32 in) IP00 able screw terminal blocks
81 82 N.	F17 F18 PAR.	60 10 DEF.	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor		102	u4 u5	1 -1.0	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connec Fixed s wires u Pico-Bl	ed by to ction no ccrew up to 2 ade ccum pe	nethoo termir ,5 mm onnect	vering al blocks a by requor	Open Open s for wire uest)	n-frame models es up to 2.5 mr Micro	m² (remova	biadhesive) customizing keys on the front of the street of
81 82 N.	F17 F18 PAR.	60 10 DEF.	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off +		102	u4 u5 u6	1	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connec Fixed s wires u Pico-Bl Maximu Power:	ed by to ction in screw up to 2 ade ccum pe supply inputs	nethod termir ,5 mm onnect rmitte :: 10 n	vering lal blocks 2 by req or d length n (32.8 fi	Open Open s for wire uest) for connect	n-frame models es up to 2.5 mr Micro ection cables Anal Digit	m² (remova o-MaTch co logue inputs tal outputs:	biadhesive) customizing keys on the front of the seys of the s
81 82 N.	F17 F18 PAR.	60 10 DEF.	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS	differential = 2 °C/4 °F 0 240 s If P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off + cabinet light on 0 = with contact closed		102 103 104 105	u4 u5 u6 u7	1 -1.0 5 -5.0	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint)	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no 1 = yes manual 0 = no 1 = yes -99 99 °C/°F differential = 2 °C/4 °F 1 120 min -99 99 °C/°F differential = 2 °C/4 °F setpoint + u7	Connector Fixed s wires u Pico-Bl. Maximu Power: Digital Operat Storage	ed by to ction in screw and coum persupply inputs ing terme	nethoc termir ,5 mm onnect rmitte :: 10 n :: 10 n mpera peratu	vering al blocks 2 by req or d length n (32.8 fith	Open Open s for wire uest) for connect	els in plastic con n-frame models es up to 2.5 mi Micro ection cables Anal Digit Fron Fron	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55° n -25 to 70	biadhesive) customizing the sound in the sound is the sound in the sound in the sound is the sound in the sound in the sound in the sound is the sound in the sound in the sou
81 82 N. 83	F17 F18 PAR. iO	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off + cabinet light on		102	u4 u5 u6 u7	1 -1.0	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by 14 = evaporator fan 2 15 = defrost 2 0 = no	Connec Fixed s wires u Pico-Bl. Maximu Power : Digital Operat Storage	ed by tection in accrewing to 2 adde coum persupply inputs ing terming human in accretion.	nethoc termir ,5 mm nnect rmitte : 10 n :: 10 n mpera peratu midity	vering val blocks 2 by req or d length n (32.8 fit ture	Open Open s for wire uest) for connect	els in plastic con n-frame models es up to 2.5 mi Micro ection cables Anal Digit Fron Fron Rela 10 to	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55° n -25 to 70	biadhesive) customizing keys on the front of the customizing keys on the customizing keys of the customizing ke
82 N. 83	F17 F18 PAR. iO	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off + cabinet light on 0 = with contact closed 1 = with contact open -1 120 min -1 = disabled		102 103 104 105 106 N.	u4 u5 u6 u7	1 -1.0 5 -5.0 1 DEF.	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connec Fixed s wires u Pico-Bl. Maximu Power : Digital Operat Storage	ed by to the control of the control	methocotetrmire, 5 mm nnnectermittee: 10 nmpera i: 10 nmpera midity us of f	vering val blocks 2 by req or d length n (32.8 fit ture	Open S for wire uest) for connect t)	n-frame models es up to 2.5 mr Micro ection cables Anal Digit Fron Fron Rela 10 to 2	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 tive humid	biadhesive) customizi keys on the front of the To be installed from with threaded stud membrane keypad provided) IP65 (front), on conditional device is fitted to a panel with thickness (1/32 in) IP00 able screw terminal block of the first of the fir
81 82 N. 83 84 85	F17 F18 PAR. i0 i1	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 0 = with contact closed 1 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no 1 = yes	(L)	102 103 104 105 106 N.	u4 u5 u6 u7 u9 PAR. HrO	1 -1.0 5 -5.0 1 DEF.	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no 1 = yes manual 0 = no 1 = yes -99 99 °C/°F differential = 2 °C/4 °F 1 120 min -99 99 °C/°F differential = 2 °C/4 °F setpoint + u7 0 = no 1 = yes MIN MAX. 0 = no 1 = yes	Connector Fixed s wires u Pico-Bl. Maximu Power: Digital Operat Storage Operat Pollutic Conford RoHS 2	ed by the control of	method termin, 5 mm nnnect rmitte r: 10 n mpera peratu us of 1	vering val blocks 2 by req or d length n (32.8 fit ture	Open S for wire uest) for connect) t)	n-frame models es up to 2.5 mr Micro ection cables Anal Digit Fron Rela 10 to 2	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 utive humid o 90%	biadhesive) customizi keys on the front of the To be installed from with threaded stud membrane keypad provided) IP65 (front), on conditional device is fitted to a panel with thickness (1/32 in) IP00 able screw terminal blocknest of the first of the fitter of the f
81 82 N. 83 84 85 86	F17 F18 PAR. i0 i1 i1 i2 i3	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 0 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no		102 103 104 105 106 N. 107 N.	u4 u5 u6 u7 u9 PAR. Hr0 PAR. HE2	1 -1.0 5 -5.0 1 DEF. 1	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0)	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connector Fixed s wires u Pico-Bl. Maximu Power Digital Operat Storagu Operat Confort RoHS 2 REACH Power s	ed by 1 control of the control of t	nethocotermire, 5 mm onnection with the control of	rering all blocks 2 by req or d length in (32.8 fit ture re the contri	Open Sofor wire uest) for connecti) t) ol device	els in plastic con n-frame models es up to 2.5 mi Micro ection cables Anal Digit Fron Rela 10 to 2 WEE LVD	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 tive humid o 90%	biadhesive) customizing keys on the front of the customizing keys of the customizing keys of the customizing keys of the customizing keys on the customizing keys of the customizing keys on the customizing keys of the customizing keys of the customizing keys of the c
81 82 N. 83 84 85 86 87	F17 F18 PAR. i0 i1 i1 i2 i3 i4	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off + cabinet light on 0 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no		102 103 104 105 106 N. 107 108 N.	u4 u5 u6 u7 u9 PAR. Hr0 PAR. HE2 PAR.	1 -1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. 0 O O	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving time energy saving maximum duration	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connector Fixed s wires u Pico-Bl. Maximu Power: Digital Operat Storagu Operat Pollutic Conform RoHS 2 REACH Power: 230 VA max. 6	ed by the detection of	nethocote termir, 5 mm nector in 10 mm nector in 10 mm necessary in 10	al blocks al blocks al by req or d length al (32.8 fi ture fi ture fi ture fi ture fi ture fi	Open S for wire uest) for connect t) t) ol device 7/2006 0/60 Hz	els in plastic con n-frame models es up to 2.5 mr Micro ection cables Anal Digit Fron Rela 10 to 2 WEE LVD (±3 Hz), 115. Hz), EVJ2 @ 25	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55° n -25 to 70 utive humid o 90% 2014/35/U 230 VAC max. 6 v 215 with co	biadhesive) customizi keys on the front of the To be installed from with threaded studies and provided) IP65 (front), on conditional device is fitted to a panel with thickness (1/32 in) IP00 able screw terminal blockness and (32.8 ft) C (from 23 to 131 °F) °C (from -13 to 158 °F) lity without condensational conditional co
81 82 N. 83 84 85 86 87	F17 F18 PAR. i0 i1 i1 i2 i3 i4	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 0 = with contact closed 1 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no 1 = yes if i2 ≠ -1 and after i2 0 = disabled 1 = energy saving 2 = iA alarm 3 = iSd alarm 4 = button-operated load 1 on		102 103 104 105 106 N. 107 108 N. 109 110 N.	u4 u5 u6 u7 u9 PAR. Hr0 PAR. He2 PAR. H01 H02 PAR.	1 -1.0 5 -5.0 1 DEF. 0 DEF. 0	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving time energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connector Fixed s wires u Pico-Bl. Maximu Power: Digital Operat Storage Operat Pollutic Confort RoHS 2 REACH Power: 230 V/max. 6	ed by the ed by	methoc termire. ,5 mm nnector mitte : 10 n mpera peratu midity us of 1 55/CE Regula / / / / / / / / / / / / / / / / / /	rering all blocks all blocks by req or d length all (32.8 fi all (32.8 fi ture re tition 190 15%), 5i d or the costand vo	Open S for wire uest) for connect t) t) ol device 7/2006 0/60 Hz	n-frame models es up to 2.5 mr Micro ection cables Anal Digit Fron Rela 10 to 2 WEE LVD (±3 Hz), 115, Hz), EVJ2 @ 2!	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 titive humid o 90% 2014/35/U 230 VAC max. 6 \cdots 215 with col 50 VAC e	biadhesive) customizing biadhesive) customizing keys on the front of the street of the
81 82 N. 83 84 85 86 87	F17 F18 PAR. i0 i1 i1 i2 i3 i4	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 1 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no		102 103 104 105 106 N. 107 108 N. 109 110 N. 111 1112 113	u4 u5 u6 u7 u9 PAR. Hr0 PAR. He2 PAR. Ho1 Ho2 PAR. Hd1 Hd2 Hd3	1 -1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. 0 DEF. h-h-h-h-	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving time energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by 14 = evaporator fan 2 15 = defrost 2 0 = no	Connector Fixed swires un Pico-Bl. Maximum Power : Digital Operat Storagy Operat Pollutic Confort RoHS 2 REACH Power : 230 V/F max. 6	ed by the ed by	methocotermite services and services are services and services and services and services are ser	rering all blocks all blocks by req or d length all (32.8 fi all (32.8 fi ture re tition 190 15%), 5i d or the costand vo	Open Sofor wire uest) for connect) t) oldevice 7/2006 0/60 Hz ontrol dev	els in plastic con n-frame models es up to 2.5 mi Micro ection cables Anal Digit Fron Rela 10 tr 2 WEE LVD (±3 Hz), 115. Hz), EVJ2 @ 2; rice None 2.5 i	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 titve humid o 90% EE 2012/19/ 2014/35/U 230 VAC max. 6 N 215 with co 50 VAC e	biadhesive) customizing the seys on the front of the seys of t
81 82 N. 83 84 85 86 87	F17 F18 PAR. i0 i1 i1 i2 i3 i4	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 0 = with contact closed 1 = with contact open -1 120 min -1 = until the closing 0 = no 1 = yes if i2 ≠ -1 and after i2 0 = disabled 1 = energy saving 2 = iA alarm 3 = iSd alarm 4 = button-operated load 1 on 5 = button-operated load 2 on		102 103 104 105 106 N. 107 108 N. 109 110 N. 111 111 112 113	u4 u5 u6 u7 u9 PAR. Hr0 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5	1 -1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving time energy saving time energy saving time energy saving time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by 14 = evaporator fan 2 15 = defrost 2 0 = no	Connector Fixed s wires u Pico-Bl. Maximu Power: Digital Operat Storage Operat Storage Conformation RoHS 2 REACH Power: 230 V/max. 6	ed by the ed by	methocotermite services and services are services and services and services and services are ser	rering all blocks 2 by req or d length a (32.8 fi a (32.8 fi ture re tition 190 15%), 5d or the costand vo ory	Open Sofor wire uest) for connect) t) oldevice 7/2006 0/60 Hz ontrol dev	m-frame models es up to 2.5 mr Micro ection cables Anal Digit Fron Rela 10 tr 2 WEE LVD (±3 Hz), 115. Hz), EVJ2 @ 2! vice Nonn 2.5 l III A Inco not	m² (remova o-MaTch co logue inputs tal outputs: m -5 to 55 ° n -25 to 70 utive humid o 90% EE 2012/19/ 2014/35/U 230 VAC max. 6 \(\) 215 with co 50 VAC e KV	biadhesive) customizing biadhesive) customizing keys on the front of the seys of the s
81 82 N. 83 84 85 86 87	F17 F18 PAR. i0 i1 i1 i2 i3 i4	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no		102 103 104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114	u4 u5 u6 u7 u9 PAR. Hr0 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5	1 -1.0 5 -5.0 1 DEF. 0 DEF. 0 DEF. h-h-h-h-h-	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving time energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 6th daily defrost time DATA-LOGGING (not available in	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connector Fixed s wires u Pico-Bl. Maximu Power: Digital Operat Storage Operat Pollutio Conform RoHS 2 REACH Power: 230 V/max. 6	ed by the ed by	nethocotermitte is 10 n methocotermitte i	al blocks al blocks al blocks al by req or d length al (32.8 fi al	Open S for wire uest) for connect t) t) ol device 7/2006 0/60 Hz ontrol dev	els in plastic con n-frame models es up to 2.5 mr Micro ection cables Anal Digit Fron Rela 10 to 2 WEE LVD (±3 Hz), 115. Hz), EVJZ @ 2! rice None 2.5 i II A Inco not EVJZ ≤ 60	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 tilve humid o 90% 2014/35/U 230 VAC max. 6 v 215 with co 50 VAC e KV	biadhesive) customizing the secondary lithium battern in EVJ203, EVJ204, Int 25 °C (77 °F)
81 82 N. 83 88 88 88 88 88 88 88 88 88 88 88 88	F17 F18 PAR. i0 i1 i1 i2 i3 i4	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock) multi-purpose input function	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off + cabinet light on 0 = with contact closed 1 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no 1 = yes if i2 ≠ -1 and after i2 0 = disabled 1 = energy saving 2 = iA alarm 3 = iSd alarm 4 = button-operated load 1 on 5 = button-operated load 2 on 6 = device on/off 7 = LP alarm 8 = C1t alarm 9 = C2t alarm 0 = with contact closed		102 103 104 105 106 N. 107 N. 108 N. 111 112 113 114 115 116 N.	U4 U5 U6 U7 U9 PAR. Hr0 PAR. HE2 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR.	1 -1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving time energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 5th daily defrost time DATA-LOGGING (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225)	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by 14 = evaporator fan 2 15 = defrost 2 0 = no 1 = yes manual 0 = no 1 = yes -99 99 °C/°F differential = 2 °C/4 °F 1 120 min -99 99 °C/°F differential = 2 °C/4 °F setpoint + u7 0 = no 1 = yes MIN MAX. 0 = no 1 = yes	Connector Fixed swires un Pico-Bl. Maximum Power : Digital Operat Storagy Operat Storagy Operat 230 V/F max. 6	ed by to the control of the control	methoc terming, 5 mm onnect terming, 5 mm onnect terming, 5 mm onnect terming, 6 mm onnect terming, 10 mm onne	partial blocks are by requestion of the control of	Open Sofor wire uest) ool device 7/2006 O/60 Hz ontrol dev the abse	els in plastic con n-frame models es up to 2.5 mi Micro ection cables Anal Digit From Rela 10 tr 2 WEE LVD (±3 Hz), 115. Hz), EVJ2 vice None 2.5 l II A Inco not EVJ2 ence of a > 24	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 titve humid o 90% EE 2012/19/ 2014/35/U 230 VAC max. 6 N 215 with color 50 VAC e KV	biadhesive) customizing biadhesive) customizing keys on the front of the secondary lithium battern in EVJ203, EVJ204, in J225 bit 25 °C (77 °F)
81 82 N. 83 88 88 88 88 88 88 88 88 88 88 88 88	F17 F18 PAR. i0 i1 i2 i3 i4 i5	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock) multi-purpose input function	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 0 = with contact closed 1 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no		102 103 104 105 106 N. 107 108 N. 109 110 N. 111 111 112 113 114 115 116 N.	U4 U5 U6 U7 U9 PAR. Hr0 PAR. H61 H01 H02 Hd3 Hd4 Hd5 Hd6 PAR.	1 -1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. h-h-h-h-h-h-h-DEF. 30	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 6th daily defrost time 6th daily defrost time 0ATA-LOGGING (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) SD card writing interval in HACCP mode	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by 14 = evaporator fan 2 15 = defrost 2 0 = no	Connector Fixed swires un Pico-Bi. Maximum Power: Digital Operat Storage Operat Pollution Confort RoHS 2 REACH Power: 230 V/max. 6	ed by to the control of the control	nethocotermites, 5 mm onnection with the content of	al blocks al blocks al blocks al by req or d length al (32.8 fi al	Open Sofor wire uest) ool device 7/2006 O/60 Hz ontrol dev the abse	els in plastic con n-frame models es up to 2.5 m Micro cotion cables Anal Digit Fron Fron Rela 10 tr 2 (±3 Hz), 115. Hz), EVJ2 @ 2! vice Non 2.5 l III A Inco not EVJ2 ence of a > 24 t supp	m² (remova o-MaTch co logue inputs tal outputs: m -5 to 55 ° m -25 to 70 titive humid o 90% EE 2012/19/ 2014/35/U 230 VAC max. 6 N 215 with co 50 VAC e KV	biadhesive) customizing biadhesive) customizing keys on the front of the seys of the s
81 82 N. 83 884 885 886 887 888 889 990	F17 F18 PAR. i0 I1 i2 i3 i4 i5 i6 i7	60 10 DEF. 5 0 30 15 0 0 0	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock) multi-purpose input function multi-purpose input activation multi-purpose input activation	differential = 2 °C/4 °F 0 240 s If P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = with contact elosed 1 = until the closing 0 = no 1 = yes If i2 ≠ -1 and after i2 0 = disabled 1 = energy saving 2 = iA alarm 3 = iSd alarm 4 = button-operated load 1 on 5 = button-operated load 2 on 6 = device on/off 7 = LP alarm 8 = C1t alarm 9 = C2t alarm 0 = with contact closed 1 = with contact open 0 120 min If i5 = 3 or 7, compressor on delay after alarm reset 0 15		102 103 104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 N.	u4 u5 u6 u7 u9 PAR. Hr0 PAR. HE2 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR.	1 -1.0 5 -5.0 1 DEF. 0 DEF. 0 DEF. h-h-h-h-h-h-DEF. 30 1	enable cabinet light and buttonoperated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving time energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 6th daily defrost time 6th daily defrost time 6th daily defrost time 5Th daily defrost time 6Th daily defrost time	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connector Fixed s wires u Pico-Bl. Maximu Power: Digital Operat Storagu Operat Storagu Operat Pollutic Conforman. 6 Power: 230 VA max. 6 Earthin Rated i Over-v Softwa Clock de Clock de Clock de Analog	ed by to the control of the control	nethocotermite, 5 mm nnectormitte 10 nm nnectormitte 11 nm nnectormitte 12 10 nm nnectormitte 13 10 nm nnectormitte 14 10 nm nnectormitte 15 10 nm nnectormitte 16 10 nm nnectormitte 17 10 nm nnectormitte 18 10 nm nnector	al blocks al blocks al blocks al by req or d length al (32.8 fi ture f	Open S for wire uest) for connect t) t) ol device 7/2006 0/60 Hz ontrol dev iltage	## Properties of the propertie	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55° n -25 to 70 utive humid o 90% 2014/35/U 230 VAC max. 6 v 215 with co 50 VAC e KV	biadhesive) customiz keys on the front of the total customiz keys on the front of the total customiz keys on the front of the total customizer keys on the front of the total customizer keys of the keys of
81 82 N. 83 884 885 886 887 888 889 990	F17 F18 PAR. i0 I1 i2 i3 i4 i5 i6 i7	60 10 DEF. 5 0 30 15 0 0 0	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock) multi-purpose input function multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 0 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no 1 = yes if i2 ≠ -1 and after i2 0 = disabled 1 = energy saving 2 = iA alarm 3 = iSd alarm 4 = button-operated load 1 on 5 = button-operated load 2 on 6 = device on/off 7 = LP alarm 8 = C1t alarm 9 = C2t alarm 0 = with contact closed 1 = with contact open 0 15 0 = disabled if i5 = 3		102 103 104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N.	U4 U5 U6 U7 U9 PAR. Hr0 PAR. H61 H01 H02 Hd3 Hd4 Hd5 Hd6 PAR.	1 -1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. h-h-h-h-h-h-h-DEF. 30	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time DATA-LOGGING (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) SD card writing interval in HACCP mode SD card writing interval in service mode service mode duration enable critical temperature	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connector Fixed swires un Pico-Bi. Maximum Power: Digital Operat Storage Operat Pollution Confort RoHS 2 REACH Power: 230 V/max. 6	ed by to the control of the control	methoc terming, 5 mm onnect remitter: 10 n methoc termitter: 10 n mpera deratu midity midity sold for the control of the contr	al blocks 2 by request of dength in (32.8 fit ture) and (32.8 fit ture) are the control of the c	Open S for wire uest) for connect t) t) ol device 7/2006 0/60 Hz the abse	els in plastic con n-frame models es up to 2.5 mr Micro ection cables Anal Digit Fron Rela 10 to 2 WEE LVD (±3 Hz), 115, Hz), EVJ2 @ 2! rice None 2.5 i II A Inco not EVJ2 ence of a > 24 to supprocess 2 for evag KTY Fron	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 tive humid o 90% EE 2012/19/ 2014/35/U 230 VAC max. 6 ° 215 with co 50 VAC e KV orporated se available 224 and EV. 0 s/month a 4 h at 25 °C h (the batt or PTC or N' poorator prob 81-121 (99 n -50 to 150	biadhesive) customizing biadhesive) customizing keys on the front of the To be installed from with threaded studies and provided) IP65 (front), on condictive device is fitted to a panel with thickness of (1/32 in) IP00 able screw terminal block bias bias bias bias bias bias bias bias
81 82 N. 83 884 885 886 887 888 89 990 991	F17 F18 PAR. IO II	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input function door switch input activation open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock) multi-purpose input function multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm reset counter time for high	differential = 2 °C/4 °F 0 240 s If P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor		102 103 104 105 106 N. 107 N. 108 N. 111 112 113 114 115 116 N.	U4 U5 U6 U7 U9 PAR. Hr0 PAR. HE2 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. Sd0 Sd1	1 -1.0 5 -5.0 1 DEF. 0 DEF. h-h-h-h-h-h-h-h-h-DEF. 30 1 60	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving time energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 4th daily defrost time 5th daily defrost time 6th daily defrost time 6th daily defrost time DATA-LOGGING (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) SD card writing interval in HACCP mode SD card writing interval in service mode service mode duration enable critical temperature recording	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by 14 = evaporator fan 2 15 = defrost 2 0 = no	Connector Fixed s wires u Pico-Bl. Maximu Power: Digital Operat Storagu Operat Storagu Operat Pollutic Conforman. 6 Power: 230 VA max. 6 Earthin Rated i Over-v Softwa Clock de Clock de Clock de Analog	ed by to end by the end b	nethoc terming, 5 mm onnection in the control of th	al block: al block: by req or d length (32.8 fi ture fi (32.8 fi ture fi d length (32.8 fi ture fi ture fi ture fi al (32.8 fi ture fi ture fi ture fi al (32.8 fi ture fi ture fi ture fi al (32.8 fi ture fi ture fi ture fi al (32.8 fi ture fi ture fi ture fi al (32.8 fi ture fi ture fi ture fi al (32.8 fi ture fi ture fi ture fi al (32.8 fi ture fi ture fi ture fi al (32.8 fi ture fi ture	on Mode Open s for wire uest) for connect t) t) Oldevice 7/2006 O/60 Hz the abse	Micro Ses up to 2.5 mi Micro Ses up to 2.5 mi Micro Anal Digit Fron Rela 10 tr 2 WEE LVD (±3 Hz),	m² (remova o-MaTch co o-MaTch co ologue inputs tal outputs: m -5 to 55 ° m -25 to 70 titve humid o 90% EE 2012/19/ 2014/35/U 230 VAC max. 6 N 215 with coi 50 VAC e KV D symonth a 4 h at 25 °C h (the batt oly of the der PTC or N' poorator prok sorator prok 81-121 (99 m -50 to 15 °C (1 °F) 35 (10 K \(\text{\tex	biadhesive) customizing biadhesive) customizing keys on the front of the To be installed from with threaded studies and provided) IP65 (front), on condictive is fitted to a panel with thickness of (1/32 in). IP00 able screw terminal block in the provided is series in the provided in
81 82 N. 83 84 85 86 87 88 89 990 991 992 993	F17 F18 PAR. IO II	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input function open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock) multi-purpose input function multi-purpose input alarm delay number of multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm reset counter time for high pressure alarm door closed consecutive time for energy saving	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor + evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off, cabinet light on 0 = with contact closed 1 = with contact open -1 120 min -1 = disabled -1 120 min -1 = until the closing 0 = no 1 = yes if i2 ≠ -1 and after i2 0 = disabled 1 = energy saving 2 = iA alarm 3 = iSd alarm 4 = button-operated load 1 on 5 = button-operated load 2 on 6 = device on/off 7 = LP alarm 8 = C1t alarm 9 = C2t alarm 0 = with contact closed 1 = with contact closed 2 = vith contact closed 2 = vith contact closed		102 103 104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 N. 117 118 119 120	U4 U5 U6 U7 U9 PAR. Hr0 PAR. H61 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. Sd0 Sd1 Sd2 Sd3 Sd4 Sd5	1 -1.0 5 -5.0 1 DEF. 0 DEF. h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-1 60 0 0 1	enable cabinet light and buttonoperated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 5SD card writing interval in HACCP mode SD card writing interval in service mode service mode duration enable critical temperature recording enable cabinet temperature recording	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connector Fixed swires upon Pico-Bi. Maximum Power: Digital Operat Storage Operat Storage Operat Pollutic Conforman. 6 Power: 230 V/m max. 6 Power: Clock dock dock dock dock dock dock dock d	ed by to the state of the state	nethocotermines, 5 mm onnectormitte is 10 n mpera operatu midity us of 1 n mpera operatu midity of 1 n mpera operature midity of 1 n mperature midity of 1 n mperature midity of 1 n mperature midity operature midity of 1 n mperature midity operature midity	al blocks 2 by req or d length in (32.8 fit ture tree the contri tition 190 15%), 5d or the co stand vo ory structure momy in ling time assurements colution	on Mode Open s for wire uest) for connect t) t) Oldevice 7/2006 O/60 Hz the abse	els in plastic con n-frame models es up to 2.5 mr Micro Anal Digit Fron Rela 10 tr 2 (±3 Hz), 115. Hz), EVJ2 @ 2! vice None 2.5 A Inco not EVJ2 Sence of a > 24 tr supproper 2 for evaproper KTY Fron 0.1 6344 Fron 0.1 Control	m² (remova o-MaTch co logue inputs tal outputs: m¹-5 to 55° n¹-25 to 70 n¹-25 to 70 n¹-25 to 70 titive humid o 90% EE 2012/19/ 2014/35/U 230 VAC max. 6 \(\) 215 with co 50 VAC e KV orporated se available 224 and EV. 0 s/month a 4 h at 25° 0 h (the batt bly of the de or PTC or N' porator prob 81-121 (99 n²-50 to 156 °C (1°F) 35 (10 K□Ω n²-40 to 103° °C (1°F)	biadhesive) customizing biadhesive) customizing keys on the front of the To be installed from with threaded studies and provided) IP65 (front), on condictive device is fitted to a panel with thickness of (1/32 in) IP00 able screw terminal blood biades
81 82 N. 83 84 85 86 87 88 89 90 91 92 93	F17 F18 PAR. i0 i1 i2 i3 i4 i5 i6 i7 i8 i9 i10	60 10 DEF. 5 0 30 15 0 0 240 0	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input function door switch input function regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock) multi-purpose input function multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm reset counter time for high pressure alarm door closed consecutive time for energy saving	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s MIN MAX. 0 = disabled 1 = compressor		102 103 104 105 106 N. 107 108 N. 109 110 N. 111 115 116 N. 117 118 119 120 121 121 122 N.	U4 U5 U6 U7 U9 PAR. Hr0 PAR. He2 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. Sd0 Sd1 Sd2 Sd3 Sd4 Sd5 PAR. POF	1 -1.0 5 -5.0 1 DEF. 0 O DEF. h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving time energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 3rd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 6th daily defrost time DATA-LOGGING (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) SD card writing interval in HACCP mode SD card writing interval in service mode service mode duration enable critical temperature recording enable cabinet temperature recording decimal separator type SAFETIES enable ON/STAND-BY key	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by 14 = evaporator fan 2 15 = defrost 2 0 = no	Connector Fixed swires un Pico-Bl. Maximum Power: Digital Operat Storagy Operat Storagy Operat 230 V/max. 6	ed by to the control of the control	nethocotermines, 5 mm onnectormitte is 10 n mpera operatu midity us of 1 n mpera operatu midity of 1 n mpera operature midity of 1 n mperature midity of 1 n mperature midity of 1 n mperature midity operature midity of 1 n mperature midity operature midity	rering all blocks all blocks all by req or d length in (32.8 fit ture the contri tition 190 15%), 5d or the co stand vo ory structure nomy in hing time hasor type assurements	Open S for wire uest) for connect t) t) oldevice 7/2006 0/60 Hz the abse the abse ant field controlled	## Pront	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 titve humid o 90% EE 2012/19/ 2014/35/U 230 VAC max. 6 ° 215 with cor 50 VAC e KV orporated se available 224 and EV. 0 s/month a 4 h at 25 °C h (the batt bly of the de or PTC or N' porator prot 81-121 (99 n -50 to 150 °C (1 °F) ground to 100 °C (1 °F) y contact (c	biadhesive) customizing biadhesive) customizing keys on the front of the To be installed from with threaded study and provided) IP65 (front), on conditional device is fitted to a panel with thickness (1/32 in) IP00 able screw terminal block bias (1/32 in) able
81 82 N. 83 84 85 86 87 88 89 990 991 992 993	F17 F18 PAR. IO II	60 10 DEF. 5	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input function door switch input function regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock) multi-purpose input function multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm reset counter time for high pressure alarm door closed consecutive time for energy saving	differential = 2 °C/4 °F 0 240 s if P4 ≠ 1 0 240 s MIN MAX. 0 = disabled 1 = compressor		102 103 104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N. 117 118 119 120	U4 U5 U6 U7 U9 PAR. Hr0 PAR. He2 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. Sd0 Sd1 Sd2 Sd3 Sd4 Sd5 PAR. POF	1 -1.0 5 -5.0 1 DEF. 0 DEF. h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 5th daily defrost time 6th daily defrost time 5th daily defrost time 6th daily defrost time 5th daily defrost time 5th daily defrost time 5th daily defrost time 6th daily defrost time 6th daily defrost time 5th daily defrost time 5th daily defrost time 6th daily defrost time 5th daily defrost time 6th daily defrost time 7th daily defrost time 8th daily defrost time 8th daily defrost time 9th daily defrost time 9th daily defrost time 1th d	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by 14 = evaporator fan 2 15 = defrost 2 0 = no	Connector Fixed swires un Pico-Bl. Maximum Power : Digital Operat Storagy Operat Storagy Operat Storagy Operat Storagy Operat 230 V/max. 6 Earthin Rated i Over-v Softwa Clock but Digital Operat Storagy Operated Storagy Oper	ed by to end by the	nethoc terming, 5 mm onnector mitter in 10 nm onnector in in 10 nm onnector in	rering all blocks all blocks all by req or d length in (32.8 fit ture the contri tition 190 15%), 5d or the co stand vo ory structure nomy in hing time hasor type assurements	Open Sofor wire uest) ool device 7/2006 O/60 Hz ontrol dev iltage the abse ant field control dev control dev iltage control dev control dev iltage control dev control dev iltage con	els in plastic con n-frame models es up to 2.5 mr Micro ection cables Anal Digit From Rela 10 to 2 WEE LVD (±3 Hz), 115, Hz), EVJ2 @ 2! cice None 2.5 i II A Inco not EVJ2 ence of a > 24 to suppy 2 for evag KTY From 0.1 dr gact type er supply ection	m² (remova o-MaTch co logue inputs tal outputs: n -5 to 55 ° n -25 to 70 titve humid o 90% EE 2012/19/ 2014/35/U 230 VAC max. 6 N 215 with co 50 VAC e KV orporated se available 224 and EV. 0 s/month a 4 h at 25 °C h (the batt bly of the de r PTC or N porator prote 81-121 (99 n -50 to 150 °C (1 °F) 35 (10 K \(\triangle \tr	biadhesive) customizing biadhesive) customizing keys on the front of the secondary lithium battern in EVJ203, EVJ204, In Eviceo (170° F) core (from -18 to 302°
81 82 N. 83 84 85 86 87 88 89 90 91 92 93	F17 F18 PAR. i0 i1 i2 i3 i4 i5 i6 i7 i8 i9 i10	60 10 DEF. 5 0 30 15 0 0 240 0	compressor off evaporator fan off time with low humidity evaporator fan on time with low humidity DIGITAL INPUTS door switch input function door switch input function open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock) multi-purpose input function multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm reset counter time for high pressure alarm door closed consecutive time for energy saving number of door openings for defrost door open consecutive time for defrost door open consecutive time for defrost	differential = 2 °C/4 °F 0 240 s If P4 ≠ 1 0 240 s 0 240 s MIN MAX. 0 = disabled 1 = compressor		102 103 104 105 106 N. 107 108 N. 109 111 112 113 114 115 116 N. 117 118 119 120 121 122 N.	U4 U5 U6 U7 U9 PAR. Hr0 PAR. He2 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. Sd0 Sd1 Sd2 Sd3 Sd4 Sd5 PAR. POF	1 -1.0 5 -5.0 1 DEF. 0 DEF. h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h-h	enable cabinet light and button- operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration neutral zone threshold for heating (relative to setpoint) enable alarm buzzer REAL TIME CLOCK enable clock (default 0 in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 6th daily defrost time DATA-LOGGING (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) SD card writing interval in HACCP mode SD card writing interval in HACCP mode service mode duration enable critical temperature recording enable cabinet temperature recording decimal separator type SAFETIES enable ON/STAND-BY key enable keypad lock (default 0 in	6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 14= evaporator fan 2 15= defrost 2 0 = no	Connector Fixed s wires u Pico-Bl. Maximu Power: Digital Operat Storage Operat Storage Operat Pollutic Conforman. 6 Max.	ed by to ed and ed cours per ed to ed t	nethoc terming, 5 mm onnection in the control of th	rering all blocks all blocks all by req or d length in (32.8 fit ture the contri tition 190 15%), 5d or the co stand vo ory structure nomy in hing time hasor type assurements	on Mode Open S for wire uest) for connect t) t) ol device 7/2006 0/60 Hz ontrol dev iltage the absect ent field Contact Power Prote Inpui digitz	els in plastic con a-frame models es up to 2.5 mr Micro Continuous	m² (remova o-MaTch co	biadhesive) customizing biadhesive) customizing keys on the front of the To be installed from with threaded study membrane keypad provided) IP65 (front), on conditional device is fitted to a panel with thickness (1/32 in) IP00 able screw terminal blockness (1/32 in) able screw terminal blockness (1/32 in) IP00 able screw terminal blockness (1/32

EVCO S.p.A. EVJ 200 Instruction sheet ver. 4.0	Code 104J200E403 Page 4 of 4 PT 27/18						
	SPST, 30 A res. @ 250 VAC in						
	EVJ2?5?9??3???						
Relay K2	SPDT, 8 A res. @ 250 VAC						
Relay K3	SPST, 8 A res. @ 250 VAC						
Relay K4 (not available in EVJ203 and EVJ213)	SPST, 3 A res. @ 250 VAC						
Relay K5 (not available in EVJ203, EVJ213,	SPST, 3 A res. @ 250 VAC						
EVJ204, EVJ214, EVJ214N7VXXRXV, EVJ224							
and EVJ234)							
The device guarantees double insulation betw	een 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	С						
actions							
Displays	Custom display, 3 digit, with function icons						
Alarm buzzer	Incorporated						
Incorporated sensors:	Bluetooth Low Energy (available in						
	EVJ214N7VXXRXV, EVJ234 and EVJ235).						
Communications ports							
1 TTL MODBUS slave port for EVconnect app,	1 port for SD card data-logger module						
EPoCA remote monitoring system or for BMS	EVBD05 (not available in EVJ203, EVJ204,						
	1						

EVJ205, EVJ224 and EVJ225)

11 SIMPLIFIED EU DECLARATION OF CONFORMITY

EVCO S.p.A. declares that the type of radio equipment:

- EVJ214N7VXXRXV
- EVJ234N7VXRXV
- EVJ235N7VXRXV
- complies with directive 2014/53/EU and directive 2011/65/EU.

The full text of the EU declaration of conformity is available at the following internet address: https://www.evco.it/en/16111-evj-200

> For EVJ214N7VXXRXV, EVJ234 and EVJ235 According to European R&TTE Declaration of Conformity this device can be used in the following Countries: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Norway, Poland Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, The Netherlands and The United Kingdom.



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

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