

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).

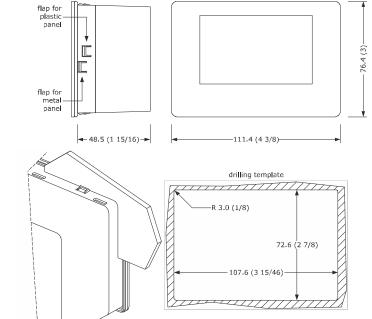
MEASUREMENTS AND INSTALLATION | Measurements in mm (inches

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).



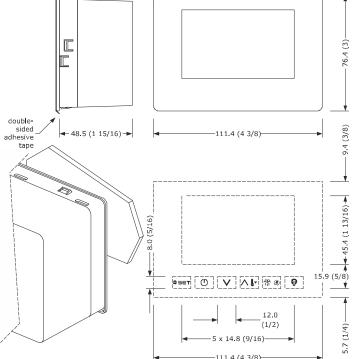
Models in plastic container installed from behind

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

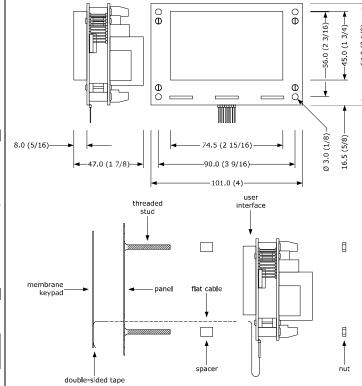


During the installation, exert a uniform and constant pressure about 30 s on the panel surface in contact with the biadhesive; later keep the device and the panel horizontally about 48 h at a temperature between 15 and 38 °C (59 and 100 °F).



Open-frame models

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



INSTALLATION PRECAUTIONS

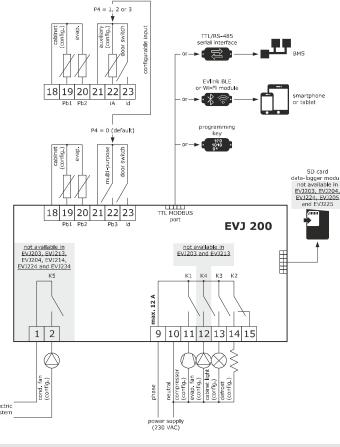
Ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFICATIONS section.

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 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.

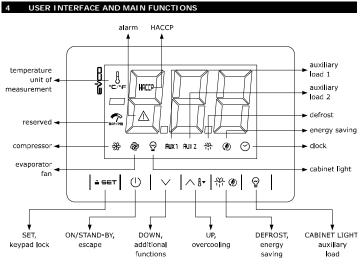
PAR.	DEF.	PARAMETER	MIN MAX.
SP	0.0	setpoint	r1 r2
P0	1	probe type	O = PTC 1 = NTC
P2	0	temperature unit of measurement	0 = °C 1 = °F
d1	0	defrost type	0 = electric 1 = hot gas
			2 = compressor stopped

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 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.

- 1	. •										
		, ,	alue ("cabinet temperature" default);								
if the display shows an alarm code, see the section ALARMS.											
LED	ON	OFF	FLASHING								
*	compressor on	compressor off	- compressor protection active								
7,7,7			- setpoint being set								
@	evaporator fan on	evaporator fan off	evaporator fan stop active								
3	cabinet light on	cabinet light off	cabinet light on by digital input								
	auxiliary function 1 on	auxiliary function 1 off	- auxiliary function 1 on by digital								
AUX 1			input								
			- auxiliary function 1 delay active								
	auxiliary function 2 on	auxiliary function 2 off	- auxiliary function 2 on by digital								
AUX 2			input								
			- auxiliary function 2 delay active								
*	defrost or pre-drip	-	- defrost delay active								
111	active		- dripping active								
	- energy saving active	-	-								
(2)	- low consumption										
	active										
(2)	view time	-	set date, time and day of the								
\bigcirc			current week								
·c/·F	view temperature	-	overcooling or overheating active								
НАССР	saved HACCP alarm	-	new HACCP alarm saved								
$\overline{\mathbb{A}}$	alarm active	-	-								
If Loc -	1 (dofault) and 20s have	alansed without the key	s boing proceed, the display will show								

If Loc = 1 (default) and 30s have elapsed without the keys being pressed, the display will show the "Loc" label and the keypad will lock automatically.

Unlock keypad

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

Set the setpoint (if r3 = 0, default)

Check t	hat the keypad isn't	locked.
1.	aset	Touch the SET key.
2.	√ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Touch the UP or DOWN key within 15s to set the value within th limits r1 and r2 (default "-40 50")
3.	Laset I	Touch the SET key (or do not operate for 15s).

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.

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

9 Touch the CABINET LIGHT key.

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

₽ 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.

5 ADDITIONAL FUNCTIONS

5.1 Activate/ deactivate overcooming and overneating									
Check that the keypad is not locked.									
1.	Touch the UP key for 2s.								
FUNCTION	CONDITION	CONSEQUENCE							
overcooling	r5 = 0 and defrost not	the setpoint becomes "setpoint -							
	active	r6", for the r7 duration							
overheating	r5 = 1	the setpoint becomes "setpoint +							

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
1.		Touch the DOWN key for 1s.
2.	√ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Touch the UP or DOWN key within 15s to select the label "rH".
3.	aset	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).

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

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

1004 d EV 100E)		File na					5	PO Pd		probe type	0 = PTC
J224 and EVJ225) ad isn't locked.	Example	001	the de	evice	written in HACCP mode (e.g. the file "log001_2015_03_26.csv"). address is 1 (parameter LA)		7	P1 P2	0	temperature unit of	$\begin{array}{ccc} 0 &= no & 1 &= yes \\ 0 &= {}^{\circ}C & 1 &= {}^{\circ}F \end{array}$
Touch the DOWN key for 1s.		2015 03	the fil	le wa	s written in 2015 s written in March		8	P3	1	measurement evaporator probe function	0 = disabled 1 = defrost + fan
Touch the UP or DOWN key within 15s to select a label.	Evampl	26	•		s written on 26 March 2015 me written in HACCP mode (e.g. the file "log001_2015_m03.csv").		9	P4	0	configurable input function	2 = fan 0 = digital input
v HACCP alarm information	Example	001	the de	evice	address is 1 (parameter LA)		,	14		(option 4 only available in	1 = condenser probe
		m03								EVJ235)	3 = air out probe 4 = evaporator 2 probe
₹	Exampl	le of a f									if P4 = 3, regulation temperat = product temperature (CPT)
label "LS") or to set "149" (to select label "rLS").			the fil	le wa	s written in 2015		10	P5	0	value displayed	0 = regulation temperatur 1 = setpoint
temperature alarm			-								2 = evaporator temperatu
·				-							3 = auxiliary temperature 4 = air in temperature
234 and EVJ235 or in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225 with	1.	<u> </u>	\vee		Touch the DOWN key for 1s.		''	P/	50	product temperature (CPT)	0 100 % CPT = {[(P7 x (inlet air T) [(100 - P7) x (outlet air T)
1	2.	√	<u> </u>	﴿ا	Touch the UP or DOWN key within 15s to select the label "Err".						100}
1 ,	3.	1 2	SET		Touch the SET key.	_	12 N.	P8 PAR.			0 250 s : 10 MIN MAX.
the procedure.	4.	f	<u> </u>	﴿ا	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, proportion
formation (e.g. a high temperature alarm).		LAB.	+				14	r1	-40	minimum setpoint	-99 °C/°F r2
critical value (calculated cabinet/product temperature) was 8.0 °C/°F		Sd	SD card	l not	-		15 16	r2 r3	50.0 0		r1 199 °C/°F 0 = no 1 = yes
available in EVJ213, EVJ214, EVJ214N/VXXRXV, EVJ215, EVJ234	5.	(ا <u>ن</u>		• • • • • • • • • • • • • • • • • • • •	*	17 18	r4 r5			0 99 °C/°F 0 = cooling
nterface EVIF25TBX connected)				uratio	on parameters						1 = heating 0 99 °C/°F
03 alarm signalled in March	1.		1							overcooling/overheating	0 240 min
16 alarm signalled at 16:00	2.		SET		Touch the SET key.	-	21	r12	1	position of the r0 differential	0 = asymmetric
30 Lalarm signalled at 16:30	3.	·		وا	•	-	N.	PAR.	DEF.		1 = symmetric MIN MAX.
01 alarm lasted 1h	4.	1.			Touch the SET key (or do not operate for 15s): the display will	-			0	power-on	
e compressor functioning hours	5.	1		اوا		-	23	C1	5	delay between 2 compressor switch-ons	0 240 min
i [<u> </u>		SET		· · ·	-	24 25	C2 C3	3	'	0 240 min 0 240 s
	-			IA	•	-	26	C4	10	compressor off time during cabinet probe alarm	0 240 min
· · · · · · · · · · · · · · · · · · ·		1	<u> </u>		<u> </u>	-	27	C5	10	compressor on time during	0 240 min
v compressor functioning hundreds of hours	.	+-	<u> </u>			-	28	C6	80.0	threshold for high condensation	0 199 °C/°F differential = 2 °C/4 °F
	9.	= 9	SET		, , , , , , , , , , , , , , , , , , , ,		29	C7	90.0	threshold for high condensation	
1 , , , , , , , , , , , , , , , , , , ,						,	30	C8	1	high condensation alarm delay	0 15 min
Touch the UP or DOWN key to set "149" (to select rCH).										·	0 999 h x 100 0 = disabled
Touch the SET key.		N.B.	ho dovico	is co	procted to the interface EV/E2ETDV, do not disconnect the device]	32	C11	10 2	compressor hours weight for	0 240 s 0 10
Touch the ON/STAND-BY key (or do not operate for 60s) to exit the procedure.	Ö,	fror	m the ma							-	BHC = $\{[C12 \times (compre hours)] + [C13]$
mperature detected by the probes	~	- If th	he device							EVJ224, EVJ225, EVJ234 and EVJ235)	(compressor switch-ons)]
1						1	34	C13	1	compressor hours switch-ons for balancing hours and switch-ons	
1		that the	keypad is	sn't l							hours)] + [C13 (compressor switch-ons)]
·		<u>-</u>	<u> </u>	l _*	•	-	35	C14	1	EVJ235)	
net temperature (if P4 = 0, 1 or 2)	.	1 2				-				available in EVJ224, EVJ225,	
porator temperature (if P3 = 1 or 2)				IA	·	-	N.	PAR.		DEFROST (if r5 = 0)	MIN MAX.
• • •			V		•	-		40		automatio demost interval	0 = only manual if d8 = 3, maximum interv
1 ,	J.	LAB.				1	37	d1	0	defrost type	0 = electric 1 = hot gas
the procedure.		n d	_	_		-	20	42	2.0	throughold for defract and	2 = compressor stopped
		h	time (00	0 2	3)	-	39	d3	30		-99 99 °C/°F 0 99 min
mation	6.	1.	1	()	Touch the SET key: the display will show the label for the day of	-	40	d4		·	se P3 = 1, maximum dura 0 = no
HACCP or service mode.	7.	1	<u> </u>		Touch the UP or DOWN key within 15s to set the day of the	-	41	d6	1	value displayed during defrost	0 99 min 0 = regulation temperatu
AMETER MIN MAX.		LAB.		PTIO							1 = display locked 2 = dEF label
		tuE	Tuesday	у		-	43	d7 d8	0	dripping time defrost interval counting mode	0 15 min 0 = device on hours
9		UEd thu		_		-					1 = compressor on hours 2 = hours evapor
		Fri Sat	Friday Saturda	ny		-					temperature < d9 3 = adaptive (if P4 =
		Sun	Sunday			-					device on hours) 4 = real time
	8.	<u> </u>	SET		Touch the SET key: the device will exit the procedure.	-	45	d9	0.0	evaporation threshold for automatic defrost interval	-99 99 °C/°F
AACCP mode		1	a 1							counting	
HACCP mode dole is always activated, it generates a daily file and a monthly file.	9.		(U)		Touch the ON/STAND-BY key to exit the procedure beforehand.		46	d11	0	enable defrost timeout alarm	0 - no 1 - ves
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. perature (if Sd4 = 1, default " no ")		Reset	the facto	ory s		•,•	46	d11 d15	0	enable defrost timeout alarm compressor on consecutive time	0 = no 1 = yes -20 99 min
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. perature (if Sd4 = 1, default " no ") perature (if Sd3 = 1, default " no ") ned on/off	7.3	N.B.			ettings	1 .	47	d15	0	compressor on consecutive time for hot gas defrost	-20 99 min if negative values, dura dripping heater on
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. berature (if Sd4 = 1, default "no") erature (if Sd3 = 1, default "no") ed on/off ated/completed by activated/deactivated	7.3	N.B. Check				1 .	47	d15	0	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost	-20 99 min if negative values, dura dripping heater on 0 99 min
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. berature (if Sd4 = 1, default "no") erature (if Sd3 = 1, default "no") ened on/off ated/completed ig activated/deactivated ted/restored y restored	7.3	N.B. Check PARAM	that the		ory settings are appropriate; see the section CONFIGURATION	1 .	47	d15	0	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evap
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. perature (if Sd4 = 1, default "no") perature (if Sd3 = 1, default "no") ned on/off ated/completed ag activated/deactivated ted/restored by restored a written for each piece of information.	7.3	N.B. Check PARAM	that the		ory settings are appropriate; see the section CONFIGURATION Touch the SET key for 4s: the display will show the label "PA".	1 .	48	d15 d16 d18	0 0 40	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evap tor temperature < d22 0 = only manual
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. berature (if Sd4 = 1, default "no") ereature (if Sd3 = 1, default "no") end on/off ated/completed ag activated/deactivated ted/restored y restored s written for each piece of information. service mode ode must be manually activated.	1.	N.B. Check PARAM	that the	e fac	ory settings are appropriate; see the section CONFIGURATION Touch the SET key for 4s: the display will show the label "PA". Touch the SET key.	1 .	47	d15	0 0 40	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation)	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evap tor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. berature (if Sd4 = 1, default "no") erature (if Sd3 = 1, default "no") med on/off ated/completed ig activated/deactivated ted/restored is written for each piece of information. service mode ode must be manually activated. in service mode. detected by all probes	7.3 1. 2. 3.	N.B. Check PARAM	s that the METERS. SET	e fac	ory settings are appropriate; see the section CONFIGURATION Touch the SET key for 4s: the display will show the label "PA".	1 .	48	d15 d16 d18	0 0 40 3.0	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evapt tor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora temperature - d19 0 999 min
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. perature (if Sd4 = 1, default "no") perature (if Sd3 = 1, default "no") perature (if Sd4 = 1, default "no") perature (if Sd	1. 2. 3. 4.	N.B. Check PARAM	set SET SET SET	e fac	ory settings are appropriate; see the section <i>CONFIGURATION</i> Touch the SET key for 4s: the display will show the label "PA". Touch the SET key. Touch the UP or DOWN key within 15s to set "149". Touch the SET key (or do not operate for 15s): the display will show the label "dEF".	1 .	47 48 49 50	d16 d18 d19	0 0 40 3.0	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evap tor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora temperature - d19
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. berature (if Sd4 = 1, default "no") ereature (if Sd3 = 1, default "no") end on/off ated/completed ag activated/deactivated ted/restored by restored by written for each piece of information. service mode ode must be manually activated. in service mode. detected by all probes dele probes end on/off /off ated/completed	1. 2. 3. 4.	N.B. Check PARAM	SET SET SET	fac	ory settings are appropriate; see the section <i>CONFIGURATION</i> Touch the SET key for 4s: the display will show the label "PA". Touch the SET key. Touch the UP or DOWN key within 15s to set "149". Touch the SET key (or do not operate for 15s): the display will show the label "dEF". Touch the SET key.	1 .	48 49 50	d16 d18 d19	0 0 40 3.0	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evaptor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora temperature - d19 0 999 min 0 = disabled 0 500 min
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. berature (if Sd4 = 1, default "no") erature (if Sd3 = 1, default "no") hed on/off ated/completed tg activated/deactivated ted/restored verstored veritten for each piece of information. bervice mode ode must be manually activated. in service mode. detected by all probes lie probes hed on/off /off ated/completed tg activated/deactivated ted/restored	1. 2. 3. 4. 5. 6.	N.B. Check PARAM	SET SET SET SET	fac	ory settings are appropriate; see the section <i>CONFIGURATION</i> Touch the SET key for 4s: the display will show the label "PA". Touch the SET key. Touch the UP or DOWN key within 15s to set "149". Touch the SET key (or do not operate for 15s): the display will show the label "dEF". Touch the SET key. Touch the UP or DOWN key within 15s to set "1".	1 .	48 49 50	d16 d18 d19	0 0 40 3.0 180 200	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time for defrost after power-on and	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evaptor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora temperature - d19 0 999 min 0 = disabled 0 500 min if (regulation temperature
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. berature (if Sd4 = 1, default "no") erature (if Sd3 = 1, default "no") hed on/off ated/completed ig activated/deactivated ted/restored y restored written for each piece of information. service mode ode must be manually activated. in service mode. detected by all probes led probes hed on/off /off ated/completed ig activated/deactivated	1. 2. 3. 4. 5. 6. 7.	N.B. Check PARAM	SET SET SET SET SET SET	i fact	ory settings are appropriate; see the section CONFIGURATION Touch the SET key for 4s: the display will show the label "PA". Touch the SET key. Touch the UP or DOWN key within 15s to set "149". Touch the SET key (or do not operate for 15s): the display will show the label "dEF". Touch the SET key. Touch the SET key. Touch the UP or DOWN key within 15s to set "1".	1 .	48 49 50 51 52	d15 d16 d18 d19 d20 d21	0 0 40 3.0 180 200	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive defrost interval counting	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evaptor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora temperature - d19 0 999 min 0 = disabled 0 500 min if (regulation temperatus setpoint) > 10 °C/20 °F 0 = disabled -10 10 °C/°F optimal evapora
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. berature (if Sd4 = 1, default "no") berature (if Sd3 = 1, default "no") bered on/off ated/completed ig activated/deactivated ted/restored is written for each piece of information. bervice mode ode must be manually activated. in service mode. detected by all probes lie probes ned on/off off ated/completed ig activated/deactivated ted/restored g activated/deactivated ted/restored g activated/deactivated ted/restored g restored	1. 2. 3. 4. 5. 6. 7. 8.	N.B. Check PARAM	SET SET SET SET SET SET	ly ower	ory settings are appropriate; see the section CONFIGURATION Touch the SET key for 4s: the display will show the label "PA". Touch the SET key. Touch the UP or DOWN key within 15s to set "149". Touch the SET key (or do not operate for 15s): the display will show the label "dEF". Touch the SET key. Touch the UP or DOWN key within 15s to set "1". Touch the SET key. Touch the SET key (or do not operate for 15s). supply to the device. Touch the SET key for 2s before action 6 to exit the procedure		48 49 50 51 52	d16 d18 d19 d20 d21	0 0 40 3.0 180 200	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive defrost interval counting (relative to optimal evaporation temperature)	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evaptor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora temperature - d19 0 999 min 0 = disabled 0 500 min if (regulation temperatur setpoint) > 10°C/20 °F 0 = disabled -10 10 °C/°F optimal evapora temperature + d22
ode is always activated, it generates a daily file and a monthly file. In HACCP mode. Derature (if Sd4 = 1, default "no") Deret of old in the control of state of the control of	1. 2. 3. 4. 5. 6. 7.	N.B. Check PARAM	SET SET SET SET SET SET Upt the pounds in the pound in the pound in the pounds in the pound in the pounds in the pounds in the pounds in the pound in the pound in the pounds in the pound in	ly ower	ory settings are appropriate; see the section CONFIGURATION Touch the SET key for 4s: the display will show the label "PA". Touch the SET key. Touch the UP or DOWN key within 15s to set "149". Touch the SET key (or do not operate for 15s): the display will show the label "dEF". Touch the SET key. Touch the SET key. Touch the SET key. Touch the SET key. Touch the SET key (or do not operate for 15s): supply to the device.		47 48 49 50 51 52 53	d16 d18 d19 d20 d21 d22	0 0 40 3.0 180 200	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive defrost interval counting (relative to optimal evaporation temperature) enable air out probe for defrost during evaporator probe alarm	-20 99 min if negative values, dura dripping heater on 0 99 min 0 99 min if compressor on + evaptor temperature < d22 0 = only manual 0 40 °C/°F optimal evaporatemperature - d19 0 999 min 0 = disabled 0 500 min if (regulation temperature setpoint) > 10 °C/20 °F 0 = disabled -10 10 °C/°F optimal evaporatemperature + d22 0 = no 1 = yes
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. Derature (if Sd4 = 1, default "no") Derature (if Sd3 = 1, default "no") Derature (if Sdault)	1. 2. 3. 4. 5. 6. 7. 8. 9.	N.B. Check PARAM	SET SET SET SET SET SET SET SET	l sower	ory settings are appropriate; see the section CONFIGURATION Touch the SET key for 4s: the display will show the label "PA". Touch the SET key. Touch the UP or DOWN key within 15s to set "149". Touch the SET key (or do not operate for 15s): the display will show the label "dEF". Touch the SET key. Touch the UP or DOWN key within 15s to set "1". Touch the SET key. Touch the SET key (or do not operate for 15s). supply to the device. Touch the SET key for 2s before action 6 to exit the procedure		48 49 50 51 52	d16 d18 d19 d20 d21	0 0 40 3.0 180 200	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive defrost interval counting (relative to optimal evaporation temperature) enable air out probe for defrost during evaporator probe alarm	-20 99 min if negative values, dura dripping heater on 0 99 min 0 99 min if compressor on + evaptor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora temperature - d19 0 999 min 0 = disabled 0 500 min if (regulation temperatur setpoint) > 10°C/20 °F 0 = disabled -10 10 °C/°F optimal evapora temperature + d22 0 = no 1 = yes 0 99 h 0 = only manual
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. Derature (if Sd4 = 1, default "no") Derature (if Sd3 = 1, default "no") Derature (if Sda = 1, default "no")	1. 2. 3. 4. 5. 6. 7. 8. 9.	N.B. Check PARAM	SET	by faction of the power of the	ory settings are appropriate; see the section CONFIGURATION Touch the SET key for 4s: the display will show the label "PA". Touch the SET key. Touch the UP or DOWN key within 15s to set "149". Touch the SET key (or do not operate for 15s): the display will show the label "dEF". Touch the SET key. Touch the UP or DOWN key within 15s to set "1". Touch the SET key (or do not operate for 15s). Supply to the device. Touch the SET key for 2s before action 6 to exit the procedure beforehand.		47 48 49 50 51 52 53 54 55 N.	d15 d16 d18 d19 d20 d21 d22 d25 d26 PAR.	0 0 40 3.0 180 200 -2.0 0 6	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive defrost interval counting (relative to optimal evaporation temperature) enable air out probe for defrost during evaporator probe alarm defrost interval during evaporator probe alarm	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evapitor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora temperature - d19 0 999 min 0 = disabled 0 500 min if (regulation temperatur setpoint) > 10 °C/20 °F 0 = disabled -10 10 °C/°F optimal evapora temperature + d22 0 = no 1 = yes 0 99 h 0 = only manual if d25 = 1 MIN MAX.
ode is always activated, it generates a daily file and a monthly file. in HACCP mode. Derature (if Sd4 = 1, default "no") Derature (if Sd3 = 1, default "no") Derature (if Sdault)	1. 2. 3. 4. 5. 6. 7. 8. 9.	N.B. Check PARAM	SET	Dower ON F	ory settings are appropriate; see the section CONFIGURATION Touch the SET key for 4s: the display will show the label "PA". Touch the SET key. Touch the UP or DOWN key within 15s to set "149". Touch the SET key (or do not operate for 15s): the display will show the label "dEF". Touch the SET key. Touch the SET key. Touch the UP or DOWN key within 15s to set "1". Touch the SET key (or do not operate for 15s). supply to the device. Touch the SET key for 2s before action 6 to exit the procedure beforehand. ARAMIETERS SETPOINT MIN MAX.		47 48 49 50 51 52 53 54 55	d16 d18 d19 d20 d21 d22 d25 d26	0 0 40 3.0 180 200 -2.0	compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive defrost interval counting (relative to optimal evaporation temperature) enable air out probe for defrost during evaporator probe alarm defrost interval during evaporator probe alarm	-20 99 min if negative values, dura dripping heater on 0 99 min 0 999 min if compressor on + evap- tor temperature < d22 0 = only manual 0 40 °C/°F optimal evapora temperature - d19 0 999 min 0 = disabled 0 500 min if (regulation temperatur setpoint) > 10 °C/20 °F 0 = disabled -10 10 °C/°F optimal evapora temperature + d22 0 = no 1 = yes 0 99 h 0 = only manual if d25 = 1
	WHACCP alarm information Touch the SET key. Touch the SET key. Touch the UP or DOWN key to select an alarm code (to select label "LS") or to set "149" (to select label "rLS"). GRIPTION Touch the UP or DOWN key to select label "rLS"). GRIPTION Temperature alarm In door alarm (if id = 1) Touch the SET key. Touch the DOWN key for 15. Set alarm signalled in 2015. Set alarm signalled at 16.03. Touch the DOWN key key for 15. Touch the DOWN key key for 15. SET	the HACCP alarm information the HACCP alarm information the HACCP alarm information Touch the SET key. To	### ACCP alarm information to the ACCP alarm information to the ACCP alarm information Touch the UP or DOWN key to select an alarm code (to select label "LS") or to set "149" (to select label "LS"). **CRIFTION** **CRIFTION** **CRIFTION** **CRIPTICAL STATE ALARM STA	VENACCP Jamm information I Touch the SET key. Touch the UP or DOWN key to select an alarm code (to select label "rLS") or to sel' *149" (to select label "rLS"). CORRETION Temperature alarm Indoor alarm (f.14 - 1) Touch the SET key. Touch the UP or DOWN key within 15s to select a label. CORRETION **Correction**	VHACCP larm information I Touch the SET key. I Touch the UP or DOWN key to select an alarm code (to select label **TLS*) or to sell **149** (to select label **TLS*). I Touch the UP or DOWN key to select an alarm code (to select label **TLS*) or to sell **TLS* or to sell **TLS*). I Touch the UP or DOWN key to select label **TLS*). I Touch the SET key. I Touch the SET key. I Touch the ONYSTAND-BY key (or do not operate for 60s) to exit the procedure. I Select **Septical or 2.6 before **Select alabel.** I Select **Septical or 2.6 before **Select alabel.** I Select **Septical or 2.6 before **Select alabel.** COMPTION I Select **Septical or 2.6 before **Select alabel.** COMPTION I Souch the UP or DOWN key within 15s to select a label. COMPTION I Touch the UP or DOWN key to self **149** (to select rCH).** I Touch the UP or DOWN key to self **149** (to select rCH).** I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key to self **149** (to select rCH).** I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit the procedure. I Touch the UP or DOWN key (or do not operate for 60s) to exit th	A CONTROL OF ABOUT MINISTER STATE AND THE ST	Secretary internations of the control of the contro	Miles of the Control of Control September 2015 Septem		March Marc	Secretary 1.5 Control of the Secretary 1.5 Control of th

	A2	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		N. 129 130	rE0 rE1		data-logg	GGING EVLINK ger sampling int temperature	
9	A4	0.0	threshold for high temperature alarm	-99 99 °C/°F					EVJ234 and EVJ235)	2 = evaporator fan 3 = condenser fan						,	2 = evaporator 3 = auxiliary
0	A5	0	high temperature alarm type	0 = disabled 1 = relative to setpoint						4 = defrost 5 = cabinet light							4 = cabinet and evapor 5 = all
51	A6	120	high temperature alarm delay	2 = absolute 0 240 min						6 = demisting 7 = door heaters		131	PAR. LA	247	MODBUS MODBUS	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	ld	132	Lb	2	MODBUS	baud rate	0 = 2,400 baud 1 = 4,800 baud
63	A8	15	high temperature alarm delay	0 240 min						11= button-operated load 2 12= alarm							2 = 9,600 baud 3 = 19,200 baud
64	A9	15	after defrost high temperature alarm delay after door closing	0 240 min						13= on/stand-by 14= evaporator fan 2		133	LP		parity	NT11	0 = none 1 = od 2 = even
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	[$\overline{}$	PAR. bLE	1		oort configura	
			EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225)						14 and 15 only available in EVJ234 and EVJ235)	1 = second compressor 2 = evaporator fan	*				connectiv	ліу	1 = forced for EVcon EPoCA 2-99 = EPoCA local i
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 A	LARI	ЛS				
			EVJ204, EVJ205, EVJ224 and EVJ225)	buzzer 2 = HACCP LED + PF label +						7 = door heaters 8 = heater for neutral zone			RIPTI et pro	ON be alarm		RESET automatic	TO CORRECT - check P0
N.	PAR.	DEF.	FANS	buzzer (if duration > A10) MIN MAX.						9 = dripping heater 10= button-operated load 1				probe ala obe alarr		automatic automatic	check probe integrity check electrical connection
68	FO	1	evaporator fan mode during normal operation	0 = off 1 = on 2 = on if compressor on						11= button-operated load 2 12= alarm 13= on/stand-by	rtc AL		alarm	ature ala	rm	manual automatic	set date, time and day of the w check A0, A1 and A2
				3 = thermoregulated (with regulation temperature						14= evaporator fan 2 15= defrost 2	AH id		tempe door	rature ala	arm	automatic automatic	check A4 and A5 check i0 and i1
				+ F1) 4 = thermoregulated (with		98	u3c	5	relay K3 configuration (options 14 and 15 only available in	0 = first compressor 1 = second compressor	PF	powe	r failu	e alarm		manual	touch a key check electrical connection
				regulation temperature + F1) if compressor on					EVJ234 and EVJ235)	2 = evaporator fan 3 = condenser fan	-			nsation w		automatic manual	check C6 - switch the device off and on
				5 = according to F6 6 = thermoregulated (with F1)						4 = defrost 5 = cabinet light	iA	multi	-purpo	se input	alarm	automatic	- check C7 check i5 and i6
40	F	4.0	throchold for a	7 = thermoregulated (with F1) if compressor on						6 = demisting 7 = door heaters	iSd			re alarm		manual	- switch the device off and on - check i5, i6, i8, i9
69 70	F1	-4.0	threshold for evaporator fan operation	-99 99 °C/°F 0 = off 1 = on						8 = heater for neutral zone 9 = dripping heater	LP	low p	ressui	e alarm		automatic	check i5 and i6
70 71	F2 F3	2	evaporator fan mode during defrost and dripping evaporator fan off maximum	2 = according to F0						10= button-operated load 1 11= button-operated load 2	C1t	comp alarm		therma	l switch	automatic	check i5 and i6
/1 72	F3	30	time evaporator fan off maximum evaporator fan off time during	def. 0 in EVJ203 ed EVJ213	×					12= alarm 13= on/stand-by	C2t		nd cor	•	thermal	automatic	check i5 and i6
73	F4 F5	30	evaporator fan off time during energy saving evaporator fan on time during	if F0 ≠ 5				_		14= evaporator fan 2 15= defrost 2				eout aları	m	manual	- touch a key - check d2, d3 and d11
74	F6	30	evaporator fan on time during energy saving high/low humidity operation	0 240 s x 10 if F0 ≠ 5 0 = low humidity (with F17		99	u4c	2	relay K4 configuration (not available in EVJ203 and EVJ213,	1 = second compressor	FUL					manual	free up space on the SD replace it
74	10		Ingrition Harmany operation	and F18 if compressor off, on if compressor on)					options 14 and 15 only available in EVJ234 and EVJ235)	3 = condenser fan				inserted		manual	insert the SD card or replace it
75	F7	5.0	threshold for evaporator fan on	1 = high humifity (on)						4 = defrost 5 = cabinet light	10	TECH	VI CAI	. SPECIF	ICATIO		
75	' '	3.0	after dripping (relative to setpoint)							6 = demisting 7 = door heaters 8 = heater for neutral zone				control d			ction controller -in electronic device
76	F8	2.0	threshold for evaporator fan operation differential	1 15 °C/°F						9 = dripping heater	Contair	ier				els in plastic con n-frame models	Black, self-extinguishin Open-frame board
77	F9	10	evaporator fan off delay after compressor off	0 240 s if F0 = 2 or 5						10= button-operated load 1 11= button-operated load 2 12= alarm	Catego	_		nd fire re		D els in plastic con	stainer 111.4 x 76.4 x 48
78	F10	1	condenser fan mode	0 = thermoregulated (with F11) 1 = thermoregulated (with						13= on/stand-by 14= evaporator fan 2					Open	-frame models	(4 3/8 x 3 x 1 15/16 ir 101.0 x 67.0 x 47
				F11) if compressor off, on if compressor on		100	u5c	3	relay K5 configuration (not	15= defrost 2	Mountir	ng m	ethod	s for th	ne Mode	els in plastic con	(4 x 2 5/8 x 1 7/8 in) atainer according to the mode
				2 = thermoregulated (with F11) if compressor off,		100	usc	3	available in EVJ203, EVJ213,	1 = second compressor	control	devic	е			·	installation on a pla metal panel (with
				on if compressor on, off					EVJ204, EVJ214, EVJ214 and	3 = condenser fan							holding flaps) or in from behind a gla
79	F11	15.0	threshold for condenser fan on	during defrost, pre- dripping and dripping 0 99 °C/°F					EVJ234, options 14 and 15 only available in EVJ235)	4 = defrost 5 = cabinet light							methacrylate panel biadhesive) customizi
80		30	condenser fan off delay after	differential = 2 °C/4 °F						6 = demisting 7 = door heaters 8 = heater for neutral zone					Open	ı-frame models	keys on the front of th
81	F17	60	compressor off evaporator fan off time with low	if P4 ≠ 1						9 = dripping heater 10= button-operated load 1							with threaded stud membrane keypad
82	F18	10	humidity evaporator fan on time with low							11= button-operated load 2 12= alarm	Degree		of	protection	on Mode	els in plastic con	provided) Itainer IP65 (front), on condi
	PAR.	DEF.	humidity DIGITAL INPUTS	MIN MAX.						13= on/stand-by 14= evaporator fan 2	provide	d by t	he co	vering			device is fitted to a panel with thickness (
	iO	5	door switch input function	0 = disabled 1 = compressor +		101	u2	0	enable cabinet light and button-	15= defrost 2					Open	-frame models	(1/32 in)
N. 83		5		l '						0 = no $1 = yes$	Connec						IP00
N.		3		evaporator fan off 2 = evaporator fan off		102	u4	1	operated load in stand-by enable alarm output off silencing	0 = no 1 = yes manual 0 = no 1 = yes					s for wire	es up to 2.5 mr	m² (removable screw terminal blo
N.		3		evaporator fan off 2 = evaporator fan off 3 = cabinet light on 4 = compressor +		102	u4 u5	-1.0	operated load in stand-by	manual	Fixed s	crew p to 2	termir ,5 mn	al blocks 12 by req		<u> </u>	
N.		3		2 = evaporator fan off 3 = cabinet light on		103	u5 u6		operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on demisting on duration	manual 0 = no 1 = yes -99 99 °C/°F differential = 2 °C/4 °F 1 120 min	Fixed s wires u Pico-Bla Maximu Power s	crew p to 2 ade co um pe supply	termir ,5 mn nnect rmitte :: 10 r	nal blocks n² by requor or d length n (32.8 ft	uest) for conne	Micro	m² (removable screw terminal blo o-MaTch connector ogue inputs: 10 m (32.8 ft)
N. 83		3		2 = evaporator fan off 3 = cabinet light on 4 = compressor + evaporator fan off, cabinet light on 5 = evaporator fan off + cabinet light on		103	u5 u6	-1.0	operated load in stand-by enable alarm output off silencing the buzzer threshold for door heaters on	manual 0 = no 1 = yes -99 99 °C/°F differential = 2 °C/4 °F	Fixed s wires u Pico-Bla Maximu Power s	crew p to 2 ade co um pe supply inputs	termir ,5 mn nnect mitte : 10 r : 10 r	nal blocks n² by requor d length n (32.8 ft n (32.8 ft	uest) for conne	Micro ection cables Anal Digit	m² (removable screw terminal blo
N 83	i1	0	door switch input activation	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		103 104 105	u5 u6 u7	-1.0 5 -5.0	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	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	Fixed s wires u Pico-Bla Maximu Power s Digital i	crew p to 2 ade co um pe supply inputs ng tel e temp	termir ,5 mn nnect rmitte : 10 r : 10 r mpera peratu	nal blocks n² by requor d length in (32.8 ft ture	uest) for conne	Micro ection cables Anal Digit From From Rela	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensal
N. 83	i1 i2	0 30	open door alarm delay	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		103 104 105	u5 u6 u7 u9 PAR.	-1.0 5 -5.0	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	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.	Fixed s wires u Pico-Bla Maximu Power s Digital i Operati	crew p to 2 ade co um pe supply inputs ng tel e temp	termir ,5 mn nnect mitte : 10 r : 10 r peratu midity	nal blocks n² by req or d length n (32.8 ft n (32.8 ft ture	uest) for conne	Micro ection cables Anal Digit From From Rela	o-MaTch connector logue inputs: 10 m (32.8 ft) ral outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F)
N. 83 84 85	i1 i2 i3	0 30 15	open door alarm delay regulation inhibition maximum time with door open	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		103 104 105 106 N.	u5 u6 u7 u9 PAR. HrO	-1.0 5 -5.0 1 DEF.	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)	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	Pollutio Conform	p to 2 ade co um pe supply inputs ng ter e temp ng hu n stat mity 011/6	termir, 5 mn onnect rmitter: 10 r: 10 rmpera peratumidity us of	nal blocks all blocks all blocks all blocks all blocks all blocks all control all blocks	for conne	Micro ciction cables Anal Digit From From Rela 10 to 2	m² (removable screw terminal blo o-MaTch connector logue inputs: 10 m (32.8 ft) tal outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensat o 90%
N. 83	i1 i2	0 30	open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the	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	(<u>)</u>	103 104 105 106 N. 107	u6 u7 u9 PAR. Hr0	-1.0 5 -5.0 1 DEF. 1	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	manual 0 = no	Pixed s wires u Pico-Bla Maximu Power s Digital i Operati Storage Operati Pollutio Conforr RoHS 2 REACH	p to 2 ade co um pe supply inputs ng tel e temp ng hu n stat mity 011/6 (EC) supply	termir, 5 mn sinnect rmitter: 10 r sinner a peratu midity us of segular	all blocks 2 by req or d length n (32.8 ft) ture re	for connects to the connects t	Micro ection cables Anal Digit From Rela 10 to 2 WEE LVD	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensate o 90% LE 2012/19/EU 2014/35/UE
N. 83 84 85	i1 i2 i3	0 30 15	open door alarm delay regulation inhibition maximum time with door open enable open door alarm	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 \neq -1 and after i2 0 = disabled	*	103 104 105 106 N. 107 N. 108 N.	u6 u7 u9 PAR. Hr0 PAR. HE2 PAR.	-1.0 5 -5.0 1 DEF. 1	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)	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 MIN MAX. 0 999 min MIN MAX.	Pixed s wires u Pico-Bla Maximu Power s Digital i Operati Storage Operati Pollutio Conforr RoHS 2 REACH	crew p to 2 ade cc ade cc um pe supply inputs ng tel e temp ng hu 11/6 (EC) supply C (+*)	termin, 5 mn mnect mitter in 10 mnect in 1	all blocks all blocks all by requor d length an (32.8 fit all (32.8 fit ture are the control attorn 190 15%), 56	for conne	Micro ection cables Anal Digit From Rela 10 to 2 WEE LVD (±3 Hz), 115. Hz),	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) tal outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensate o 90% EE 2012/19/EU 2014/35/UE 230 VAC (+10% -15%), 50/60 max. 6 VA insulated in EVJ2
N. 83 84 85 86	i1 i2 i3 i4	0 30 15 0	open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	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		103 104 105 106 N. 107 N. 108 N.	u5 u6 u7 u9 PAR. Hr0 PAR. HE2 PAR.	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. 0	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	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power s Operati Storage Operati Conforr RoHS 2 REACH Power s 230 VA max. 6	p to 2 ade cc ade c	termir, termir, s mnnnect mitter in the control of	all blocks 2 by req or d length in (32.8 fit ture tre whe control attion 190 15%), 50 d	for conne (i) (i) (ii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (Micro ciction cables Anal Digit From Rela 10 tr 2 WEE LVD (±3 Hz), 115. Hz), EVJ2 @ 25	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensate o 90% EE 2012/19/EU 2014/35/UE 230 VAC (+10% -15%), 50/60 max. 6 VA insulated in EVJ2 215 with compressor relay rated 1650 VAC
N. 83 84 85 86	i1 i2 i3 i4	0 30 15 0	open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	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	*	103 104 105 106 N. 107 N. 108 N. 109 110 N.	u5 u6 u7 u9 PAR. Hr0 PAR. HE2 PAR. H01 H02 PAR. Hd1	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. 0 DEF.	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	manual 0 = no	Powers Pollutio Conform ROHS 2 REACH Powers 230 VA max. 6	crew p to 2 ade cc um pe supplying ter ng ter ng ter ng ter	termit, 5 mn nnect rmitte : 10 r : 10 r mpera peratu midity us of Regula 10% - sulate	all blocks 2 by req or d length in (32.8 fit ture re the control 15%), 56 d or the co stand vo	for conne (i) (i) (ii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (iii) (Micro ciction cables	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) lal ou
N. 83 84 85 86	i1 i2 i3 i4	0 30 15 0	open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	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 \neq -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	*	103 104 105 106 N. 107 N. 108 N. 109 110 N. 111 112 113	u6 u7 u9 PAR. Hr0 PAR. HE2 PAR. H01 H02 PAR. Hd1 Hd2 Hd3	-1.0 5 -5.0 1 DEF. 0 DEF. 0 DEF. h-h-	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	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 MIN MAX. 0 999 min MIN MAX. 0 23 h 0 24 h MIN MAX. h- = disabled h- = disabled h- = disabled	Fixed s wires u Pico-Bla Maximu Power s Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operat	crew p to 2 ade cc um pe supply inputs ng tele e templ ng hu n stat mity 011/6 (EC) supply C (+ VA in	termir, 5 mn nnect rmitte : 10 r : 10 r mpera peratu midity us of Regula 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% -	all blocks 2 by req or d length in (32.8 fit ture re the control 15%), 56 d or the co stand vo	for connection of the connecti	Micro cotion cables	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensate on 90% lie 2012/19/EU 2014/35/UE 230 VAC (+10% -15%), 50/60 max. 6 VA insulated in EVJ2/215 with compressor relay rated 1650 VAC le EVI
N. 83 84 85 86	i1 i2 i3 i4	0 30 15 0	open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	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	•	103 104 105 106 N. 107 N. 108 N. 110 111 112 113 114 115	u6 u7 u9 PAR. Hr0 PAR. He2 PAR. Ho1 Ho2 PAR. Hd1 Hd2 Hd3 Hd4 Hd5	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. h-h-h-h-h-	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	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power s Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Storage Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operati Operat	crew p to 2 ade cc um pe supply inputs ng tele e templ ng hu n stat mity 011/6 (EC) supply C (+ VA in	termir, 5 mn nnect rmitte : 10 r : 10 r mpera peratu midity us of Regula 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% - 10% -	all blocks 2 by req or d length in (32.8 fit n (32.8 fit ture re dition 190 15%), 50 d or the co stand vo ory	for connection of the connecti	Micro Section cables	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) tal outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensate o 90% EE 2012/19/EU 2014/35/UE 230 VAC (+10% -15%), 50/60 max. 6 VA insulated in EVJ20 215 with compressor relay rated 16 50 VAC e KV rporated secondary lithium batter available in EVJ203, EVJ204, I
N. 83 84 85 86	i1 i2 i3 i4	0 30 15 0	open door alarm delay regulation inhibition maximum time with door open enable open door alarm recording (not available in the models without clock)	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	•	103 104 105 106 N. 107 N. 108 N. 109 110 N. 111 112 113 114	u6 u7 u9 PAR. Hr0 PAR. He2 PAR. Ho1 Ho2 PAR. Hd1 Hd2 Hd3 Hd4 Hd5	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. 0 DEF. h-h-h-h-	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	manual 0 = no	Pollutio Conform RAHS 2 230 VA max. 6 Earthin Rated ii Over-ve Softwar Clock Clock d	p to 2 ade cc um pe supply inputs n g tel n g tel n g tel color n stat mity 011/6 (EC) supply CC (++ VA in g met mpuls color g met mpuls color	termin, 5 mn mnect termin, 5 mn mnect termin mnect termin	all blocks 2 by req or d length in (32.8 fit in (32.8 fit ture re whe control ation 190 15%), 50 d or the co stand vo ory structure	ol device 7/2006 0/60 Hz	Micro ciction cables	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) lal ou
N. 83 84 85 86 87	i1 i2 i3 i4 i5	0 30 15 0	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	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	•	103 104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N.	U5 U6 U7 U9 PAR. Hr0 PAR. HE2 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR.	-1.0 5 -5.0 1 DEF. 0 DEF. 0 DEF. h- h- h- h- h- DEF.	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 DATA-LOGGING (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225)	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 MIN MAX. 0 999 min MIN MAX. 0 23 h 0 24 h MIN MAX. h-= disabled	Fixed s wires u Pico-Bla Maximu Power s Operati Storage Operati	p to 2 adde cc m pe supply in pe temping hu n stat mity 011/6((EC)) supply aC (+) VA in mpulsibilitage re class rift batter supply	termin,5 mn ,5 mn nnect rmitter :: 10 r mperatu midity us of .55/CE Regula .60% -60% -60% -60% -60% -60% -60% -60% -	all blocks 2 by req or d length in (32.8 fit in (32.8 fit ture re whe control 15%), 50 d or the co stand vo ory structure	for connective states of the s	Micro Section cables	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) lal ou
N. 83 84 85 86 87	i1 i2 i3 i4 i5 i6	0 30 15 0	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	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	•	104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N.	u6 u7 u9 PAR. Hr0 PAR. He2 PAR. Ho1 Ho2 PAR. Hd3 Hd4 Hd5 Hd6 PAR.	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. 0 DEF. h- h- h- h- h- 1 DEF. 30	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 0ATA-LOGGING (not available in EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) SD card writing interval in HACCP mode	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power s Digital i Storage Operati	p to 2 p	termin,5 mn nnect nnnect rmitte : 10 r : 10 r midity us of 55/CE Regula 10% - sulate hods 1 e-with category charges and	all blocks 2 by req or d length in (32.8 fit in (32.8 fit ture re whe control ation 190 15%), 50 d or the co stand vo ory structure	for connective states of the s	Micro Section cables	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) tal outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensation on the secondary of the secondary lithium batter available in EVJ203, EVJ204, in the secondary lithium batter available in EVJ203, EVJ204, in the secondary lithium batter available in EVJ205 °C (77 °F) in (the battery is charged by the old of the device)
N. 83 84 85 86 87 88	i1 i2 i3 i4 i5 i6 i7	0 30 15 0	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	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 0 120 min if i5 = 3 or 7, compressor on delay after alarm reset 0 15	•	104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N.	U5 U6 U7 U9 PAR. Hr0 PAR. H62 PAR. H01 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. Sd0 Sd1	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. h- h- h- h- h- 1 DEF. 30	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 EVJ203, EVJ204, EVJ205, EVJ224 and EVJ225) SD card writing interval in HACCP mode SD card writing interval in service mode	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power's Digital i Operati Storage Operati Pollutio Conforr RoHS 2 REACH Power's 230 VA max. 6 Earthin Rated ii Over-ve Softwai Clock Clock d Clock b Analoge	p to 2 ade compete supply inputs no state with the compete supply inputs no state with the compete supply inputs no state with the compete supply inputs inputs no state with the compete supply inputs input	termii, 5 mn nnect nninect inninect inn	all blocks 2 by requer or display the control of th	for conne (f) (f) (f) (f) (f) (f) (f) (f) (f) (f)	Micro Anal Digit From Rela 10 tr 2 WEE LVD (±3 Hz), 115. Hz), EVJ2 @ 28 ice None 2.5 II A Inco not EVJ2 ≤ 60 ence of a > 24 supp 2 for evap	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) lal ou
N. 83 84 85 86 87 88	i1 i2 i3 i4 i5 i6 i7 i8	0 30 15 0	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	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	•	104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N.	u6 u7 u9 PAR. Hr0 PAR. He2 PAR. Ho1 Ho2 PAR. Hd3 Hd4 Hd5 Hd6 PAR.	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. 0 DEF. h- h- h- h- h- 1 DEF. 30	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 4th 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	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power s Digital i Storage Operati	p to 2 ade compete supply inputs no state with the compete supply inputs no state with the compete supply inputs no state with the compete supply inputs inputs no state with the compete supply inputs input	termin,5 mn ,5 mn	all blocks 2 by req or d length in (32.8 ft) in (32.8 ft) ture re dition 190 15%), 50 d or the control structure re nomy in ging time	for conne (i) (i) (ii) (iii) (Micro cotion cables	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) lal ou
N. 83 84 85 86 87 88 89 90	i1 i2 i3 i4 i5 i6 i7 i8	0 30 15 0	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	2 = evaporator fan off 3 = cabinet light on 4 = compressor	•	104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N.	U5 U6 U7 U9 PAR. Hr0 PAR. HO1 H02 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. Sd0 Sd1	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. h- h- h- h- h- 1 DEF. 30 1	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 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 5th daily defrost time 6th daily defrost time 5th daily defros	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power's Digital i Operati Storage Operati Pollutio Conforr RoHS 2 REACH Power's 230 VA max. 6 Earthin Rated ii Over-ve Softwai Clock Clock d Clock b Analoge	p to 2 ade cc im pe supply in pe temping hu in stat inity old (EC) supply in C (+ VA in in the control of the c	termin,5 mn innect inne	all blocks 2 by req or d length in (32.8 fit in (32.8 fit ture re whe control 15%), 56 d or the co stand vo ory structure nomy in sping time assor type assurement colution assor type	for connective states of the s	Micro Anal Digit From From Rela 10 to 2	m² (removable screw terminal bloo-MaTch connector ogue inputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensa o 90% EE 2012/19/EU 2014/35/UE 230 VAC (+10% -15%), 50/60 max. 6 VA insulated in EVJ2 215 with compressor relay rated 1 50 VAC e KV erroorated secondary lithium batter available in EVJ203, EVJ204, 224 and EVJ225) 0 s/month at 25 °C (77 °F) en (the battery is charged by the objy of the device) r PTC or NTC probes (cabinet proporator probe) 81-121 (990 \(\Omega \) @ 25 °C, 77 °F) en -50 to 150 °C (from -58 to 302 °C c (1 °F) 35 (10 K\(\Omega \) @ 25 °C, 77 °F)
N. 83 84 85 86 87 88 89 990 91	i1 i2 i3 i4 i5 i6 i7 i8 i9	0 30 15 0 0	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	2 = evaporator fan off 3 = cabinet light on 4 = compressor	•	104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N. 117 118	U5 U6 U7 U9 PAR. Hr0 PAR. He2 PAR. Ho1 Ho2 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. Sd0 Sd1 Sd2 Sd3 Sd4	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. h- h- h- h- h- h- 1 DEF. 30 1 60 0	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 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 recording enable cabinet temperature recording decimal separator type	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power s Operati Storage Operati	p to 2 ade cc im pe supply in pe temping hu in stat inity old (EC) supply in C (+ VA in in the control of the c	termin,5 mn nnect nnnect rmitte : 10 r : 10 r inperatu midity us of 55/CE Regula 60% - sulate hods 1 r charge r duto r charge uts Se Me Re Re Re Re Me	all blocks 2 by req or d length in (32.8 fit in (32.8 fit ture re whe control 15%), 50 d or the co stand vo ory structure nomy in ging time assurements colution	for connective states of the s	Micro Section cables	m² (removable screw terminal bloo-MaTch connector ogue inputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensa o 90% EE 2012/19/EU 2014/35/UE 230 VAC (+10% -15%), 50/60 max. 6 VA insulated in EVJ2 215 with compressor relay rated 1 50 VAC e KV erroorated secondary lithium batter available in EVJ203, EVJ204, 224 and EVJ225) 0 s/month at 25 °C (77 °F) en (the battery is charged by the objy of the device) r PTC or NTC probes (cabinet proporator probe) 81-121 (990 \(\Omega \) @ 25 °C, 77 °F) en -50 to 150 °C (from -58 to 302 °C c (1 °F) 35 (10 K\(\Omega \) @ 25 °C, 77 °F)
N. 83 84 85 86 87 88 89 990 91	i1 i2 i3 i4 i5 i6 i7 i8 i9	0 30 15 0 0	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	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 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay after alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after regulation temperature < SP 0 = disabled	•	104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N. 117 118 119 120 121	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	-1.0 5 -5.0 1 DEF. 0 DEF. 0 DEF. h- h- h- h- h- 0 DEF. 30 1	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 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 service mode enable critical temperature recording	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power s Operati Storage Operati	p to 2 ade complete supply inputs a temply supply inputs a temply supply inputs a temply inputs inputs inputs a temply inputs a temply inputs input	termin,5 mn nnectrimites: 10 r innectrimites:	all blocks 2 by req or d length in (32.8 fit ture re whe control (35.8 fit ture re che control (35.8 fit ture che control (35.8 fit	for connection of the connecti	Micro Anal Digit From Rela 10 to 2 WEE LVD (±3 Hz), 115. Hz), EVJ2 @ 2! ice None 2.5 III A Inco not EVJ2 ≤ 60 evap KTY From 0.1 ° 6343 From 6343 From 6.1 ° 6.1 ° 6.1 ° 6.3 ° 6.3 ° 6.3 ° 6.4 ° 7.5 ° 8343 6.5 ° 8343 6.7 ° 7.7 ° 8343 845 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850 850	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °F tive humidity without condensate o 90% LE 2012/19/EU 2014/35/UE LE 2012/19/EU 2
N. 883 884 885 886 886 889 899 990 991 991 993 993	i1 i2 i3 i4 i5 i6 i7 i8 i9 i10 i13	0 30 15 0 0 0	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 pressure alarm door closed consecutive time for energy saving	2 = evaporator fan off 3 = cabinet light on 4 = compressor	•	104 105 106 N. 107 108 N. 109 110 N. 111 112 113 114 115 116 N. 117 118 119 120	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	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. 0 DEF. h- h- h- h- h- DEF. 30 1 60 0 0 1 DEF.	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 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 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 the models with open-frame user	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power's Digital i Storage Operati Pollutio Conforr RoHS 2 REACH Power's 230 VA max. 6 Earthin Rated ii Over-vi Softwal Clock d Clock d Clock b Analogu PTC pro	p to 2 ade complete supply inputs a temply supply inputs a temply supply inputs a temply inputs inputs inputs a temply inputs a temply inputs input	termin,5 mn nnectrimites: 10 r innectrimites:	all blocks 2 by req or d length in (32.8 fit ture re whe control (35.8 fit ture re che control (35.8 fit ture che control (35.8 fit	for connection of the content of the	Micro cotion cables	m² (removable screw terminal blood-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) lal o
N. N	i1 i2 i3 i4 i5 i6 i7 i8 i9 i10 i13	0 30 15 0 0 0	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	2 = evaporator fan off 3 = cabinet light on 4 = compressor	•	104 105 106 N. 107 108 N. 109 110 N. 111 111 112 113 114 115 116 N. 117 118 119 120 121 122 N.	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	-1.0 5 -5.0 1 DEF. 1 DEF. 0 DEF. 0 DEF. h- h- h- h- h- DEF. 30 1 60 0 0 1 DEF.	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 4th 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 service mode service mode service mode cabinet temperature recording enable cabinet temperature recording decimal separator type SAFETIES enable ON/STAND-BY key enable keypad lock (default 0 in	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power's Digital i Storage Operati Pollutio Conforr RoHS 2 REACH Power's 230 VA max. 6 Earthin Rated ii Over-vi Softwal Clock d Clock d Clock b Analogu PTC pro	crew p to 2 ade course property p to 2 ade course p to 2	termin,5 mn innect inne	all blocks 2 by req or d length in (32.8 fit ture re whe control (35.8 fit ture re che control (35.8 fit ture che control (35.8 fit	the absertant field Conta Power Protes Input	Micro Anal Digit From Rela 10 to 2	m² (removable screw terminal bloo-MaTch connector logue inputs: 10 m (32.8 ft) lal outputs: 10 m (32.8 ft) lal ou
N. N	i1 i2 i3 i4 i5 i6 i7 i8 i9 i10 i13	0 30 15 0 0 0	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	2 = evaporator fan off 3 = cabinet light on 4 = compressor	•••	104 105 106 N. 107 108 N. 109 110 N. 111 111 112 113 114 115 116 N. 117 118 119 120 121 122 N.	U5 U6 U7 U9 PAR. Hr0 PAR. He2 PAR. Ho1 Ho2 PAR. Hd4 Hd5 Hd6 PAR. Sd0 Sd1 Sd2 Sd3 Sd4 Sd5 PAR. POF Loc	-1.0 5 -5.0 1 DEF. 0 DEF. 0 DEF. h- h- h- h- h- DEF. 30 1 DEF. 30 1 DEF. 1 1 DEF.	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 ime 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 6th daily defrost time 6th daily defrost time 5th daily defrost time 6th daily defrost time 6th daily defrost time 6th daily defrost time 7th daily defrost time 8th daily defrost time 9th daily defrost time 6th daily defrost time 9th daily defrost time 1th daily defrost ti	manual 0 = no	Fixed s wires u Pico-Bla Maximu Power s Operati Storage Operation Oper	p to 2 ade complete supply inputs	termin,5 mn innect inne	all blocks 2 by req or d length in (32.8 fit ture re whe control (35.8 fit ture re che control (35.8 fit ture che control (35.8 fit	the absertant field Contar Power Protes Input digital 5 5 (4	Micro Anal Digit From Rela 10 to 2 WEE LVD (±3 Hz), 115. Hz), EVJ2 @ 2! ice None 2.5 Ill A Inco not EVJ2 ≤ 60 evap KTY From 0.1 or 6343 From 1 dract type er supply for EVJ204, Extraction for EVJ204, Extraction Extraction	m² (removable screw terminal bloo-MaTch connector ogue inputs: 10 m (32.8 ft) n -5 to 55 °C (from 23 to 131 °F) n -25 to 70 °C (from -13 to 158 °I tive humidity without condensa o 90% EE 2012/19/EU 2014/35/UE 230 VAC (+10% -15%), 50/60 max. 6 VA insulated in EVJ2 215 with compressor relay rated 1 50 VAC e KV reporated secondary lithium batter available in EVJ203, EVJ204, 224 and EVJ225) 0 s/month at 25 °C (77 °F) n (the battery is charged by the objy of the device) r PTC or NTC probes (cabinet proporator probe) 81-121 (990 \(\Omega \) @ 25 °C, 77 °F) n -50 to 150 °C (from -58 to 302 °C (1 °F) 35 (10 K\(\Omega \) @ 25 °C, 77 °F) n -40 to 105 °C (from -40 to 221 °C (1 °F) y contact (door switch) 5 VDC, 2 mA None None for analogue input (auxiliary pr

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.

This document and the solutions contained therein are the intellectual property of EVCO and thus protected by the Italian Intellectual Property Rights Code (CPI). EVCO imposes an absolute ban on the $full \ or \ partial \ reproduction \ and \ disclosure \ of \ the \ content \ other \ than \ with \ the \ express \ approval \ of \ EVCO.$ The customer (manufacturer, installer or end-user) assumes all responsibility for the configuration of the device. EVCO accepts no liability for any possible errors in this document and reserves the right to make any changes, at any time without prejudice to the essential functional and safety features of the equipment.

