

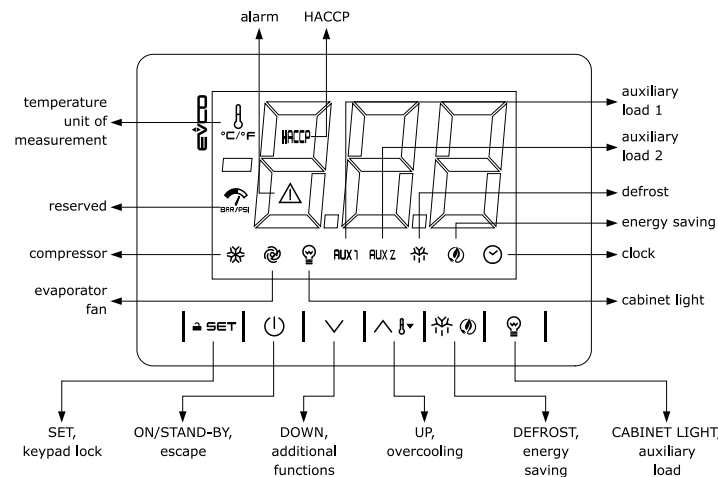


PLEASE READ CAREFULLY
and save this document
CONSIDER THE ENVIRONMENT

General characteristics

- Controllers for low temperature units.
- Power supply 230 VAC.
- Incorporated clock (according to the model).
- Cabinet probe and evaporator probe (PTC/NTC).
- Door switch input.
- Compressor relay 16 A res. @ 250 VAC or 30 A res. @ 250 VAC (according to the model)
- Alarm buzzer.
- TTL MODBUS slave port for EV connect APP or BMS.
- Port for SD card data-logger module EVBD05 (according to the model).
- Models in plastic container or open-frame (according to the model)

1. User interface and main functions



1.1. Switching the device on and off

1. If POF = 1 (default), touch the ON/STAND-BY key for 2s.
If the device is switched on, the display will show the P5 value ("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 - SETPOINT BEING SET
	EVAPORATOR FAN ON	EVAPORATOR FAN OFF	EVAPORATOR FAN STOP ACTIVE
	CABINET LIGHT ON	CABINET LIGHT OFF	CABINET LIGHT ON BY DIGITAL INPUT
AUX 1	AUXILIARY FUNCTION 1 ON	AUXILIARY FUNCTION 1 OFF	- AUXILIARY FUNCTION 1 ON BY DIGITAL INPUT - AUXILIARY FUNCTION 1 DELAY ACTIVE
AUX 2	AUXILIARY FUNCTION 2 ON	AUXILIARY FUNCTION 2 OFF	- AUXILIARY FUNCTION 2 ON BY DIGITAL INPUT - AUXILIARY FUNCTION 2 DELAY ACTIVE

LED	ON	OFF	FLASHING
	DEFROST OR PRE-DRIP ACTIVE	-	- DEFROST DELAY ACTIVE - DRIPPING ACTIVE
	- ENERGY SAVING ACTIVE - LOW CONSUMPTION ACTIVE	-	-
	VIEW TIME	-	SET DATE, TIEM AND DAY OF THE CURRENT WEE
	VIEW TEMPERATURE	-	QUICK COOLING ACTIVE
HACCPC	SAVED HACCPC ALARM	-	NEW HACCPC ALRMA SAVED
	ALARM ACTIVE	-	-

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.

1.2. Unlock keypad

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

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

Check that the keypad isn't locked.

1. Touch the SET key.
2. Touch the UP or DOWN key within 15s to set the value within the limits r1 and r2 (default "-40... 50")
3. Touch the SET key (or do not operate for 15s).

1.4 Activate manual defrost

Check that the keypad isn't locked, and that quick cooling isn't active.

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

1.5 Cabinet light on/off (if u1, u3, u4 or u6 = 5, default)

1. Touch the CABINET LIGHT key.

1.6 Button-operated load on/off (if u1, u3, u4 or u6 = 9 or 10)

1. Touch the CABINET LIGHT key (for 2s if u1, u3, u4 or u6 = 5).
If u1 or u11 = 6, the **demisting** switch on for the u11 duration.

1.7 Silence buzzer (if u14 = 1, default)

Touch a key.
If u1 or u11 = 11 and u9 = 1, the alarm output is deactivated.

2. Additional functions.







2.1 Activate/deactivate energy saving in manual mode

Check that the keypad isn't locked.

1. Touch the DEFROST key.
The setpoint becomes "setpoint + r4", at maximum for HE2 duration.





2.2 View/delete compressor functioning hours

Check that the keypad isn't locked.

1.		Touch the DOWN key for 1s.								
2.		Touch the UP or DOWN key within 15s to select a label.								
	<table border="1"> <thead> <tr> <th>LAB.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>CH1</td> <td>view compressor functioning hundreds of hours</td> </tr> <tr> <td>CH2</td> <td>view second compressor functioning hundreds of hours</td> </tr> <tr> <td>rCH</td> <td>delete compressor and second compressor functioning hours</td> </tr> </tbody> </table>	LAB.	DESCRIPTION	CH1	view compressor functioning hundreds of hours	CH2	view second compressor functioning hundreds of hours	rCH	delete compressor and second compressor functioning hours	
LAB.	DESCRIPTION									
CH1	view compressor functioning hundreds of hours									
CH2	view second compressor functioning hundreds of hours									
rCH	delete compressor and second compressor functioning hours									
3.		Touch the SET key.								
4.		Touch the UP or DOWN key to set "149" (to select rCH).								
5.		Touch the SET key.								
6.		Touch the ON/STAND-BY key (or do not operate for 60s) to exit the procedure.								










2.3 View the temperature detected by the probes

Check that the keypad isn't locked.


1.		Touch the DOWN key for 1s.										
2.		Touch the UP or DOWN key within 15s to select a label.										
	<table border="1"> <thead> <tr> <th>LAB.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>Pb1</td> <td>cabinet temperature (if P4 = 0, 1 or 2) inlet air temperature (if P4 = 3)</td> </tr> <tr> <td>Pb2</td> <td>evaporator temperature (if P3 = 1 or 2)</td> </tr> <tr> <td>Pb3</td> <td>auxiliary temperature (if P4 = 1, 2 or 3)</td> </tr> <tr> <td>Pb4</td> <td>calculated product temperature (CPT; if P4 = 3)</td> </tr> </tbody> </table>	LAB.	DESCRIPTION	Pb1	cabinet temperature (if P4 = 0, 1 or 2) inlet air temperature (if P4 = 3)	Pb2	evaporator temperature (if P3 = 1 or 2)	Pb3	auxiliary temperature (if P4 = 1, 2 or 3)	Pb4	calculated product temperature (CPT; if P4 = 3)	
LAB.	DESCRIPTION											
Pb1	cabinet temperature (if P4 = 0, 1 or 2) inlet air temperature (if P4 = 3)											
Pb2	evaporator temperature (if P3 = 1 or 2)											
Pb3	auxiliary temperature (if P4 = 1, 2 or 3)											
Pb4	calculated product temperature (CPT; if P4 = 3)											
3.		Touch the SET key.										
4.		Touch the ON/STAND-BY key (or do not operate for 60s) to exit the procedure.										

3. Settings









3.1 Setting configuration parameters

1.		Touch the SET key for 4s: the display will show the label "PA".
2.		Touch the SET key.
3.		Touch the UP or DOWN key within 15s to set the PAS value (default "-19").
4.		Touch the SET key (or do not operate for 15s): the display will show the label "SP".
5.		Touch the UP or DOWN key to select a parameter.
6.		Touch the SET key.
7.		Touch the UP or DOWN key within 15s to set the value.
8.		Touch the SET key (or do not operate for 15s).
9.		Touch the SET key for 4s (or do not operate for 60s) to exit the procedure.


3.2 Set the date, time and day of the week (available in EVJ213 and EVJ214 or in EVJ203 and EVJ204 with interface EVIF25TBX connected)









	N.B. -If the device is connected to the interface EVIF25TBX, do not disconnect the device from the mains within two minutes since the setting of the time and day of the week. - If the device communicates with the APP EVconnect, the date, time and day of the week will automatically be set by the smartphone or tablet.
---	---

Check that the keypad isn't locked.

1.		Touch the DOWN key for 1s.																
2.		Touch the UP or DOWN key within 15s to select the label "rtc".																
3.		Touch the SET key: the display will show the label "y" followed by the last two figures of the year.																
4.		Touch the UP or DOWN key within 15s to set the year.																
5.	Repeat actions 3 and 4 to set the next labels.																	
	<table border="1"> <thead> <tr> <th>LAB.</th> <th>MEANING OF THE NUMBERS FOLLOWING THE LABEL</th> </tr> </thead> <tbody> <tr> <td>n</td> <td>month (01... 12)</td> </tr> <tr> <td>d</td> <td>day (01... 31)</td> </tr> <tr> <td>h</td> <td>time (00... 23)</td> </tr> <tr> <td>n</td> <td>minutes (00... 59)</td> </tr> </tbody> </table>	LAB.	MEANING OF THE NUMBERS FOLLOWING THE LABEL	n	month (01... 12)	d	day (01... 31)	h	time (00... 23)	n	minutes (00... 59)							
LAB.	MEANING OF THE NUMBERS FOLLOWING THE LABEL																	
n	month (01... 12)																	
d	day (01... 31)																	
h	time (00... 23)																	
n	minutes (00... 59)																	
6.		Touch the SET key: the display will show the label for the day of the week.																
7.		Touch the UP or DOWN key within 15s to set the day of the week.																
	<table border="1"> <thead> <tr> <th>LAB.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>Mon</td> <td>Monday</td> </tr> <tr> <td>tuE</td> <td>Tuesday</td> </tr> <tr> <td>UEd</td> <td>Wednesday</td> </tr> <tr> <td>thu</td> <td>Thursday</td> </tr> <tr> <td>Fri</td> <td>Friday</td> </tr> <tr> <td>Sat</td> <td>Saturday</td> </tr> <tr> <td>Sun</td> <td>Sunday</td> </tr> </tbody> </table>	LAB.	DESCRIPTION	Mon	Monday	tuE	Tuesday	UEd	Wednesday	thu	Thursday	Fri	Friday	Sat	Saturday	Sun	Sunday	
LAB.	DESCRIPTION																	
Mon	Monday																	
tuE	Tuesday																	
UEd	Wednesday																	
thu	Thursday																	
Fri	Friday																	
Sat	Saturday																	
Sun	Sunday																	
8.		Touch the SET key: the device will exit the procedure.																
9.		Touch the ON/STAND-BY key to exit the procedure beforehand.																

3.1 Reset the factory settings



	N.B. Check that the factory settings are appropriate; see the section CONFIGURATION PARAMETERS.
---	--

1.		Touch the SET key for 4s: the display will show the label "PA".
2.		Touch the SET key.
3.		Touch the UP or DOWN key within 15s to set "149".
4.		Touch the SET key (or do not operate for 15s): the display will show the label "dEF".
5.		Touch the SET key.
6.		Touch the UP or DOWN key within 15s to set "1".
7.		Touch the SET key (or do not operate for 15s).
8.	Interrupt the power supply to the device.	
9.		Touch the SET key for 2s before action 6 to exit the procedure beforehand.

4. Configuration Parameters

EVJ 203 refers to refrigeration models.

EVJ 204 refers to low temperature models.

				REACH IN		TABLES		
N.	PAR.	SETPOINT	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204	
	1	SP	setpoint	r1... r2	0° C	-23 °C	0° C	-23 °C
				REACH IN		TABLES		
N.	PAR.	ANALOGUE INPUTS	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204	
	2	CA1	cabinet probe offset	-25... 25 °C/°F si P4 = 3, offset sonda aire en entrada	0°C	0°C	0°C	0°C
	3	CA2	evaporator probe offset	-25... 25 °C/°F	0°C	0°C	0°C	0°C
	4	CA3	auxiliary probe offset	-25... 25 °C/°F	0°C	0°C	0°C	0°C

EVJ 200

**Extra-large controllers for cabinets and tables,
with energy-saving strategies**



N.	PAR.	ANALOGUE INPUTS	MIN... MAX.	REACH IN		TABLES	
				EVJ203	EVJ204	EVJ203	EVJ204
5	P0	enable type	0 = PTC; 1 = NTC	1	1	1	1
6	P1	enable °C decimal point	0 = no; 1 = yes	0	0	0	0
7	P2	temperature unit measurement	0 = °C; 1 = °F	0	0	0	0
8	P3	evaporator probe function	0 = disabled	1	1	1	1
			1 = defrost + fan				
			2 = fan				
9	P4	configurable input function	0 = digital input	0	0	0	0
			1 = condenser probe				
			2 = critical temperature probe				
			3 = air out probe				
10	P5	value displayed	0 = regulation temperature	0	0	0	0
			1 = setpoint				
			2 = evaporator temperature				
			3 = auxiliary temperature				
11	P7	inlet air weight for calculated product temperature (CPT)	0... 100 %	50	50	50	50
			CPT = $\{[(P7 \times (\text{inlet air T})) + [(100 - P7) \times (\text{outlet air T})]: 100\}$				
12	P8	display refresh time	0... 250 s: 10	5	15	5	15
				REACH IN		TABLES	
N.	PAR.	REGULATION	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
13	r0	setpoint differential	1... 15 °C/°F	4°C	3°C	4°C	3°C
14	r1	minimum setpoint	-99 °C/°F... r2	-2°C	-23°C	-2°C	-23°C
15	r2	maximum setpoint	r1... 199 °C/°F	16°C	16°C	16°C	16°C
16	r3	enable setpoint block	0 = no 1 = yes	0	0	0	0
17	r4	setpoint offset in energy saving	0... 99 °C/°F	0°C	0°C	0°C	0°C
18	r5	regulation for heat or cold	0 = for cold 1 = for heat	0	0	0	0
19	r6	setpoint offset in overcooling	0... 99 °C/°F	0°C	0°C	0°C	0°C
20	r7	overcooling duration	0... 240 min	0 min	0 min	0 min	0 min
21	r12	position of the r0 differential	0 = asymmetric	0	0	0	0
			1 = symmetric				
				REACH IN		TABLES	
N.	PAR.	COMPRESSOR	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
22	C0	compressor o delay afer poqer-on	0... 240 min	1 min	1 min	1 min	1 min
23	C1	delay between 2 compressor switch-ons	0... 240 min	1 min	1 min	1 min	1 min

N.	PAR.	COMPRESSOR	MIN... MAX.	REACH IN		TABLES	
				EVJ203	EVJ204	EVJ203	EVJ204
24	C2	compressor off minimum time	0... 240 min	1 min	1 min	1 min	1 min
25	C3	compressor on minimum time	0... 240 min	0 s	0 s	0 s	0 s
26	C4	compressor of time during cabinet probe alarm	0... 240 min	10 min	10 min	10 min	10 min
27	C5	compressor on time during cabinet probe alarm	0... 240 min	10 min	10 min	10 min	10 min
28	C6	threshold for high condensation warning	0... 199 °C/°F	70°C	70°C	70°C	70°C
			differential = 2°C / 4°C				
29	C7	threshold for high condensation alarm	0... 199 °C/°F	80°C	80°C	80°C	80°C
30	C8	high condensation alarm delay	0... 15 min	0 min	0 min	0 min	0 min
31	C10	compressor hours for service	0... 999 h x 100	0 GG	0 GG	0 GG	0 GG
			0 = disabled				
32	C11	second compressor switch-on delay	0... 240 s	20 s	20 s	20 s	20 s
				REACH IN		TABLES	
N.	PAR.	DEFROST	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
33	d0	automatic defrost interval	0... 99 h	4 h	4 h	4 h	4 h
			0 = only manual				
			Si d8 = 3, maximum interval				
34	d1	defrost type	0... 99 h	2	1	2	1
			0 = only manual				
			Si d8 = 3, maximum interval				
35	d2	threshold for defrost end	-99... 99 °C / °F	8°C	20°C	8°C	20°C
36	d3	defrost duration	0... 99 h	30 min	15 min	30 min	15 min
			Si P3 = 1, maximum duration				
37	d4	enable defrost at power-on	0 = no; 1 = yes	0	0	0	0
38	d5	defrost delay after power-on	0... 99 min	0 min	0 min	0 min	0 min
39	d6	value displayed during defrost	0 = regulation temperature	1	1	1	1
			1 = display locked				
			2 = dEF label				
40	d7	dripping time	0... 15 min	1 min	1 min	1 min	1 min
41	d8	Defrost interval counting mode	0 = device on hours	0	0	0	0
			1 = compressor on hours				
			2 = hours evaporator temperature < d9				
			3 = adaptive				
42	d9	evaporation threshold for automatic defrost Interval counting	-99... 99 °C/°F	0°C	0°C	0°C	0°C
43	d11	enable defrost timeout alarm	0 = no; 1 = yes	0	0	0	0
44	d15	compressor on consecutive time for hot gas defrost	0... 99 min	0 min	0 min	0 min	0 min
45	d16	pre-dripping time for hot gas defrost	0... 99 min	0 min	0 min	0 min	0 min

EVJ 200

**Extra-large controllers for cabinets and tables,
with energy-saving strategies**



N.	PAR.	DEFROST	MIN... MAX.	REACH IN		TABLES	
				EVJ203	EVJ204	EVJ203	EVJ204
46	d18	adaptive defrost interval	0... 999 min	40 min	40 min	40 min	40 min
			if compressor on + evaporator temperature < d22				
			0 = only manual				
47	d19	threshold for adaptive defrost (relative to optimal evaporation temperature)	0... 40 °C/°F	3°C	4°C	3°C	4°C
			optimal evaporation temperature - d19				
48	d20	compressor on consecutive time for defrost	0... 999 min	180 min	180 min	180 min	180 min
			0 = disabled				
49	d21	compressor on consecutive time for defrost after power-on and overcooling	0... 500 min	200 min	200 min	200 min	200 min
			if (regulation temperature - setpoint) > 10°C/20 °F				
			0 = disabled				
50	d22	evaporation threshold for adaptive defrost interval counting (relative to optimal evaporation temperature)	-10... 10 °C/°F	-2°C	-2°C	-2°C	-2°C
			optimal evaporation temperature + d22				
51	d25	enable air out probe for defrost during evaporator probe alarm	0 = no 1 = yes	0	0	0	0
52	d26	defrost interval during evaporator probe alarm	0... 99 h	6 h	6 h	6 h	6 h
			0 = only manual				
			if d25 = 1				
				REACH IN		TABLES	
N.	PAR.	ALARMS	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
53	A0	select value for high/low temperature alarms	0 = regulation temperature	0	0	0	0
			1 = evaporator temperature				
54	A1	threshold for low temperature alarm	-99... 99 °C/°F	5°C	10°C	5°C	10°C
55	A2	low temperature alarm type	0 = disabled	1	1	1	1
			1 = relative to setpoint				
			2 = absolute				
56	A4	threshold for high temperature alarm	-99... 99 °C/°F	10°C	10°C	10°C	10°C
57	A5	high temperature alarm type	0 = regulation temperature	1	1	1	1
			1 = evaporator temperature				
			2 = auxiliary temperature				
58	A6	high temperature alarm delay after power-on	0... 240 min	120 min	120 min	120 min	120 min
59	A7	high/low temperature alarms delay	0... 240 min	15 min	15 min	15 min	15 min
60	A8	high temperature alarm delay after defrost	0... 240 min	60 min	60 min	60 min	60 min
61	A9	high temperature alarm delay after door closing	0... 240 min	15 min	15 min	15 min	15 min
62	A11	high/low temperature alarms reset differential	1... 15 °C / °F	2°C	2°C	2°C	2°C

N.	PAR.	FANS	MIN... MAX.	REACH IN		TABLES	
				EVJ203	EVJ204	EVJ203	EVJ204
63	F0	evaporator fan mode during normal operation	0 = off 1 = on	7	7	7	7
			2 = on if compressor on				
			3 = thermoregulated (with regulation temperature + F1)				
			4 = thermoregulated (with regulation temperature + F1) if compressor on				
			5 = according to F6				
			6 = thermoregulated (with F1)				
			7 = thermoregulated (with F1) if compressor on				
64	F1	threshold for evaporator fan operation	-99... 99 °C / °F	10°C	5°C	10°C	5°C
65	F2	evaporator fan mode during defrost and dripping	0 = off 1 = on	1	0	1	0
			2 = according to F0				
66	F3	evaporator fan off maximum time	0... 15 min	10 min	10 min	10 min	10 min
67	F4	evaporator fan off time during energy saving	0... 240 s x 10	30s x10	30s x10	30s x10	30s x10
			if F0 ≠ 5				
68	F5	evaporator fan on time during energy saving	0... 240 s x 10	30s x10	30s x10	30s x10	30s x10
			if F0 ≠ 5				
69	F6	high/low humidity operation	0 = low humidity (with F17 and F18 if compressor off, on if compressor on)	0	0	0	0
			1 = high humidity (on)				
70	F7	threshold for evaporator fan on after dripping (relative to setpoint)	-99... 99 °C/°F	5°C	20°C	5°C	20°C
			setpoint + F7				
71	F8	threshold for evaporator fan operation differential	1... 15 °C/°F	2	2	2	2
72	F9	evaporator fan off delay after compressor off	0... 240 s	10 s	10 s	10 s	10 s
			if F0 = 2 or 5				
73	F10	condenser fan mode	0 = thermoregulated (with F11)	1	1	1	1
			1 = thermoregulated (with F11) if compressor off, on if compressor on				
			2 = thermoregulated (with F11) if compressor off, on if compressor on, off during defrost, pre-dripping and dripping				
74	F11	threshold for condenser fan on	0... 99 °C/°F	15°C	15°C	15°C	15°C
			differential= 2 °C/4 °F				
75	F12	condenser fan off delay after compressor off	0... 240 s	120 s	120 s	120 s	120 s
			if P4 ≠ 1				

EVJ 200

**Extra-large controllers for cabinets and tables,
with energy-saving strategies**



				REACH IN		TABLES	
N.	PAR.	FANS	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
76	F17	evaporator fan off time with low humidity	0... 240 s	60 s	60 s	60 s	60 s
77	F18	evaporator fan on time with low humidity	0... 240 s	10 s	10 s	10 s	10 s
				REACH IN		TABLES	
N.	PAR.	DIGITAL INPUTS	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
78	i0	door switch input function	0 = disabled	5	5	0	0
			1 = compressor + evaporator fan off				
			2 = evaporator fan off				
			3 = cabinet light on				
			4 = compressor + evaporator fan off, cabinet light on				
5 = evaporator fan off + cabinet light on							
79	i1	door switch input activation	0 = with contact closed	1	1	1	1
			1 = with contact open				
80	i2	open door alarm delay	-1... 120 min	5 min	5 min	5 min	5 min
			- 1 = disabled				
81	i3	regulation inhibition maximum time with door open	-1... 120 min	15 min	15 min	15 min	15 min
			- 1 = until the closing				
82	i5	multi-purpose input function	0 = disabled	0	0	0	0
			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							
83	i6	multi-purpose input activation	0 = with contact closed	1	1	1	1
			1 = with contact open				
84	i7	multi-purpose input alarm delay	0... 120 min	1	1	0	0
			if i5 = 3 or 7, compressor on delay after alarm reset				
85	i8	number of multi-purpose input activations for high pressure alarm	0... 15	0	0	0	0
			0 = disabled				
			if i5 = 3				

				REACH IN		TABLES	
N.	PAR.	DIGITAL INPUTS	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
86	i9	reset counter time for high pressure alarm	1... 999 min	240 min	5 min	240 min	5 min
87	i10	door closed consecutive time for energy saving	0... 999 min	0 min	0 min	0 min	0 min
			after regulation temperature < SP				
88	i13	number of door openings for defrost	0... 240	180	180	180	180
			0 = disabled				
89	i14	door open consecutive time for defrost	0... 240 min	32 min	32 min	32 min	32 min
			0 = disabled				
				REACH IN		TABLES	
N.	PAR.	DIGITAL OUTPUTS	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
90	u1c	K1 output configuration	0 = compressor 1	0	0	0	0
			1 = compressor 2				
			2 = evaporator fans				
			3 = condenser fans				
			4 = defrost				
			5 = cabinet light				
			6 = demisting				
			7 = door heaters				
			8 = heater for neutral zone				
			9 = button-operated load 1 on				
			10 = button-operated load 2 on				
			11 = alarm				
91	u2c	K2 output configuration	0 = compressor 1	2	4	2	4
			1 = compressor 2				
			2 = evaporator fans				
			3 = condenser fans				
			4 = defrost				
			5 = cabinet light				
			6 = demisting				
			7 = door heaters				
			8 = heater for neutral zone				
			9 = button-operated load 1 on				
			10 = button-operated load 2 on				
			11 = alarm				
92	u3c	K3 output configuration	0 = compressor 1	5	5	5	5
			1 = compressor 2				
			2 = evaporator fans				
			3 = condenser fans				
			4 = defrost				
			5 = cabinet light				
			6 = demisting				
			7 = door heaters				
			8 = heater for neutral zone				
			9 = button-operated load 1 on				
			10 = button-operated load 2 on				
			11 = alarm				
12 = on/stand-by							

EVJ 200

Extra-large controllers for cabinets and tables, with energy-saving strategies



N.	PAR.	DIGITAL OUTPUTS	MIN... MAX.	REACH IN		TABLES	
				EVJ203	EVJ204	EVJ203	EVJ204
93	U4c	K4 output configuration	0 = compressor 1	-	2	-	2
			1 = compressor 2				
			2 = evaporator fans				
			3 = condenser fans				
			4 = defrost				
			5 = cabinet light				
			6 = demisting				
			7 = door heaters				
			8 = heater for neutral zone				
			9 = button-operated load 1 on				
			10 = button-operated load 2 on				
			11 = alarm				
12 = on/stand-by							
94	u2	enable cabinet light and button-operated load in stand-by	0 = no 1 = yes manual	0	0	0	0
95	u4	enable alarm output off silencing the buzzer	0 = no 1 = yes	1	1	1	1
96	u5	threshold for door heaters on	-99... 99 °C/°F differential = 2 °C/4 °F	-1°C	-1°C	-1°C	-1°C
97	u6	demisting on duration	1... 120 min	5 min	5 min	5 min	5 min
98	u7	neutral zone threshold for heating (relative to setpoint)	-99... 99 °C/°F differential = 2 °C/4 °F setpoint + u7	-5°C	-5°C	-5°C	-5°C
99	u9	enable alarm buzzer	0 = no 1 = yes	1	1	1	1
				REACH IN		TABLES	
N.	PAR.	REAL TIME CLOCK	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
100	Hr0	enable clock	0 = no; 1 = yes	0	0	0	0
				REACH IN		TABLES	
N.	PAR.	ENERGY SAVING	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
101	HE2	energy saving maximum duration	0... 999 min - 1 = until the door opening	0'	0'	0'	0'
				REACH IN		TABLES	
N.	PAR.	REAL TIME ENERGY SAVING	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
102	H01	energy saving time	0... 23 h	0 h	0 h	0 h	0 h
103	H02	energy saving maximum duration	0... 24 h	0 h	0 h	0 h	0 h
				REACH IN		TABLES	
N.	PAR.	REAL TIME DEFROST (if d8 = 4)	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
104	Hd1	1st daily defrost time	h- = disabled	-h	-h	-h	-h
105	Hd2	2nd daily defrost time	h- = disabled	-h	-h	-h	-h
106	Hd3	3rd daily defrost time	h- = disabled	-h	-h	-h	-h
107	Hd4	4th daily defrost time	h- = disabled	-h	-h	-h	-h
108	Hd5	5th daily defrost time	h- = disabled	-h	-h	-h	-h
109	Hd6	6th daily defrost time	h- = disabled	-h	-h	-h	-h

N.	PAR.	SAFETIES	MIN... MAX.	REACH IN		TABLES	
				EVJ203	EVJ204	EVJ203	EVJ204
110	POF	enable ON/STAND-BY key	0 = no 1 = yes	1	1	1	1
111	Loc	enable keypad lock	0 = no 1 = yes	1	1	1	1
112	PAS	password	-99... 999	-	-	-	-
113	PA1	contraseña 1er Nivel	-99... 999	-	-	-	-
114	PA2	contraseña 2º Nivel	-99... 999	-	-	-	-
				REACH IN		TABLES	
N.	PAR.	DATA-LOGGING EVLINK	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
115	rE0	data-logger sampling interval	0... 240 min	15 min	15 min	15 min	15 min
116	rE1	recorded temperature	0 = none; 1 = cabinet	4	4	4	4
			2 = evaporator				
			3 = auxiliary				
			4 = cabinet and evaporator				
			5 = tall				
				REACH IN		TABLES	
N.	PAR.	MODBUS	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
117	LA	MODBUS address	1... 247	247	247	247	247
118	Lb	MODBUS baud rate	0 = 2,400 baud	2	2	2	2
			1 = 4,800 baud				
			2 = 9,600 baud				
119	LP	parity	0 = none 1 = odd	2	2	2	2
			2 = even				
				REACH IN		TABLES	
N.	PAR.	BLUETOOTH	MIN... MAX.	EVJ203	EVJ204	EVJ203	EVJ204
120	bLE	enable Bluetooth	0 = no 1 = yes	0	0	0	0

5. Alarms

COD.	DESCRIPTION	RESET	TO CORRECT
Pr1	cabinet probe alarm	automatic	-check P0
Pr2	evaporator probe alarm	automatic	-check probe integrity
Pr3	auxiliary probe alarm	automatic	-check electrical connection
rtc	clock alarm	manual	set date, time and day of the week
AL	low temperature alarm	automatic	check A0, A1 and A2
AH	high temperature alarm	automatic	check A4 and A5
id	open door alarm	automatic	check i0 and i1
PF	power failure alarm	manual	-touch a key -check electrical connection
COH	high condensation warning	automatic	check C6
CSd	high condensation alarm	manual	-switch the device off and on -check C7
iA	multi-purpose input alarm	automatic	check i5 and i6
iSd	high pressure alarm	manual	-switch the device off and on -check i5, i6, i8, i9
LP	low pressure alarm	automatic	check i5 and i6
C1t	compressor thermal switch alarm	automatic	check i5 and i6
C2t	second compressor thermal switch alarm	automatic	check i5 and i6
dFd	defrost timeout alarm	manual	-touch a key -check d2, d3 and d11
FUL	SD card full alarm	manual	free up space on the SD card or replace it
Sd	No SD card inserted alarm	manual	insert the SD card or replace it