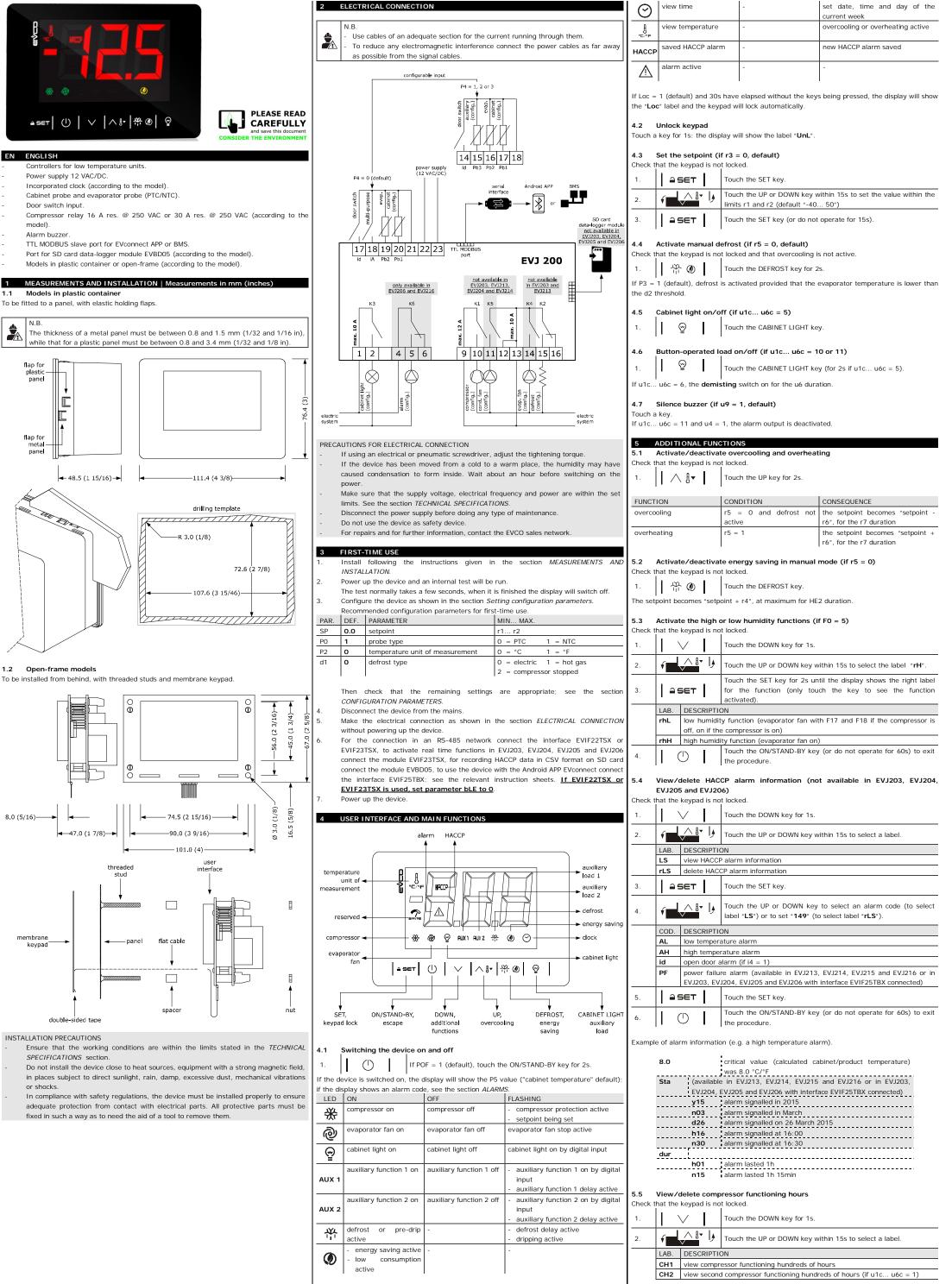


1.1

5.p.A. | EVJ 200 | Instruction sheet ver. 1.0 | Code 104J200I103LVPS | Page 1 of 3 | PT 18/17

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





EVCO S.					4J200I103LVPS Page 2 of 3 PT 18/17	
3.	rCH delete compressor and second compressor functioning hours I SET Touch the SET key.					
		<u>^8</u> -	L			
4.	Ý .		7	Touch the UP or DOWN ke	y to set "149" (to select rCH).	
5.	≙ 5	SET		Touch the SET key.		
6.		D		Touch the ON/STAND-BY I the procedure.	key (or do not operate for 60s) to exit	
				ure detected by the prob t locked.	es	
1.		 I 		Touch the DOWN key for 1	S.	
2.	<i>.</i>	<u>^ 8</u> -	I ≱	Touch the UP or DOWN key	y within 15s to select a label.	
	LAB.	V DESCR				
	Pb1	cabinet	tem	perature (if P4 = 0, 1 or 2)		
	Pb2			perature (if P4 = 3) temperature (if P3 = 1 or 2))	
	Pb3		-	mperature (if P4 = 1, 2 or 3		
3.	Pb4		lea p	roduct temperature (CPT; if Touch the SET key.	P4 = 3)	
	1			•	key (or do not operate for 60s) to exit	
4.		5		the procedure.		
6	DATA-L	OGGER	МО	DULE on SD CARD (not a	vailable in EVJ203, EVJ204, EVJ205	
	and EV.	J206) informa	tion			
The dat	a-logge	r module	e ma	kes it possible to write info	mation about the device on an SD card	
				or service mode. ration parameters.		
PAR. Sd0	DEF. 30	PARAM	ETER		MIN MAX. 1 30 min	
		mode		·		
Sd1	1	SD cai mode	d w	riting interval in service	1 30 min	
Sd2	60			le duration	1 240 min	
Sd3 Sd4	0			al temperature recording net temperature recording	0 = no 1 = yes 0 = no 1 = yes	
Sd5	1			arator type	0 = comma 1 = point	
Writing Informa -	in HACC ation wri cabinet	tten in H tempera	is al IACC ature	ways activated, it generates P mode. (if Sd4 = 1, default " no ")	s a daily file and a monthly file.	
		empera witched		(if Sd3 = 1, default " no ") off		
-		activate		•		
-		ctivated		ted/deactivated ored		
		upply re me is wr		ed for each piece of informatio	on.	
	-	j in serv ce mode		t be manually activated.		
				e mode. d by all probes		
-	enable/	disable p	orobe	es i		
		witched		Dff		
		activate saving a		npleted ted/deactivated		
	alarm a	ctivated	/rest	ored		
- The dat	•	upply re me is wr		ed for each piece of informatio	on.	
				e writing in service mode		
				t locked.	-	
1.	<u> </u>	\checkmark	_	Touch the DOWN key for 1	S	
2.	۶ – ,	<u>^</u> *	٩	Touch the UP or DOWN ke	y within 15s to select the label "SEr".	
3.	1 2 4			Touch the SET key.		
			4		key within 15s to set "1" (activate	
4.		V 0	げ	writing) or "0" (deactivate	writing).	
5.	(D		the procedure.	key (or do not operate for 60s) to exit	
6.5 File names Example of a daily file name written in HACCP mode (e.g. the file "log001_2015_03_26.csv"). 001 the device address is 1 (parameter LA) 2015 the file was written in 2015 03 the file was written in March 26 the file was written on 26 March 2015						
	001	the o the f	devic ïle w	e address is 1 (parameter L	(e.g. the file <i>"log001_2015_m03.csv"</i>). A)	
	001 2015	the o the f	devic ile w		e file * <i>log001_2015_0001.csv</i> *). A)	
				nodule alarms		
	nat the	кеураd	is no	t locked.	c	
1.	`	\sim		Touch the DOWN key for 1	з.	

	and	EVJ21	e date, time and day of the week (available in EVJ213, EVJ214, EVJ215 EVJ216 or in EVJ203, EVJ204, EVJ205 and EVJ206 with interface 5TBX connected)					
0 0	 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. 							
	1			nmunicates with the APP EVconnect atically be set by the smartphone or	•			
Check	that tl	ne keyp	ad is no	t locked.				
1.		\vee	1	Touch the DOWN key for 1s.				
2.	f	(\land)	<u>د</u> ا ۱	Touch the UP or DOWN key within	15s to select the label "rtc".			
			• •	Touch the SET key: the display v				
3.				by the last two figures of the year.				
4.	*	Ý	ر ہ	Touch the UP or DOWN key within	15s to set the year.			
5.				nd 4 to set the next labels.				
	LAB n	_	nth (01	F THE NUMBERS FOLLOWING THE I	LABEL			
	d h		(01 3 e (00 2					
	n	_	utes (00) 59)				
6.	1	SET	•	Touch the SET key: the display wi the week.	III show the label for the day of			
7.	f	\sim	8- ↓	Touch the UP or DOWN key with week.	hin 15s to set the day of the			
	LAB Mor	_	CRIPTI					
	tuE	Tue	sday					
	UEc thu	_	dnesday rsday					
	Fri Sat	Frid Satu	ay urday					
	Sun							
8.	1 -	SET	'	Touch the SET key: the device will	exit the procedure.			
9.		\bigcirc		Touch the ON/STAND-BY key to ex	kit the procedure beforehand.			
7.3	Rese	et the fa	actory	settings				
Ö,	N.B. Check that the factory settings are appropriate; see the section CONFIGURATION							
~	PARAMETERS.							
1.	1	SET	•	Touch the SET key for 4s: the disp	lay will show the label " PA ".			
2. A SET			•	Touch the SET key.				
3.			8- IA	Touch the UP or DOWN key within	15s to set " 149 ".			
4.		SET	•	Touch the SET key (or do not operate for 15s): the display will show the label "				
5.		SET	<u> </u>	show the label "dEF ". Touch the SET key.				
			<u> </u>					
6.	*	<u>ر المجار المجا</u>		Touch the UP or DOWN key within 15s to set "1".				
7.	≙ SET			Touch the SET key (or do not operate for 15s).				
8. 9.	1	SET	1	supply to the device. Touch the SET key for 2s before action 6 to exit the procedure beforehand.				
8	CON	FIGUR/	ATION	PARAMETERS				
∩≡	N.	PAR.	DEF.	SETPOINT	MIN MAX.			
₽	1 N.	SP PAR.	0.0 DEF.	setpoint ANALOGUE INPUTS	r1 r2 MIN MAX.			
	2	CA1	0.0	cabinet probe offset	-25 25 °C/°F			
	3	CA2	0.0	evaporator probe offset	if P4 = 3, air in probe offset -25 25 °C/°F			
	4	CA3 P0	0.0	auxiliary probe offset probe type	-25 25 °C/°F 0 = PTC 1 = NTC			
	6	P1	1	enable °C decimal point	0 = no 1 = yes			
	7	P2	0	temperature unit of measurement	0 = °C 1 = °F			
	8	P3	1	evaporator probe function	0 = disabled 1 = defrost + fan 2 = fan			
\cap	9	P4	0	configurable input function	0 = digital input 1 = condenser probe			
4					2 = critical temperature probe			
					3 = air out probe if P4 = 3, regulation temperature			
	10	P5	0	value displayed	= product temperature (CPT) 0 = regulation temperature			
					1 = setpoint2 = evaporator temperature			
					3 = auxiliary temperature 4 = air in temperature			
	11	P7	50	inlet air weight for calculated	0 100 %			
				product temperature (CPT)	CPT = { [(P7 x (inlet air T)] + [(100 - P7) x (outlet air T)] :			
			5	display refresh time	100} 0 250 s : 10			
	12	P8	5					

Touch the SET key for 4s (or do not operate for 60s) to exit the procedure.

9. **Set**

	30	C8	1	high condensation alarm delay	0 15 min		
	31	C10	0	compressor hours for service	0 999 h x 100		
					0 = disabled		
	32	C11	10	second compressor switch-on delay	0 240 s		
	N.	PAR.	DEF.	DEFROST (if $r5 = 0$)	MIN MAX.		
	33	d0	8	automatic defrost interval	0 99 h		
					0 = only manual if d8 = 3, maximum interval		
	34	d1	0	defrost type	0 = electric		
					1 = hot gas		
	35	d2	2.0	threshold for defrost end	2 = compressor stopped -99 99 °C/°F		
	36	d3	30	defrost duration	0 99 min		
					se P3 = 1, maximum duration		
	37 38	d4 d5	0	enable defrost at power-on defrost dealy after power-on	0 = no 1 = yes 0 99 min		
	39	d6	1	value displayed during defrost	0 = regulation temperature		
					1 = display locked		
	40	d7	2	dripping time	2 = dEF label 0 15 min		
	40	d8	0	defrost interval counting mode	0 = device on hours		
					1 = compressor on hours		
					2 = hours evaporator temperature < d9		
					3 = adaptive		
					4 = real time		
	42	d9	0.0	evaporation threshold for	-99 99 °C/°F		
				automatic defrost interval counting			
	43	d11	0	enable defrost timeout alarm	0 = no 1 = yes		
	44	d15	0	compressor on consecutive time	-20 99 min		
				for hot gas defrost	if negative values, duration dripping heater on		
	45	d16	0	pre-dripping time for hot gas	0 99 min		
				defrost			
	46 d18 40			adaptive defrost interval	0 999 min if compressor on + evapora-		
					tor temperature < d22		
					0 = only manual		
	47	d19	3.0	threshold for adaptive defrost (relative to optimal evaporation	0 40 °C/°F optimal evaporation		
				temperature)	temperature - d19		
	48	d20	180	compressor on consecutive time	0 999 min		
	49	d21	200	for defrost compressor on consecutive time	0 = disabled 0 500 min		
				for defrost after power-on and	if (regulation temperature -		
				overcooling	setpoint) > 10°C/20 °F		
	50	d22	-2.0	evaporation threshold for	0 = disabled -10 10 °C/°F		
		422	2.0	adaptive defrost interval counting			
				(relative to optimal evaporation	temperature + d22		
	51 d25 0			temperature) enable air out probe for defrost	0 = no 1 = yes		
				during evaporator probe alarm			
	52	d26	6	defrost interval during	0 99 h		
				evaporator probe alarm	0 = only manual if d25 = 1		
	Ν.	PAR.	DEF.	ALARMS	MIN MAX.		
	53	AO	0	select value for high/low temperature alarms	0 = regulation temperature1 = evaporator temperature		
	54	A1	0.0	threshold for low temperature	-99 99 °C/°F		
				alarm			
	55	A2	0	low temperature alarm type	0 = disabled 1 = relative to setpoint		
					2 = absolute		
	56	A4	0.0	threshold for high temperature	-99 99 °C/°F		
	57	A5	0	alarm high temperature alarm type	0 = regulation temperature		
	57	713	Ũ		1 = evaporator temperature		
					2 = auxiliary temperature		
	58	A6	120	high temperature alarm delay after power-on	0 240 min		
	59	A7	15	high/low temperature alarms	0 240 min		
12		40	45	delay	0 240 mir		
	60	A8	15	high temperature alarm delay after defrost	0 240 min		
	61	A9	15	high temperature alarm delay	0 240 min		
		A 4 6	40	after door closing	0 240		
	62	A10	10	power failure duration for alarm recording (not available in	0 240 min		
				EVJ203, EVJ204, EVJ205 and			
	42	Λ11	20	EVJ206)	1 15 °C/°E		
	63	A11	2.0	high/low temperature alarms reset differential	1 15 °C/°F		
	64	A12	0	power failure alarm notification	0 = HACCP LED		
				type (not available in EVJ203, EVJ204 EVJ205 and EVJ206)	1 = HACCP LED + PF label + buzzer		
				EVJ204, EVJ205 and EVJ206)	2 = HACCP LED + PF label +		
					buzzer (if duration > A10)		
				LEANC			
	N.	PAR.	DEF.	FANS	MIN MAX.		
	N. 65	PAR. F0	DEF. 1	evaporator fan mode during normal operation	$MIN MAX.$ $0 = off \qquad 1 = on$ $2 = on if compressor on$		
				evaporator fan mode during	0 = off 1 = on 2 = on if compressor on 3 = thermoregulated (with		
				evaporator fan mode during	0 = off 1 = on 2 = on if compressor on 3 = thermoregulated (with regulation temperature		
				evaporator fan mode during	0 = off 1 = on 2 = on if compressor on 3 = thermoregulated (with		
				evaporator fan mode during	0 = off 1 = on 2 = on if compressor on 3 = thermoregulated (with regulation temperature + F1) 4 = thermoregulated (with regulation temperature		
				evaporator fan mode during	0 = off 1 = on 2 = on if compressor on 3 = thermoregulated (with regulation temperature + F1) 4 = thermoregulated (with		

			·····			
2.	ŕ		Touch the UP or DOWN key within 15s to select the label "Err".			
3.	_ ≙ 9	эет	Touch the SET key.			
4.	<u>را ۲۵ (۱</u>		Touch the UP or DOWN key within 15s to see the alarm code.			
	LAB.	DESCRIPTIO	N			
	FUL	no space let	ft on SD card alarm			
	Sd	SD card not	t inserted or not recognised alarm			
5.			Touch the ON/STAND-BY key (or do not operate for 60s) to exit the procedure.			
7	SETTIN	IGS				
7.1	Setting	g configurati	ion parameters			

7.1	Setting configuration parameters							
1.	≙ SET	Touch the SET key for 4s: the display will show the label "PA".						
2.	≙set	Touch the SET key.						
3.	f Alt	Touch the UP or DOWN key within 15s to set the PAS value (default "-19").						
4.	≙ SET	Touch the SET key (or do not operate for 15s): the display will show the label " SP ".						
5.	ارا • ∎ ∕_ا	Touch the UP or DOWN key to select a parameter.						
6.	≙ SET	Touch the SET key.						
7.	ار • <u>ا</u> ∕_ا	Touch the UP or DOWN key within 15s to set the value.						
8.	à set	Touch the SET key (or do not operate for 15s).						

					[(100 - P7) x (outlet air T)] : 100}
	12	P8	5	display refresh time	0 250 s : 10
	N.	PAR.	DEF.	REGULATION	MIN MAX.
	13	r0	2.0	setpoint differential	1 15 °C/°F
	14	r1	-40	minimum setpoint	-99 °C/°F r2
	15	r2	50.0	maximum setpoint	r1 199 °C/°F
	16	r3	0	enable setpoint block	0 = no 1 = yes
	17	r4	0.0	setpoint offset in energy saving	0 99 °C/°F
-	18	r5	0	cooling or heating operation	0 = cooling
-					1 = heating
	19	r6	0.0	setpoint offset in	0 99 °C/°F
				overcooling/overheating	
	20	r7	0	overcooling/overheating duration	0 240 min
	21	r12	1	position of the r0 differential	0 = asymmetric
					1 = symmetric
				001000000	
	Ν.	PAR.	DEF.	COMPRESSOR	MIN MAX.
	N. 22	PAR. CO	DEF.	compressor on delay after	0 240 min
	22	CO	0	compressor on delay after power-on	0 240 min
				compressor on delay after power-on delay between 2 compressor	
	22	C0 C1	0 5	compressor on delay after power-on delay between 2 compressor switch-ons	0 240 min 0 240 min
	22 23 24	C0 C1 C2	0 5 3	compressor on delay after power-on delay between 2 compressor switch-ons compressor off minimum time	0 240 min 0 240 min 0 240 min
(C	22 23 24 25	C0 C1 C2 C3	0 5 3 0	compressor on delay after power-on delay between 2 compressor switch-ons compressor off minimum time compressor on minimum time	0 240 min 0 240 min 0 240 min 0 240 s
	22 23 24	C0 C1 C2	0 5 3	compressor on delay after power-on delay between 2 compressor switch-ons compressor off minimum time compressor on minimum time compressor off time during	0 240 min 0 240 min 0 240 min
	22 23 24 25 26	C0 C1 C2 C3 C4	0 5 3 0 10	compressor on delay after power-on delay between 2 compressor switch-ons compressor off minimum time compressor off time during cabinet probe alarm	0 240 min 0 240 min 0 240 min 0 240 s 0 240 min
9Ľ	22 23 24 25	C0 C1 C2 C3	0 5 3 0	compressor on delay after power-on delay between 2 compressor switch-ons compressor off minimum time compressor on minimum time compressor off time during cabinet probe alarm compressor on time during	0 240 min 0 240 min 0 240 min 0 240 s
	22 23 24 25 26 27	C0 C1 C2 C3 C4 C5	0 5 3 0 10	compressor on delay after power-on delay between 2 compressor switch-ons compressor off minimum time compressor on minimum time compressor off time during cabinet probe alarm compressor on time during cabinet probe alarm	0 240 min 0 240 min 0 240 min 0 240 s 0 240 min 0 240 min
ſ	22 23 24 25 26	C0 C1 C2 C3 C4	0 5 3 0 10	compressor on delay after power-on delay between 2 compressor switch-ons compressor off minimum time compressor off time during cabinet probe alarm compressor on time during cabinet probe alarm threshold for high condensation	0 240 min 0 240 min 0 240 min 0 240 s 0 240 min 0 240 min 0 240 min 0 199 °C/°F
	22 23 24 25 26 27 28	C0 C1 C2 C3 C4 C5 C6	0 5 3 0 10 10 80.0	compressor on delay after power-on delay between 2 compressor switch-ons compressor off minimum time compressor on minimum time compressor on filme during cabinet probe alarm compressor on time during cabinet probe alarm threshold for high condensation warning	0 240 min 0 240 min 0 240 min 0 240 s 0 240 min 0 240 min 0 240 min 0 199 °C/°F differential = 2 °C/4 °F
	22 23 24 25 26 27	C0 C1 C2 C3 C4 C5	0 5 3 0 10	compressor on delay after power-on delay between 2 compressor switch-ons compressor off minimum time compressor off time during cabinet probe alarm compressor on time during cabinet probe alarm threshold for high condensation	0 240 min 0 240 min 0 240 min 0 240 s 0 240 min 0 240 min 0 240 min 0 199 °C/°F

					7 = thermoregulated (with F1)
					· · · · · · · · · · · · · · · · · · ·
					F1) if compressor on
	66	F1	-4.0	threshold for evaporator fan	-99 99 °C/°F
				operation	
_	67	F2	0	evaporator fan mode during	0 = off $1 = on$
S				defrost and dripping	2 = according to F0
	68	F3	2	evaporator fan off maximum	0 15 min
				time	def. 0 in EVJ203 ed EVJ213
	69	F4	30	evaporator fan off time during	0 240 s x 10
				energy saving	if FO ≠ 5
	70	F5	30	evaporator fan on time during	0 240 s x 10
				energy saving	if F0 ≠ 5
	71	F6	0	high/low humidity operation	0 = low humidity (with F17
					and F18 if compressor
					off, on if compressor on)
					1 = high humifity (on)
	72	F7	5.0	threshold for evaporator fan on	-99 99 °C/°F
				after dripping (relative to	setpoint + F7
				setpoint)	
	73	F8	2.0	threshold for evaporator fan	1 15 °C/°F
				operation differential	
	74	F9	10	evaporator fan off delay after	0 240 s
				compressor off	if $FO = 2$ or 5

EVCO S.	p.A.	EVJ 200	I	ction sheet ver. 1.0 Code 104J200I10	3LVPS Page 3 of 3 PT 18/17
	75	F10	1	condenser fan mode	0 = thermoregulated (with F11)
					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-
	77	F11	15.0		dripping and dripping 0 99 °C/°F
	76	F11	15.0	threshold for condenser fan on	differential = 2 °C/4 °F
	77	F12	30	condenser fan off delay after	0 240 s
				compressor off	if P4 ≠ 1
	78	F17	60	evaporator fan off time with low	0 240 s
	70	54.0	- 10	humidity	0.040
	79	F18	10	evaporator fan on time with low humidity	0 240 s
	N.	PAR.	DEF.	DIGITAL INPUTS	MIN MAX.
	80	iO	5	door switch input function	0 = disabled
					1 = compressor +
					evaporator fan off
					2 = evaporator fan off
					3 = cabinet light on
					4 = compressor + evaporator fan off,
					cabinet light on
					5 = evaporator fan off +
					cabinet light on
	81	i1	0	door switch input activation	0 = with contact closed
		10			1 = with contact open
	82	i2	30	open door alarm delay	-1 120 min -1 = disabled
	83	i3	15	regulation inhibition maximum	-1 = disabled
	23	.5		time with door open	-1 = until the closing
	84	i4	0	enable open door alarm	0 = no $1 = yes$
				recording	if i2 ≠ -1 and after i2
	85	i5	8	multi-purpose input function	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
	86	i6	0	multi-purpose input activation	9 = C2t alarm 0 = with contact closed
	00	.0			1 = with contact open
	87	i7	0	multi-purpose input alarm delay	0 120 min
					if i5 = 3, 8 or 9, compressor
	00	:0		number of multi-nurness input	on delay after alarm reset
	88	i8	0	number of multi-purpose input activations for high pressure	0 15 0 = disabled
				alarm	if i5 = 3
	89	i9	240	reset counter time for high	1 999 min
				pressure alarm	
	90	i10	0	door closed consecutive time for	0 999 min
	90	i10	0	door closed consecutive time for energy saving	after regulation temperature
	90	i10	0		
	90 91	i10 i13	0 180		after regulation temperature < SP
	91	i13	180	energy saving number of door openings for defrost	after regulation temperature < SP 0 = disabled 0 240 0 = disabled
				energy saving number of door openings for defrost door open consecutive time for	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min
	91	i13 i14	180 32	energy saving number of door openings for defrost door open consecutive time for defrost	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled
	91 92	i13	180	energy saving number of door openings for defrost door open consecutive time for	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX.
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0240 0 = disabled 0240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0240 0 = disabled 0240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0240 0 = disabled 0240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2
	91 92 N.	i13 i14 PAR.	180 32 DEF.	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm
	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor
	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan
	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor
	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan
	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting
	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters
	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone
	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters
	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0240 0 = disabled 0240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater
7.	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 2 12 = alarm 1 = button-operated load 1 11 = button-operated load 1 11 = button-operated load 1 12 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm
*	91 92 N. 93	113 114 PAR. u1c u2c	180 32 DEF. 0	energy saving number of door openings for defrost DIGITAL OUTPUTS relay K1 configuration relay K2 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by
*	91 92 N. 93	i13 i14 PAR. u1c	180 32 DEF. 0	energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS relay K1 configuration	after regulation temperature < SP 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor
*	91 92 N. 93	113 114 PAR. u1c u2c	180 32 DEF. 0	energy saving number of door openings for defrost DIGITAL OUTPUTS relay K1 configuration relay K2 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by
*	91 92 N. 93	113 114 PAR. u1c u2c	180 32 DEF. 0	energy saving number of door openings for defrost DIGITAL OUTPUTS relay K1 configuration relay K2 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 2 12= alarm 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan
*	91 92 N. 93	113 114 PAR. u1c u2c	180 32 DEF. 0	energy saving number of door openings for defrost DIGITAL OUTPUTS relay K1 configuration relay K2 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost
*	91 92 N. 93	113 114 PAR. u1c u2c	180 32 DEF. 0	energy saving number of door openings for defrost DIGITAL OUTPUTS relay K1 configuration relay K2 configuration	after regulation temperature < SP 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light
*	91 92 N. 93	113 114 PAR. u1c u2c	180 32 DEF. 0	energy saving number of door openings for defrost DIGITAL OUTPUTS relay K1 configuration relay K2 configuration	after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 3 = condenser fan 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater for neutral zone 9 = dripping heater 10= button-operated load 1 11= button-operated load 2 12= alarm 13= on/stand-by 0 = first compressor 1 = second compressor 1 = second compressor 2 = evaporator fan 3 = condenser fan 4 = defrost

)		97	u5c	3	relay K	5 configuration	n (not	0 = first compressor
h					available	in EVJ203, I	EVJ213,	1 = second compressor
f,					EVJ204 a	nd EVJ214)		2 = evaporator fan
								3 = condenser fan
h								4 = defrost
f,								5 = cabinet light
ff								6 = demisting
9-								7 = door heaters
								8 = heater for neutral zone
								9 = dripping heater
								10= button-operated load 1
								11= button-operated load 2
								12= alarm
								13= on/stand-by
		98	u6c	11	relay K	6 configuration	(only	0 = first compressor
_					available	in EVJ206 and E	VJ216)	1 = second compressor
								2 = evaporator fan
								3 = condenser fan
_								4 = defrost
+								5 = cabinet light
÷								6 = demisting
								7 = door heaters
								8 = heater for neutral zone
+								9 = dripping heater
ŕ,								10= button-operated load 1
.,								11= button-operated load 2
+								12= alarm
·								13= on/stand-by
-		99	u2	0	enable ca	abinet light and	button-	0 = no 1 = yes
					operated	load in stand-by		manual
-		100	u4	1	enable al	arm output off s	ilencing	0 = no 1 = yes
					the buzze	er	-	-
_		101	u5	-1.0	threshold	for door heaters	on	-99 99 °C/°F
								differential = 2 °C/4 °F
-		102	u6	5	demisting	on duration		1 120 min
		103	u7	-5.0	neutral	zone thresho	ld for	-99 99 °C/°F
-						relative to setpoi		differential = 2 °C/4 °F
							· /	setpoint + u7
		104	u9	1	enable al	arm buzzer		0 = no 1 = yes
		N.	PAR.	DEF.	REAL TIN			MIN MAX.
	\frown	105	HrO	0	1	clock (default	0 in	0 = no $1 = yes$
	G	105	1110		EVJ203,	EVJ204, EVJ20		0 = 110 1 = yes
	•				EVJ203, EVJ206)	EVJ204, EVJ20	JS anu	
		Ν.	PAR.	DEF.	· · · ·	SAVING (if r5 = 0	2)	MIN MAX.
		106	HE2	0	1	aving maximum of		0 999 min
					1			
-	~	N.	PAR.	DEF.	1	ME ENERGY SAV	ING (II	MIN MAX.
	<u>e</u>	107	1101		r5 = 0)			0
-	-	107	H01	0		iving time		0 23 h
		108	H02	0	1	aving maximum o		0 24 h
or		Ν.	PAR.	DEF.	1	E DEFROST (if da	8 = 4)	MIN MAX.
-		109	Hd1	h-	-	defrost time		h- = disabled
	۸D	110	Hd2	h-	1	defrost time		h- = disabled
		111	Hd3	h-	-	defrost time		h- = disabled
-						defrost time		h- = disabled
		113	Hd5	h-	-	defrost time		h- = disabled
-		114	Hd6	h-	, v	defrost time		h- = disabled
е		Ν.	PAR.	DEF.	DATA-LO	GGING (not ava	ilable in	MIN MAX.
C						EVJ204, EVJ20	05 and	
					EVJ206)			
-		115 Sd0 30				vriting interval in	HACCP	1 30 min
		mode						
-		116	116 Sd1 1 SD card writ				rval in	1 30 min
l		\mid			service m			·
		117	Sd2	60	1	node duration		1 240 min
_		118	Sd3	0	enable	•	perature	0 = no 1 = yes
					recording			
		119	Sd4	0	enable	cabinet temp	perature	0 = no 1 = yes
					recording			
		120	Sd5	1	1	eparator type		0 = comma 1 = point
		Ν.	PAR.	DEF.	SAFETIES			MIN MAX.
		121	POF	1	enable Ol	N/STAND-BY key		0 = no 1 = yes
		122	Loc	1	enable ke	eypad lock (defa	ult 0 in	0 = no 1 = yes
	$\overline{\mathbf{O}}$					els with open-fran	me user	
	\odot				interface))		
		123	PAS	-19	password			-99 999
		124	PA1	426	level 1 password			-99 999
		125	PA2	824	level 2 pa	assword		-99 999
		Ν.	PAR.	DEF.	DATA-LO	GGING EVLINK		MIN MAX.
		126	rEO	60	data-logg	er sampling inter	rval	0 240 min
		127	rE1	4	recorded	temperature		0 = none 1 = cabinet
								2 = evaporator
								3 = auxiliary
								4 = cabinet and evaporator
								5 = all
		Ν.	PAR.	DEF.	MODBUS			MIN MAX.
		128	LA	247	MODBUS	address		1 247
l		129	Lb	2	MODBUS	baud rate		0 = 2,400 baud
	ld							1 = 4,800 baud
	Tu							2 = 9,600 baud
l								3 = 19,200 baud
l		130	LP	2	parity			0 = none $1 = odd$
_								2 = even
l	\diamond	N.	PAR.	DEF.	BLUETOC	TH		MIN MAX.
	∦	131	bLE	1	enable Bl	uetooth		0 = no 1 = yes
								-
1	9	ALAR	RMS	_			_	
ļ	COD.		CRIPTIC	ON		RESET	TO COR	
		DES	CRIPTI	ON be alarn	n	RESET automatic	TO COR - check	
	COD.	DES cabi	CRIPTIO			automatic automatic	- checl	
	COD. Pr1	DES cabii evap	CRIPTIO net prol porator	be alarn	larm	automatic	- checl - checl	k PO

Category of heat and fire resis	stance	D		
Measurements	Models in plas		111.4 x 76.4 x 48.0 m	
	Open-frame m	nodels	(4 3/8 x 3 x 1 15/16 in) 101.0 x 67.0 x 47.0 m	
			(4 x 2 5/8 x 1 7/8 in)	
Mounting methods for the control device	Models in plas	tic container	To be fitted to a panel, with elastic holding flaps	
	Open-frame m	nodels	To be installed from behind	
			with threaded studs an	
			membrane keypad (ne provided)	
Degree of protection	Models in plas	tic container	IP65 (front), on condition th	
provided by the covering			device is fitted to a met panel with thickness 0.8 m	
			(1/32 in)	
	Open-frame m	nodels	IPOO	
Connection method	for wiros up to f) 5 mm ² (romo	wable screw terminal blocks for	
wires up to 2,5 mm ² by reque		2.5 mm² (remu	vable screw terminal blocks in	
Pico-Blade connector		Micro-MaTch	connector	
Maximum permitted length fo	r connection cab	1	10 (22.0.6)	
Power supply: 10 m (32.8 ft) Digital inputs: 10 m (32.8 ft)		1	uts: 10 m (32.8 ft) s: 10 m (32.8 ft)	
Operating temperature			5 °C (from 23 to 131 °F)	
Storage temperature		1	'0 °C (from -13 to 158 °F)	
Operating humidity		Relative hum 10 to 90%	idity without condensate fro	
Pollution status of the control	device	2		
Conformity	1		1	
RoHS 2011/65/CE	WEEE 2012/19	9/EU	REACH (EC) Regulatio	
EMC 2014/30/UE	1	LVD 2014/35	1907/2006 /UE	
Power supply		1		
12 VAC (+10% -15%), 50/6	50 Hz (±3 Hz),	12 VDC (+10	% -15%), max. 3.5 W insulated	
max. 4 VA insulated Earthing methods for the cont	rol device	None		
Rated impulse-withstand volta		4 KV		
Over-voltage category		Ш		
Software class and structure		A		
Clock			secondary lithium battery (cloo in EVJ203, EVJ204, EVJ205 ar	
		EVJ206)	III 2002007 20020 17 200200 di	
Clock drift			n at 25 °C (77 °F)	
Clock battery autonomy in the	ne absence of a	> 24 h at 25	°C (77 °F)	
power supply Clock battery charging time		24 h (the ba	attery is charged by the power	
		supply of the	device)	
Analogue inputs		2 for PTC or evaporator pr	NTC probes (cabinet probe an	
PTC probes Sensor type		· · · · · ·	990 Ω @ 25 °C, 77 °F)	
Measurement	field	From -50 to 1	50 °C (from -58 to 302 °F)	
Resolution		0.1 °C (1 °F)		
NTC probes Sensor type Measurement	field	1	Ω @ 25 °C, 77 °F) 05 °C (from -40 to 221 °F)	
Resolution		0.1 °C (1 °F)	, , , , , , , , , , , , , , , , , , ,	
Digital inputs	1	1 dry contact		
Dry contact	Contact type		5 VDC, 2 mA None	
	Power supply Protection		None	
Other inputs	1	rable for analo	gue input (auxiliary probe) (
		nulti-purpose in		
Digital outputs			4 for EVJ204 and EVJ214, 3 for EVJ204 relay	
Relay K1	1210200 and EV		es. @ 250 VAC	
		SPST, 30 A re	es. @ 250 VAC in	
Pelay K2		EVJ2?5?2??37 SPDT, 8 A res	??? and EVJ2?6?2??3???	
Relay K2 Relay K3		1	s. @ 250 VAC es. @ 250 VAC	
Relay K4 (not available i	n EVJ203 and	1		
EVJ213)				
Relay K5 (not available in E EVJ204 and EVJ214)	VJ203, EVJ213,	SPST, 5 A res	. @ 250 VAC	
Relay K6 (only available i	n EVJ206 and	SPDT, 8 A res. @ 250 VAC		
EVJ216)				
-		veen each digita	al output connector and the re-	
of the components of the devi Type 1 or Type 2 Actions	Le la	Type 1		
Additional features of Type	1 or Type 2	C		
actions				
Displays Alarm buzzer		Custom displa	ay, 3 digit, with function icons	
Communications ports		Tincorporated		
		1 port for	SD card data-logger modu	
1 TTL MODBUS slave port for	EVCONNECT AN		available in EVJ203, EVJ20	
1 TTL MODBUS slave port for or BMS	Evenineer An			
	Evenineet Arr	EVBD05 (not EVJ205 and E		
	Evenineer Arr			

				O delegate e bastas	Pr3	auxiliary probe alarm	automat	c - chec	k electrical connection		
				9 = dripping heater	rtc	clock alarm	manual	set dat	e, time and day of the week		
				10= button-operated load 1 11= button-operated load 2	AL	low temperature alarm	automat	c check	A0, A1 and A2		
				12= alarm	AH	high temperature alarm	automat	c check /	A4 and A5		
				13= on/stand-by	id	open door alarm	automat	c check i	0 and i1		
96	u4c	2	relay K4 configuration (not		PF	power failure alarm	manual	- touc	h a key		
	440	-	available in EVJ203 and EVJ213)	1 = second compressor				- cheo	k electrical connection		
				2 = evaporator fan	сон	high condensation warning	g automat	c check	26		
				3 = condenser fan	CSd	high condensation alarm	manual	- swit	ch the device off and on		
				4 = defrost				- cheo	k C7		
				5 = cabinet light	iA	multi-purpose input alarm	automat	c check i	5 and i6		
				6 = demisting	iSd	high pressure alarm	manual	- swit	ch the device off and on		
				7 = door heaters				- cheo	k i5, i6, i8, i9		
				8 = heater for neutral zone	LP	low pressure alarm	automat	c check i	5 and i6		
				9 = dripping heater							
				10= button-operated load 1	C1t	compressor thermal swit	tch automat	c check i	5 and i6		
				11= button-operated load 2		alarm					N.B.
				12= alarm	C2t	second compressor thern	nal automat	c check i	5 and i6		The device must be disposed of according to local regulations governing the collection
			l I	13= on/stand-by		switch alarm					of electrical and electronic waste.
					dFd	defrost timeout alarm	manual		h a key		
									k d2, d3 and d11		cument and the solutions contained therein are the intellectual property of EVCO and thus
					FUL	SD card full alarm	manual		p space on the SD card or		d by the Italian Intellectual Property Rights Code (CPI). EVCO imposes an absolute ban on the
								replace			artial reproduction and disclosure of the content other than with the express approval of EVCO.
					Sd	No SD card inserted alarm	n manual	insert	he SD card or replace it		tomer (manufacturer, installer or end-user) assumes all responsibility for the configuration of the
											EVCO accepts no liability for any possible errors in this document and reserves the right to make inges, at any time without prejudice to the essential functional and safety features of the
					10	TECHNICAL SPECIFICAT	IONS			equipme	
					Duran			Function contr		equiprile	501.
					· ·	se of the control device			· · · ·		EVCO S.p.A.
					Constr	uction of the control device		Built-in electro	Black, self-extinguishing		Via Feltre 81, 32036 Sedico (BL) ITALY
					Contai	· · · · · · · · · · · · · · · · · · ·	odels in plasti				Tel. 0437/8422 Fax 0437/83648
						0	pen-frame mo	deis	Open-frame board	Ever	yControlGroup email info@evco.it web www.evco.it
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