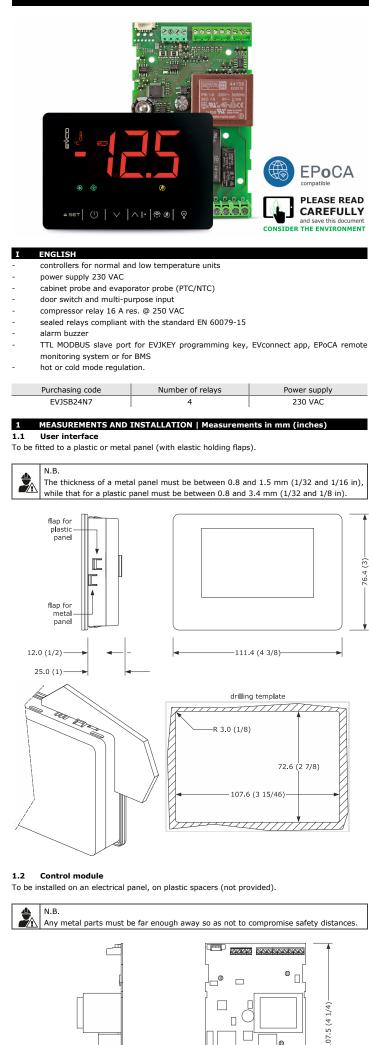
EVJ Basic Split

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Split-version controllers for refrigerated units 2 ELECTRICAL CONNECTION

N.B.

1.

2.

PAR.

SP

P0

P2 0

d1

4

5.

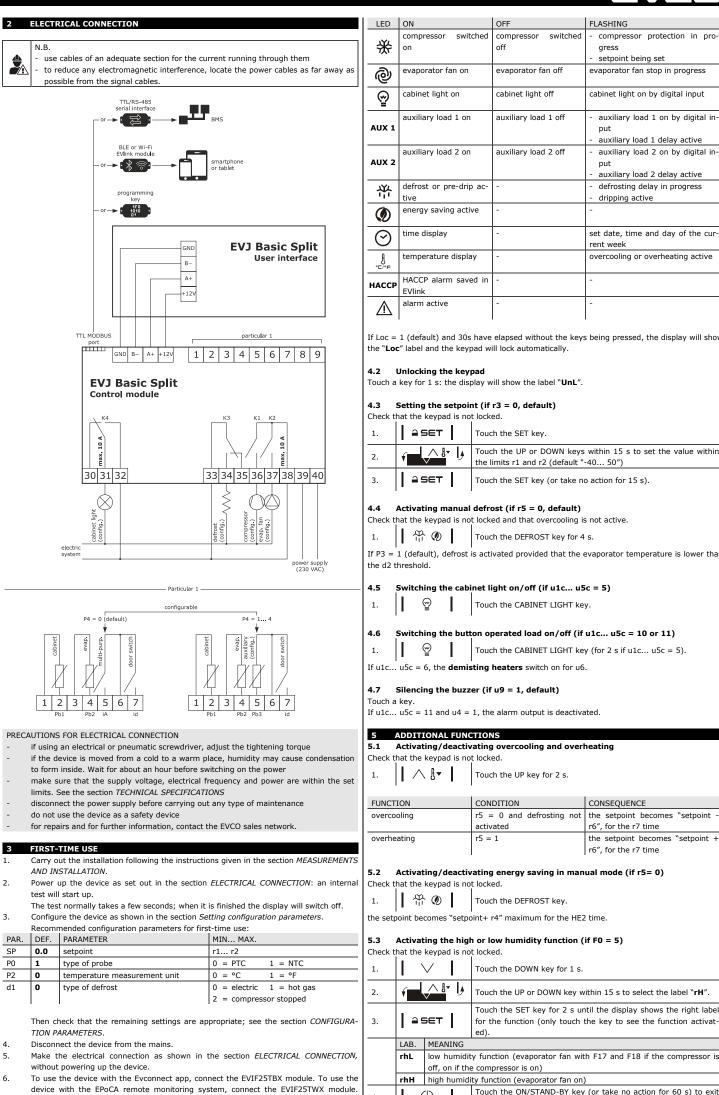
0.0

1

0



FLASHING



When connecting to an RS-485 network, connect the EVIF22TSX interface. To activate

real-time functions, connect the EVIE23TSX module.

If using EVIF22TSX or EVIF23TSX, set the bLE parameter to 0.

₩	on	off	gress - setpoint being set		
@	evaporator fan on	evaporator fan off	evaporator fan stop in progress		
୍ଦ୍ର	cabinet light on	cabinet light off	cabinet light on by digital input		
AUX 1	auxiliary load 1 on	auxiliary load 1 off	 auxiliary load 1 on by digital in- put auxiliary load 1 delay active 		
AUX 2	auxiliary load 2 on	auxiliary load 2 off	 auxiliary load 2 on by digital in- put auxiliary load 2 delay active 		
脊	defrost or pre-drip ac- tive	-	 defrosting delay in progress dripping active 		
٢	energy saving active	-	-		
\odot	time display	-	set date, time and day of the cur- rent week		
⊂/°F	temperature display	-	overcooling or overheating active		
НАССР	HACCP alarm saved in EVlink	-	-		
\wedge	alarm active	-	-		

OFF

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.

4.2 Unlocking the keypad

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

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

Check that the keypad is not locked.

1.		Touch the SET key.
2.	f	Touch the UP or DOWN keys within 15 s to set the value within the limits r1 and r2 (default "-40 $50''$)
3.	aset	Touch the SET key (or take no action for 15 s).

4.4 Activating manual defrost (if r5 = 0, default)

Check that the keypad is not locked and that overcooling is not active.

1.	11 W	Touch the DEFROST key for 4 s.
----	------	--------------------------------

If P3 = 1 (default), defrost is activated provided that the evaporator temperature is lower than the d2 threshold.

.5	Switching	the cabinet	light on/off	(if u1c	u5c = 5)

 Θ Touch the CABINET LIGHT key.

5	Switching the button operated load on/off (if u1c u5c = 10 or 11)

Touch the CABINET LIGHT key (for 2 s if u1c...u5c = 5). Θ

If u1c...u5c = 6, the **demisting heaters** switch on for u6.

Silencing the buzzer (if u9 = 1, default)

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

ADDITIONAL FUNCTIONS

5.1 Activating/deactivating overcooling and overheating									
Check that the keypad is not locked.									
1. A 🗸	Touch the UP key for 2 s.								
FUNCTION	CONDITION	CONSEQUENCE							
overcooling	r5 = 0 and defrosting not activated	the setpoint becomes "setpoint - r6", for the r7 time							
overheating	r5 = 1	the setpoint becomes "setpoint +							

r6", for the r7 time

- 5.2 Activating/deactivating energy saving in manual mode (if r5= 0)
- Check that the keypad is not locked.
 - 日本 🔊 Touch the DEFROST key.

the setpoint becomes "setpoint+ r4" maximum for the HE2 time.

Activating the high or low humidity function (if F0 = 5)

Check that the keypad is not locked. $\backslash /$ Touch the DOWN key for 1 s. <u> ^ 8</u> | Touch the UP or DOWN key within 15 s to select the label "rH". Touch the SET key for 2 s until the display shows the right label **≙** SET for the function (only touch the key to see the function activated) LAB. MEANING 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 take no action for 60 s) to exit 4. L \bigcirc the procedure.

Displaying/deleting compressor functioning hours 5.4

INSTALLATION PRECAUTIONS

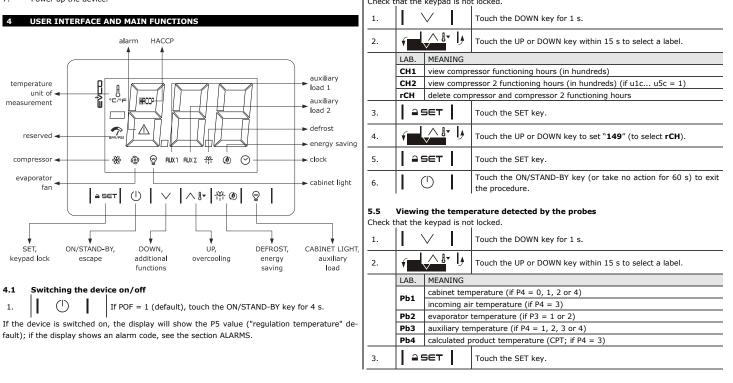
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ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFICATIONS section

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66.5 (2 5/8)

- 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 or shocks
- 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.



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4.	\square	Touch the ON/STAND-BY key (or take no action for 60 s) to exit					
4.		the procedure.					
6	SETTINGS	• · · · ·					
6.1	Setting configurat	ion parameters					
1.	≙ SET	Touch the SET key for 4 s: the display will show the label $``{\bf PA}''.$					
2.	- SET	Touch the SET key.					
3.	f A I	Touch the UP or DOWN key within 15 s to set the PAS value (default "-19").					
4.	≙ SET	Touch the SET key (or take no action for 15 s): the display will show the label "SP".					
5.	ا •∎ <u>♦</u>	Touch the UP or DOWN key to select a parameter.					
6.	≙ SET	Touch the SET key.					
7.	ا •∎ <u>♦</u>	Touch the UP or DOWN key within 15 s to set the value.					
8.	- SET	Touch the SET key (or take no action for 15 s).					
9.	≙SET	Touch the SET key for 4 s (or take no action for 60 s) to exit the procedure.					

6.2 Setting the date, time and day of the week (if the EVIF25TBX, EVIF25TWX or EVIF23TSX module is connected)

	N.B.						
	- do i	not disconne	ct the device from the mains in the two minutes after setting the				
n	date	e, time and d	ay of the week				
1 ~ O	- if th	e device con	municates with the EVconnect app or the EPoCA remote monitor-				
	ing system, the date, time and day of the week will be automatically set by						
	sma	artphone or ta	ablet.				
Check t	hat the	keypad is no	t locked.				
1.	`	\checkmark	Touch the DOWN key for 4 s.				
2.	۲,		Touch the UP or DOWN key within 15 s to select the label " \mbox{rtc}'' .				
3.	 ≙ €	ЭЕТ	Touch the SET key: the display will show the label " yy " followed by the last two figures of the year.				
4.	Ý		Touch the UP or DOWN key within 15 s to set the year.				
5.	Repea	t actions 3 ar	nd 4 to set the next labels.				
	LAB.	MEANING C	OF THE NUMBERS FOLLOWING THE LABEL				
	n	month (01	. 12)				
	d	day (01 3	1)				
	h	hour (00 2	23)				
	n	minutes (00) 59)				
6.	1 24	ет	Touch the SET key: the display will show the label for the day of				
			the week.				
7.	£	<u>^8</u>	Touch the UP or DOWN key within 15 s to set the day of the				
			week.				
	LAB.	MEANING					
	Mon	Monday					
	tuE Tuesday						
	UEd	Wednesday					
	thu	Thursday					
	Fri	Friday					
	Sat	Saturday					
	Sun	Sunday					
8.	≙9	SET	Touch the SET key: the device will exit the procedure.				
9.			Touch the ON/STAND-BY key to exit the procedure beforehand.				
<i>c</i> 7							

6.3 Restoring factory (default) settings

¢,	 N.B. check that the factory settings are appropriate; see the section CONFIGURATION PARAMETERS. saving customised settings overwrites the factory settings. 								
1.		SET		Touch the SET key for 4 s: the display will show the label "PA".					
2.	1	SET		Touch the SET key.					
3.	Ý	FNL V	₩ •	Touch the UP or DOWN key within	15 s to set the value.				
	VAL	MEA	NING						
	149	_		storing the factory information (defa	ault)				
4.	1 4	SET	1	Touch the SET key (or take no ac show the label "dEF".					
5.	1 4	SET		Touch the SET key.					
6.	Ý	\wedge	•	Touch the UP or DOWN key within	15 s to set " 4 ".				
				Touch the SET key (or take no ac	tion for 15 s): the display will				
7.	4	SET		show "" flashing for 4 s, afte					
8	Disc	onnect	the day	procedure.					
8.	1		1	ice from the power supply. Touch the SET key for 2 s before	action 6 to exit the procedure				
9.	•	SET		beforehand.					
7	CON	FIGUR	ATION	PARAMETERS					
ſĴ≣	NO.	PAR.	DEF.	SETPOINT	MIN MAX.				
	1	SP	0.0	setpoint	r1 r2				
	NO.	PAR.	DEF.	ANALOGUE INPUTS	MIN MAX.				
	2	CA1	0.0	cabinet probe offset	-25 25 °C/°F				
					if P4 = 3, incoming air probe offset				
	3	CA2	0.0	evaporator probe offset	-25 25 °C/°F				
	4	CA3	0.0	auxiliary probe offset	-25 25 °C/°F				
	5	P0	1	type of probe	0 = PTC $1 = NTC$				
	6	P1	1	enable decimal point °C	0 = no 1 = yes				
	7	P2	0	temperature measurement unit	0 = °C $1 = °F$				
	8 P3 1		1	evaporator probe function	0 = disabled				
					1 = defrost + fans 2 = fans				
	9	P4	0	configurable input function	0 = digital input				
					1 = condenser probe				
\cap					2 = critical temp. probe				
U,					3 = outgoing air probe				
					4 = evaporator probe 2 if P4 = 3 regulation tempora-				
					if P4 = 3, regulation tempera- ture = product temperature				
					(CPT)				
	10	P5	0	value displayed	0 = regulation temperature				
					1 = setpoint				
					2 = evaporator temp.3 = auxiliary temperature				
					4 = incoming air tempera-				
					ture				
	11	P7	50	incoming air effect to calculate	0 100 %				
				product temperature (CPT)	CPT = {[(P7 x (incoming air)] + [(100 - P7) x				
					(outgoing air)] : 100}				
	12	P8	5	display refresh time	0 250 s: 10				
1	NO.	PAR.	DEF.	REGULATION	MIN MAX.				

	13	r0	2.0	setpoint differential	1 15 °C/°F if u1c u5c 1, proportional band
	14 15	r1 r2	-40 50.0	minimum setpoint maximum setpoint	-99 °C/°F r2 r1 199 °C/°F
	16 17	r3 r4	0.0	enable setpoint lock setpoint offset in energy saving	0 = no 1 = yes 0 99 °C/°F
	18	r5	0	hot or cold mode regulation	0 = cold mode 1 = hot mode
	19	r6	0.0	setpoint offset in overcool- ing/overheating	0 99 °C/°F
	20 21	r7 r8	0	duration overcooling/overheating DOWN key additional function	0 240 min 0 = disabled
	22	r12	1	differential position r0	1 = overcooling/overheating 2 = energy saving 0 = asymmetrical
	NO.	PAR.	DEF.	COMPRESSOR	1 = symmetrical MIN MAX.
	23	C0	0	compressor-on delay from pow- er-on	0 240 min
	24	C1	5	delay between two compressor switch-ons	0 240 min
	25 26	C3 0		minimum compressor-off time minimum compressor-on time	0 240 min 0 240 s
	27	C4	10	compressor-off time in cabinet probe alarm	0 240 min
	28	C5	10	compressor-on time in cabinet probe alarm	0 240 min
	29	C6	80.0	high condensation signal thresh- old	0 199 °C/°F differential = 2 °C/4 °F
	30	C7	90.0	high condensation alarm thresh- old	0 199 °C/°F
U	31 32	C8 C10	1	high condensation alarm delay compressor days for mainte-	0 15 min 0 999 days
	33	C11	10	nance compressor 2 on delay	0 = disabled 0 240 s
	34	C12	2	compressor hour value effect to balance hours and switch-ons (BHC)	0 10 BHC = {[C12 x (compressor hours)] + [C13 x (compres- sor switch-ons)]}
	35	C13	1	compressor switch-ons value ef- fect to balance hours and switch- ons (BHC)	0 10 BHC = {[C12 x (compressor hours)] + [C13 x (compres-
	36	C14	1	constraint between compressors	sor switch-ons)]} 0 = function of C11 1 = function of r0 2 = function of C12 and C13
	NO. 37	PAR. d00	DEF.	DEFROSTING (if r5 = 0) enable "b" mode parameters on	MIN MAX. 0 = no 1 = yes
	38	d01	1.0	setpoint threshold setpoint threshold to activate "b"	r1 r2
	39	d0	8	mode parameters automatic defrost interval	activated if setpoint > d01 0 99 h
			-		0 = manual only if d8 = 3, maximum interval
	40	d0b	6	automatic defrost interval "b" mode	like d0
	41	d1	0	type of defrost	0 = electric 1 = hot gas (do not use with regulation with 2 com- pressors)
	42	d1b	2	type of defrost "b" mode	2 = compressor stopped like d1
	43 44			defrost end threshold defrost end threshold "b" mode	-99 99 °C/°F like d2
	45	d3	30	defrost duration	0 99 min if P3 = 1, maximum duration
	46 47	d3b d4	20 0	defrost duration "b" mode enable defrost at power-on	like d3 0 = no 1 = yes
	48 49	d5 d6	0	defrost delay from power-on value displayed when defrosting	0 99 min 0 = regulation temperature
					1 = locked display 2 = label dEF
	50 51	d7 d7b	0 2	dripping time dripping time "b" mode	0 15 min like d7
۰,	52	d8 d9	0	defrost interval count mode evaporation threshold for auto- matic defrost interval count	0 = hours device on 1 = hours compressor on 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = in real time -99 99 °C/°F
	54 55	d11 d15	0	enable defrost timeout alarm compressor-on consecutive time	0 = no 1 = yes -20 99 min
		41.0	-	for hot gas defrost	if values are negative, drip- ping heaters on time
	56 57	d16 d18	0 40	pre-dripping time for hot gas de- frost adaptive defrost interval	0 99 min 0 999 min
					if compressor on + evapora- tor temperature < d22 0 = manual only
	58	d19	3.0	adaptive defrost threshold (rela- tive to optimal evaporation tem- perature)	0 40 °C/°F optimal evaporation tempera- ture - d19
	59	d20	180	compressor-on consecutive time for defrost	
	60	d21	200	compressor-on consecutive time for defrost from power-on and from overcooling	0 500 min if (regulation temperature - setpoint) > 10°C/20 °F
	61	d22	-2.0	evaporation threshold for adap- tive defrost interval count (rela- tive to optimal evaporation tem- poratura)	0 = disabled -10 10 °C/°F optimal evaporation tempera- ture + d22
	62	d25	0	perature) enable outgoing air probe for de- frost in evaporator probe alarm	0 = no 1 = yes
	63	d26	6	frost in evaporator probe alarm defrost interval in evaporator probe alarm	0 99 h 0 = manual only if d25 = 1
	NO. 64	PAR. A0	DEF.	ALARMS select value for high/low temper- ature alarms	MIN MAX. 0 = regulation temperature 1 = evap. temperature 2 = auxiliary temperature
	65 66	A1 A2	0.0	low temperature alarm threshold type of low temperature alarm	-99 99 °C/°F 0 = disabled 1 = relative to setpoint
		' A4 0.0 hi		high temperature alarm thresh-	2 = absolute -99 99 °C/°F
	67	A4		lold	
	67 68	A4 A5	0	old type of high temperature alarm	0 = disabled 1 = relative to setpoint 2 = absolute
			0	type of high temperature alarm high temperature alarm delay from power-on	1 = relative to setpoint
	68	A5		type of high temperature alarm high temperature alarm delay	1 = relative to setpoint 2 = absolute

	72	A9	15	high temperature alarm delay	0 240 min
	73	A10	10	from door closure duration of power failure for	0 240 min
	74	A11	2.0	showing/saving alarm high/low temperature alarm re-	0 = disabled 1 15 °C/°F
	75	A12	1	set differential type of power failure alarm signal	0 = disabled 1 = LED HACCP + label PF +
					buzzer (if duration > A10)
	NO. 76	PAR. F0	DEF.	FANS evaporator fan mode in normal	MIN MAX. 0 = off 1 = on
				function	2 = on if compressor on 3 = thermoregulated (with regulation temperature
					+ F1) 4 = thermoregulated (with regulation temperature
					+ F1) if compressor on 5 = function of F6
					6 = thermoregulated (with F1)
	77	F0b	1	evaporator fan mode in normal	7 = thermoregulated (with F1) if compressor on like F0
	78	F1	-4.0	function "b" mode evaporator fans regulation	-99 99 °C/°F
	79	F2	0	threshold evaporator fan mode in defrost	0 = off 1 = on
	80	F2b	0	and drip mode evaporator fan mode in defrost and drip mode	2 = function of F0 like F2
S	81	F3	2	maximum time evaporator fans off	0 15 min
	82 83	F3b F4	2	maximum time evaporator fans off time evaporator fans off in ener-	like F3
	84	F5	30	gy saving time evaporator fans on in ener-	if F0 ≠ 5 0 240 s x 10
	85	F6	0	gy saving function for high/low humidity	if F0 \neq 5 0 = for low humidity (with
					F17 and F18 if compres- sor off, on if compressor on)
	86	F7	5.0	evaporator fans on threshold from dripping (relative to set-	1 = for high humidity (on) -99 99 °C/°F setpoint + F7
	87	F8	2.0	point) evaporator fans regulation	1 15 °C/°F
	88	F9	10	threshold differential evaporator fans off delay from	0 240 s
	89 90	F11 F12	15.0 30	compressor off condenser fans on threshold condenser fans off delay from	if F0 = 2 or 5 0 99 °C/°F 0 240 s
	NO.	PAR.	DEF.	compressor off DIGITAL INPUTS	if P4 ≠ 1 MIN MAX.
	91	i0	5	door switch input function	0 = disabled 1 = compressor + evapora-
					tor fans off 2 = evaporator fans off
					3 = cabinet light on 4 = compressor + evapora-
					tor fans off, cabinet light on
	92	i1	0	door switch input activation	 5 = evaporator fans off, cab- inet light on 0 = with contact closed
	52	11			1 = with contact open
	93	i2	30	door open alarm delay	-1 120 min
	93 94	i2 i3	30 15	door open alarm delay maximum time for inhibiting reg-	-1 120 min -1 = disabled -1 120 min
				door open alarm delay maximum time for inhibiting reg- ulation with door open multi-purpose input function	-1 = disabled
	94	i3	15	maximum time for inhibiting reg- ulation with door open	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA
	94	i3	15	maximum time for inhibiting reg- ulation with door open	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on
¢	94	i3	15	maximum time for inhibiting reg- ulation with door open	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on
¢	94	i3	15	maximum time for inhibiting reg- ulation with door open	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off
	94	i3	15	maximum time for inhibiting reg- ulation with door open	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key
¢	94	i3	15	maximum time for inhibiting reg- ulation with door open	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t
क्से	94	i3 i5	15	maximum time for inhibiting reg- ulation with door open multi-purpose input function	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact copen 0 120 min if i5 = 3 or 7, compressor on
द्मे	94 95 96	i3 i5 i6	15 0 0	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = s or 7, compressor on delay from alarm reset 0 15
	94 95 95 96 97	i3 i5 i6 i7	15 0 0 0	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = si or 7, compressor on delay from alarm reset
¢	94 95 95 96 97 98	i3 i5 i6 i7 i8	15 0 0 0 0	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = or 7, compressor on delay from alarm reset 0 15 0 = disabled if 15 = 3
¢	94 95 95 96 97 98 99	i3 i5 i6 i7 i8 i9	15 0 0 0 0 240	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pres- sure alarm	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 =
¢	94 95 95 96 97 98 99	i3 i5 i6 i7 i8 i9	15 0 0 0 0 240	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pres- sure alarm door closed consecutive time for energy saving number of door openings for de-	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact copen 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 = disabled if is 5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240
	94 95 96 97 98 99 99 100	i3 i5 i6 i7 i8 i9 i10	15 0 0 0 0 240 0	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pres- sure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min
C	94 95 96 97 98 99 100	i3 i5 i6 i7 i8 i9 i10 i13 i14 PAR.	15 0 0 0 240 0 180	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = so 7, compressor on delay from alarm reset 0 15 0 = disabled if is = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX.
•	94 95 96 97 98 99 100 101 102 NO.	i3 i5 i6 i7 i8 i9 i10 i13 i14	15 0 0 0 0 240 0 180 32 DEF.	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = operated 0 15 0 = disabled 0 999 min after cabinet temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled
C	94 95 96 97 98 99 100 101 102 NO.	i3 i5 i6 i7 i8 i9 i10 i13 i14 PAR.	15 0 0 0 0 240 0 180 32 DEF.	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 min 0 = compressor 1 1 = compressor 2 2 = evaporator fans 3 = condenser fans 4 = defrosting
	94 95 96 97 98 99 100 101 102 NO.	i3 i5 i6 i7 i8 i9 i10 i13 i14 PAR.	15 0 0 0 0 240 0 180 32 DEF.	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = compressor 1 1 = compressor 2 2 e evaporator fans 3 = condenser fans 4 = defrosting 5 = cabinet light 6 = demisting
C	94 95 96 97 98 99 100 101 102 NO.	i3 i5 i6 i7 i8 i9 i10 i13 i14 PAR.	15 0 0 0 0 240 0 180 32 DEF.	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 0 = disabled 0 240 0 = disabled MIN MAX. 0 = compressor 1 1 = compressor 2 2 = evaporator fans 3 = condenser fans 4 = defrosting 5 = cabinet light 6 = demisting 7 = dor heaters 8 = heaters for neutral zone
	94 95 96 97 98 99 100 101 102 NO.	i3 i5 i6 i7 i8 i9 i10 i13 i14 PAR.	15 0 0 0 0 240 0 180 32 DEF.	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = compressor 1 1 = compressor 2 2 = evaporator fans 3 = condenser fans 4 = defrosting 5 = cabinet light 6 = demisting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters 10 = button-operated load 1
	94 95 96 97 98 99 100 101 102 NO.	i3 i5 i6 i7 i8 i9 i10 i13 i14 PAR.	15 0 0 0 0 240 0 180 32 DEF.	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact open 0 120 min if 15 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled 11 = compressor 1 1 = compressor 1 1 = compressor 1 2 = evaporator fans 3 = condenser fans 4 = defrosting 5 = cabinet light 6 = demisting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters
*	94 95 96 97 98 99 100 101 102 NO.	i3 i5 i6 i7 i8 i9 i10 i13 i14 PAR.	15 0 0 0 0 240 0 180 32 DEF.	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm IA 3 = alarm ISd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 0 = disabled if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled 1 = compressor 1 1 = compressor 1 1 = compressor 2 2 = evaporator fans 3 = condenser fans 4 = defrosting 5 = cabinet light 6 = demisting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters 10 = button-operated load 1 11 = button-operated load 2 12 = alarm
×	94 95 96 97 98 99 100 101 102 NO.	i3 i5 i6 i7 i8 i9 i10 i13 i14 PAR.	15 0 0 0 0 240 0 180 32 DEF.	maximum time for inhibiting reg- ulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact copen 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP
*	94 95 96 97 98 99 100 101 102 103	i3 i5 i6 i7 i8 i10 i11 i13 i14 PAR. u1c	15 0 0 0 240 0 240 0 180 32 180 32 0 5 2	maximum time for inhibiting regulation with door open multi-purpose input function multi-purpose input function multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm door closed consecutive time for energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS K1 relay configuration K2 relay configuration	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 0 = disabled 0 240 0 = disabled MIN MAX. 0 = compressor 1 1 = compressor 2 2 = evaporator fans 3 = condenser fans 4 = defrosting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters 10= button-operated load 1 11= button-operated load 2 12= alarm
*	94 95 96 97 98 99 100 101 102 103	i3 i5 i6 i7 i7 i8 i3 i10 i11 u10 u10 u12 u12 u22 u32 u42	15 0 0 0 0 240 0 180 32 32 32 0 5	maximum time for inhibiting regulation with door open multi-purpose input function multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for defrost DIGITAL OUTPUTS K1 relay configuration K2 relay configuration K2 relay configuration K3 relay configuration	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 min 0 = compressor 1 1 = compressor 2 2 = evaporator fans 3 = condenser fans 4 = defrosting 5 = cabinet light 6 = demisting
*	94 95 96 97 98 99 100 101 102 103	i3 i5 i6 i7 i7 i10 i11 i14 u1c u1c	15 0 0 0 0 240 0 180 32 32 0 180 32 4 5 0	maximum time for inhibiting regulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input alarm delay ativations for high pressure alarm door closed consecutive time for energy saving number of door openings for defrost DIGITAL OUTPUTS K1 relay configuration K2 relay configuration K3 relay configuration K4 relay configuration enable cabinet light and load in stand-by using the key	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = compressor 1 1 = compressor 2 2 = evaporator fans 3 = condenser fans 4 = defrosting 5 = cabinet light 6 = demisting 7 = door heaters 8 = heater
*	94 95 95 97 97 98 99 97 100 101 102 103	i3 i5 i6 i7 i8 i10 i10 i113 i14 PAR. u1c u1c	15 0 0 0 0 240 0 240 0 180 32 0 180 32 2 4 5 0 0	maximum time for inhibiting regulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input activations for high pressure alarm counter reset time for high pressure alarm door closed consecutive time for energy saving number of door openings for defrost DIGITAL OUTPUTS K1 relay configuration K2 relay configuration K2 relay configuration K4 relay configuration K4 relay configuration k4 relay configuration k4 relay configuration	-1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm iA 3 = alarm iSd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C2t 0 = with contact closed 1 999 min off is = 3 1 999 min after cabinet temperature < SP
 * 	94 95 96 97 98 99 100 101 102 103	i3 i5 i6 i7 i7 i10 i11 i14 u1c u1c	15 0 0 0 0 240 0 180 32 32 0 180 32 4 5 0	maximum time for inhibiting regulation with door open multi-purpose input function multi-purpose input activation multi-purpose input activation multi-purpose input alarm delay number of multi-purpose input alarm delay ativations for high pressure alarm door closed consecutive time for energy saving number of door openings for defrost DIGITAL OUTPUTS K1 relay configuration K2 relay configuration K3 relay configuration K4 relay configuration enable cabinet light and load in stand-by using the key	 -1 = disabled -1 120 min -1 = until closed 0 = disabled 1 = energy saving 2 = alarm IA 3 = alarm ISd 4 = load 1 operated by on key 5 = load 2 operated by on key 6 = switches device on/off 7 = alarm LP 8 = alarm C1t 9 = alarm C2t 0 = with contact closed 1 = with contact closed 0 = disabled if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled if i5 = 3 1 999 min after cabinet temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled 0 = disabled 1 = compressor 1 1 = compressor 1 1 = compressor 2 2 = evaporator fans 3 = condenser fans 4 = defrosting 5 = cabinet light 6 = demisting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters 10 = button-operated load 1 11 = button-operated load 2 12 = alarm 13 = on/stand-by 14 = evaporator fans 2 15 = defrosting 2 16 = speed 2 evaporator fans 17 = reversible cond. fans 18 = speed 2 cond. fans 18 = ulc 11 = with alarm not active

EVCO S.p.A. EVJ Basic Split Instruction sheet ver. 1.0 Code 104JBSE103 Page 3 of 3 PT 49/18											
	112	u6	5	duration demisting on		1 120 min					
	112	7	5.0	noutral zong for booting through		1 = on/off by pressing key					
	113	u7	-5.0	neutral zone for heating thresh- old (relative to setpoint)		-99 99 °C/°F differential = 2 °C/4 °F setpoint + u7					
	114	u9	1	enable al	enable alarm buzzer		0 = no 1 = yes				
	NO.	PAR.	DEF.	CLOCK			MIN MAX.				
	115	Hr0	0	enable cl	ock		0 = no 1 = yes				
.	NO.	PAR.	DEF.		SAVING (if $r5 = 0$		MIN MAX.				
	116	HE2	0		n duration energy		0 999 min 0 = until door opened				
<u>_</u>	NO.	PAR.	DEF.	(if r5 = 0	SAVING IN REA ; visible if Hr0=1		MIN MAX.				
Ŧ	117	H01	0		aving time		0 23 h				
	118 NO.	H02 PAR.	DEF.		n duration energy NG ON/OFF IN		0 24 h MIN MAX.				
				TIME (vis	ible if Hr0=1)						
	119	Hon	h-	time devi	ce switch-on		0 h- h- = disabled				
Ē	120	HoF	h-	time devi	ce switch-off		0 h- h- = disabled				
шu	121	Hc1	h-	1st time fans on	e reversible cor	ndenser	0 h- h- = disabled				
							for time F20				
	122	Hc2	h-	2nd time	e reversible cor	ndenser	0 h-				
				fans on			h-= disabled				
							for time F20				
	NO.	PAR.	DEF.	d8 = 4; v	ING IN REAL T visible if Hr0=1)	IME (If	MIN MAX.				
	123	Hd1	h-	1st daily	defrosting time		0 h- h- = disabled				
	124	Hd2	h-	2nd daily	defrosting time		0 h- h-= disabled				
٥O	125	Hd3	h-	3rd daily defrosting time			0 h- h- = disabled				
	126	Hd4	h-	4th daily defrosting time			0 h- h- = disabled				
	127	Hd5	h-	5th daily	defrosting time		0 h- h- = disabled				
	128	Hd6	h-	6th daily defrosting time			0 h- h- = disabled				
	NO.	PAR.	DEF.	SECURIT	Y		MIN MAX.				
	129	POF	1	enable Ol	N/STAND-BY key		0 = no 1 = yes				
Γ	130	Loc	1	enable keypad lock			0 = no 1 = yes				
O	131	PAS	-19	password			-99 999				
	132	PA1	426		password		-99 999				
	133 NO.	PA2 PAR.	824 DEF.	EVLINK	password DATA-LOGGING	-99 999 MIN MAX.					
	124	-50	15	if Hr0=1)			0 240 min				
	134 135		15		er sampling inter	-	0 240 min 0 = none 1 = cabinet				
LOG	133	rE1	1	ger	mperature for data log-		0 = none 1 = cabinet 2 = evaporator				
											3 = auxiliary
							4 = cabinet and evaporator				
							5 = all				
	NO.	PAR.	DEF.	MODBUS			MIN MAX.				
	136	LA	247	MODBUS			1 247				
	137	Lb	2	MODBUS	baud rate		0 = 2,400 baud				
Id							1 = 4,800 baud 2 = 9,600 baud				
_							3 = 19,200 baud				
	138	LP	2	MODBUS	parity		0 = none 1 = odd				
							2 = even				
	NO.	PAR.	DEF.	EVLINK			MIN MAX.				
*	139	bLE	1	serial poi nectivity	t configuration f	0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address					
8	ALAR	MS									
0000		NITNO			DECET	TO 00-	DECT				
CODE			ho alar		RESET	TO COR					
Pr1 Pr2	1		be alarn probe a		automatic automatic	- check	<pre>< the integrity of the probe</pre>				
	evaporator probe alarm automatic - chec			,							

automatic

automatic

automatic

automatic

automatio

manual

automatic

manual

automatic

manual

automatic

manual

manual

- check electrical connection

check the electrical connection

check electrical connection

switch the device off and on

switch the device off and on check i5, i6, i8, i9

check A0, A1 and A2

check A4 and A5

touch a key

check i0 and i1

check C7

check i5 and i6

check i5 and i6

check i5 and i6

check i5 and i6

touch a key

- check d2, d3 and d11

check C6

set date, time and day of the week

EMC 2014/30/EU LVD 2014/35/EU. Power supply: user interface: powerd by the control module: 230 VAC (+10% -15%), 50/60 Hz (±3 Hz), max. 2 VA insulated. Earthing methods for the control device: none. Rated impulse-withstand voltage: 4 KV. Over-voltage category: III. S0/60 Hz (±3 Hz), max. 2 VA insulated. Software class and structure: A. Analogue inputs: 2 for PTC or NTC probes (cabinet probe and evaporator probe) PTC probes: Type of sensor: KTY 81-121 (990 Ω @ 25 °C, 77 °F) Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: 83435 (10 KΩ @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 dry contact: 5 VDC, 1.5 mA dry: Power supply: none. Digital outputs: none. 1 supt case @ 250 VAC K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: K2 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 16 A r				
user interface: powered by the control mod- ule 50/60 Hz (±3 Hz), max. 2 VA insulated. Farthing methods for the control device: none. Rated impulse-withstand voltage: 4 KV. Over-voltage category: III. Software class and structure: A. Analogue inputs: 2 for PTC or NTC probes (cabinet probe and evaporator probe) PTC probes: Type of sensor: KTY 81-121 (990 Ω @ 25 °C, 77 °F) Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: B3435 (10 KΩ @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 dry contact (door switch). Other inputs: 5 VDC, 1.5 mA Power supply: none Protection: none. Digital outputs: 5 VDC, 1.5 mA Power supply: none Protection: none. Digital outputs: SPST, 16 A res. @ 250 VAC K1 relay: SPST, 16 A res. @ 250 VAC K3 relay: SPST, 16 A res. @ 250 VAC K4 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 16 A res. @ 250 VAC K3 relay: SPDT, 16 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 16 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16	EMC 2014/30/E	.U	LVD 2014/35/EU.	
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Earthing methods for the control device: none. Rated impulse-withstand voltage: 4 KV. Over-voltage category: III. Software class and structure: A. Analogue inputs: 2 for PTC or NTC probes (cabinet probe and evaporator probe) PTC probes: Type of sensor: KTY 81-121 (990 Ω @ 25 °C, 77 °F) Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: B3435 (10 KΩ @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 dry contact (door switch). Other inputs: 1 upp of contact: 5 VDC, 1.5 mA Power supply: none. none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC <td>user interface:</td> <td>powered by the control mod-</td> <td colspan="2">control module: 230 VAC (+10% -15%),</td>	user interface:	powered by the control mod-	control module: 230 VAC (+10% -15%),	
Rated impulse-withstand voltage: 4 KV. Over-voltage category: III. Software class and structure: A. Analogue inputs: 2 for PTC or NTC probes (cabinet probe and evaporator probe) PTC probes: Type of sensor: KTY 81-121 (990 Ω @ 25 °C, 77 °F) Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: 63435 (10 K Ω @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA dry: Power supply: none Protection: none. 1 Digital outputs: SPST, 16 A res. @ 250 VAC K1 relay: SPST, 5 A res. @ 250 VAC K2 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VA	ule		50/60 Hz (±3 Hz), max. 2 VA insulated.	
Number Number Over-voltage category: III. Software class and structure: A. Analogue inputs: 2 for PTC or NTC probes (cabinet probe and evaporator probe) PTC probes: Type of sensor: KTY 81-121 (990 Ω @ 25 °C, 77 °F) Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: B3435 (10 KG @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multipurpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA dry: Power supply: none. Digital outputs: none. 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPDT, 16 A res. @ 250 VAC KS PST, 5 A res. @ 250 VAC K2 relay: SPDT, 8 A res. @ 250 VAC SPDT, 16 A res. @ 250 VAC. <t< td=""><td colspan="2">Earthing methods for the control device:</td><td colspan="2"></td></t<>	Earthing methods for the control device:			
Software class and structure: A. Analogue inputs: 2 for PTC or NTC probes (cabinet probe and evaporator probe) PTC probes: Type of sensor: KTY 81-121 (990 Ω @ 25 °C, 77 °F) Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: B3435 (10 KΩ @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multipurpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA Power supply: none Potection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT	Rated impulse-withstand voltage:		4 KV.	
Analogue inputs: 2 for PTC or NTC probes (cabinet probe and evaporator probe) PTC probes: Type of sensor: KTY 81-121 (990 Ω @ 25 °C, 77 °F) Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: 63435 (10 KΩ @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA Power supply: none Potection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPST, 5 A res. @ 250 VAC K4 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay:	Over-voltage category:		III.	
PTC probes: Type of sensor: KTY 81-121 (990 Ω @ 25 °C, 77 °F) Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: B3435 (10 KΩ @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 dry contact (door switch). Other inputs: 1 linput can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA dry: Power supply: none Power supply: none none. Digital outputs: SPST, 16 A res. @ 250 VAC K1 relay: SPST, 5 A res. @ 250 VAC K2 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC	Software class and structure:		Α.	
PTC probes: Type of sensor: KTY 81-121 (990 Ω @ 25 °C, 77 °F) Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: B3435 (10 KΩ @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA Power supply: none Protection: none. Digital outputs: SPST, 16 A res. @ 250 VAC K1 relay: SPST, 5 A res. @ 250 VAC K2 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A re	Analogue inputs:		2 for PTC or NTC probes (cabinet probe and	
Measurement field: from -50 to 150 °C (from -58 to 302 °F) Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: 83435 (10 KΩ @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA Power supply: none Protection: none. Digital outputs: SPST, 16 A res. @ 250 VAC K1 relay: SPST, 5 A res. @ 250 VAC K2 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC			evaporator probe)	
Resolution: 0.1 °C (1 °F). NTC probes: Type of sensor: 63435 (10 KΩ @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA dry: Power supply: none Power supply: none. ompliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC SPDT, 16 A res. @ 250 VAC. K4 relay: SPDT, 16 A res. @ 250 VAC. SPDT, 16 A res. @ 250 VAC. K4 relay: SPDT, 16 A res. @ 250 VAC. SPDT, 16 A res. @ 250 VAC. K4 relay: SPDT, 16 A res. @ 250 VAC. SPDT, 16 A res. @ 250 VAC. K4 relay: SPDT, 16 A res. @ 250 VAC. SPDT, 16 A res. @ 250 VAC. K4 relay: SPDT, 16 A res. @ 250 VAC. SPDT, 16 A res. @ 250 VAC. <tr< td=""><td>PTC probes:</td><td>Type of sensor:</td><td>KTY 81-121 (990 Ω @ 25 °C, 77 °F)</td></tr<>	PTC probes:	Type of sensor:	KTY 81-121 (990 Ω @ 25 °C, 77 °F)	
NTC probes: Type of sensor: B3435 (10 KG @ 25 °C, 77 °F) Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA Power supply: none Protection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC Type 1 or Type 2 actions: type 1. Additional features of Type 1 or Type 2 actions: type 1. Displays: custom display, 3 digit, with function icons. Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY programming key, EVconnect app, EPoCA re-		Measurement field:	from -50 to 150 °C (from -58 to 302 °F)	
Measurement field: from -40 to 105 °C (from -40 to 221 °F) Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA Power supply: none Protection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPDT, 8 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K5 relay: SPDT, 16 A res. @ 250 VAC <tr< td=""><td></td><td>Resolution:</td><td>0.1 °C (1 °F).</td></tr<>		Resolution:	0.1 °C (1 °F).	
Resolution: 0.1 °C (1 °F). Digital inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA dry: Power supply: none Protection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC	NTC probes:	Type of sensor:	ß3435 (10 KΩ @ 25 °C, 77 °F)	
Digital inputs: 1 dry contact (door switch). Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA dry: Power supply: none Protection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC		Measurement field:	from -40 to 105 °C (from -40 to 221 °F)	
Other inputs: 1 input can be configured for analogue input (auxiliary probe) or digital input (multi-purpose, dry contact). Contact Type of contact: 5 VDC, 1.5 mA dry: Power supply: none Protection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC		Resolution:	0.1 °C (1 °F).	
Contact dry: Type of contact: 5 VDC, 1.5 mA Power supply: none Protection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K5 relay: SPDT, 16 A res. @ 250 VAC K5 relay: SPDT, 16 A res. @ 250 VAC K5 relay: SPDT, 16 A res. @ 250 VAC	Digital inputs:		1 dry contact (door switch).	
purpose, dry contact).Contact dry:Type of contact:5 VDC, 1.5 mAPower supply:nonePortection:none.Digital outputs:4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard.K1 relay:SPST, 16 A res. @ 250 VACK2 relay:SPST, 5 A res. @ 250 VACK3 relay:SPDT, 8 A res. @ 250 VACK4 relay:SPDT, 16 A res. @ 250 VACK5 relay:SPDT, 16 A res. @ 250 VACK5 relay:SPDT, 16 A res. @ 250 VACK5 relay:SPDT, 16 A res. @ 250 VACK6 relay:SPDT, 16 A res. @ 250 VACK6 relay:SPDT, 16 A res. @ 250 VACK6 relay:SPDT, 16 A res.	Other inputs:		1 input can be configured for analogue input	
Contact dry: Type of contact: 5 VDC, 1.5 mA Power supply: none Protection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 10 T Type 2 actions: Usinglay: custom display, 3 digit, with function icons. Additional features of Type 1 or Type 2 actions: built-in. Communications ports: 1			(auxiliary probe) or digital input (multi-	
dry: Dower supply: Protection: none Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC Stational features of Type 1 or Type 2 actions: type 1. Additional features of Type 1 or Type 2 actions: C. Displays: custom display, 3 digit, with function icons. Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY pro- gramming key, EVconnect app, EPoCA re-				
Protection: none. Digital outputs: 4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard. K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC Chional features of Type 1 or Type 2 actions: type 1. Additional features of Type 1 or Type 2 actions: C. Displays: custom display, 3 digit, with function icons. Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY programming key, EVconnect app, EPoCA re-	Contact	Type of contact:	5 VDC, 1.5 mA	
Digital outputs:4 with sealed electro-mechanical relay in compliance with the EN 60079-15 standard.K1 relay:SPST, 16 A res. @ 250 VACK2 relay:SPST, 5 A res. @ 250 VACK3 relay:SPDT, 8 A res. @ 250 VACK4 relay:SPDT, 16 A res. @ 250 VACK4 relay:SPDT, 16 A res. @ 250 VACCC.bisplays:custom display, 3 digit, with function icons.Alarm buzzer:built-in.Communications ports:1 TTL MODBUS slave port for EVJKEY pro- gramming key, EVconnect app, EPoCA re-	dry:	Power supply:	none	
compliance with the EN 60079-15 standard.K1 relay:SPST, 16 A res. @ 250 VACK2 relay:SPST, 5 A res. @ 250 VACK3 relay:SPDT, 8 A res. @ 250 VACK4 relay:SPDT, 16 A res. @ 250 VACType 1 or Type 2 actions:type 1.Additional features of Type 1 or Type 2 actC.tions:Displays:Lisplays:custom display, 3 digit, with function icons.Alarm buzzer:built-in.Communications ports:1 TTL MODBUS slave port for EVJKEY programming key, EVconnect app, EPoCA re-		Protection:	none.	
K1 relay: SPST, 16 A res. @ 250 VAC K2 relay: SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC C C. bisplays: custom display, 3 digit, with function icons. Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY pro- gramming key, EVconnect app, EPoCA re-	Digital outputs:		· · · ·	
K2 relay: SPST, 5 A res. @ 250 VAC K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC Type 1 or Type 2 actions: type 1. Additional features of Type 1 or Type 2 acc- tions: C. Displays: custom display, 3 digit, with function icons. Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY pro- gramming key, EVconnect app, EPoCA re-			compliance with the EN 60079-15 standard.	
K3 relay: SPDT, 8 A res. @ 250 VAC K4 relay: SPDT, 16 A res. @ 250 VAC. Type 1 or Type 2 actions: type 1. Additional features of Type 1 or Type 2 ac- tions: C. Displays: custom display, 3 digit, with function icons. Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY pro- gramming key, EVconnect app, EPoCA re-	K1 relay:		SPST, 16 A res. @ 250 VAC	
K4 relay: SPDT, 16 A res. @ 250 VAC. Type 1 or Type 2 actions: type 1. Additional features of Type 1 or Type 2 actions: C. Displays: custom display, 3 digit, with function icons. Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY programming key, EVconnect app, EPoCA re-	K2 relay:		SPST, 5 A res. @ 250 VAC	
Type 1 or Type 2 actions: type 1. Additional features of Type 1 or Type 2 actions: C. Displays: custom display, 3 digit, with function icons. Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY programming key, EVconnect app, EPoCA re-	K3 relay:		SPDT, 8 A res. @ 250 VAC	
Additional features of Type 1 or Type 2 ac- tions: Displays: Alarm buzzer: Communications ports: Communications ports: Displays: Communications ports: Communications ports: Com	K4 relay:		SPDT, 16 A res. @ 250 VAC.	
tions:	Type 1 or Type 2 actions:		type 1.	
Displays: custom display, 3 digit, with function icons. Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY programming key, EVconnect app, EPoCA re-	Additional features of Type 1 or Type 2 ac-		С.	
Alarm buzzer: built-in. Communications ports: 1 TTL MODBUS slave port for EVJKEY programming key, EVconnect app, EPoCA re-	tions:			
Communications ports: 1 TTL MODBUS slave port for EVJKEY pro- gramming key, EVconnect app, EPoCA re-	Displays:		custom display, 3 digit, with function icons.	
gramming key, EVconnect app, EPoCA re-	Alarm buzzer:		built-in.	
	Communications ports:		1 TTL MODBUS slave port for EVJKEY pro-	
mote monitoring system or for one.				
			mote monitoring system of for BMS.	

9 TECHNICAL SPECIFICATIONS

defrost timeout alarm

Pr3 auxiliary probe alarm

clock alarm

alarm

user interface-control mod-

ule electrical connection

low temperature alarm

high temperature alarm

high condensation alarm

high pressure alarm

low pressure alarm

alarm

switch alarm

multi-purpose input alarm

compressor thermal switch automatic

compressor 2 thermal automatic

door open alarm

COH high condensation signal

power failure alarm

rtc

ErL

AL

AH

id

PF

CSd

iA

iSd

LP

C1t

C2t

dFd

Purpose of the control device:		function controller.				
Construction of the control devi	ce:	built-in electronic device.				
Housing:						
user interface: black, self-exting	guishing	control module: open frame board.				
Category of heat and fire resista	ance:	D.				
Measurements:						
user interface: 111.4 x 76.4	x 25.0 mm	control module: 66.5 x 107.5 x 31.0 mm (2				
(4 3/8 x 3 x 1 in)		5/8 x 4 1/4 x 1 1/4 in).				
Mounting methods for the control device:						
user interface: to be fitted to	o a plastic or	control module: to be installed on an electri-				
metal panel (with elastic holding	g flaps)	cal panel, on plastic spacers (not provided).				
Degree of protection provided by the casing:						
user interface: IP65 (front)		control module: IP00.				
Connection method:						
user interface: plug-in screw te	erminal blocks	control module:				
for wires up to 2.5 mm ²		- fixed screw terminal blocks for wires up to				
		2.5 mm ²				
		- Pico-Blade connector.				
Maximum permitted length for connection cables:						
user-interface-control module: 10 m (32.8 ft)						
power supply: 10 m (32.8 ft)		analogue inputs: 10 m (32.8 ft)				
digital inputs: 10 m (32.8 ft)		digital outputs: 10 m (32.8 ft).				
Operating temperature:		from 0 to 60 °C (from 32 to 140 °F)				
Storage temperature:		from -25 to 70 °C (from -13 to 158 °F).				
Operating humidity:		relative humidity without condensate from				
		10 to 90%.				
Pollution status of the control de	evice:	2.				
Compliance:						
RoHS 2011/65/EC WEEE 2012		9/EU	REACH (EC) Regulation no.			
			1907/2006			

N.B.

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

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