

PRECAUTIONS FOR ELECTRICAL CONNECTION

- If using an electrical or pneumatic screwdriver, adjust the tightening torque If the device has been moved from a cold to a warm place, the humidity may have caused condensation to form inside. Wait about an hour before switching on the pow-
- Make sure that the supply voltage, electrical frequency and power are within the set limits. See the section TECHNICAL SPECIFICATIONS.
- Disconnect the power supply before doing any type of maintenance.
- Do not use the device as safety device.
- For repairs and for further information, contact the EVCO sales network

FIRST-TIME

- Install following the instructions given in the section MEASUREMENTS AND INSTALLA TION.
- 2. Power up the device as shown in the section ELECTRICAL CONNECTION and an interna test will be run.

The test normally takes a few seconds, when it is finished the display will switch off.

3. Configure the device as shown in the section Setting configuration parameters. Recommended configuration parameters for first-time use

PAR. DEF. PARAMETER MIN... MAX SP 0.0 setpoint r1... r2 PO 2 probe type 1 = NTC2 = Pt 1000 P2 temperature unit of measurement $0 = ^{\circ}C$ 1 = °F 0 d1 0 defrost type

 $0 = \text{electric} \quad 1 = \text{hot gas}$ 2 = compressor stopped

energy saving

that the keypad is not locked.

FNC 🗸

5.2

1.

4

5

6

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Ch

2

3

4

Check

Then check that the remaining settings are appropriate; see the section CONFIGURA-TION PARAMETERS

4. Disconnect the device from the mains

- Make the electrical connection as shown in the section ELECTRICAL CONNECTION with-5. out powering up the device.
- For the connection in an RS-485 network connect the interface EVIF22TSX or 6. EVIF23TSX, to activate real time functions connect the module EVIF23TSX, to use the device with the APP EV connect connect the interface EVIF25TBX. To use the device with the EPoCA remote monitoring system, connect the EVIF25TWX module; see the relevant instruction sheets. If EVIF22TSX or EVIF23TSX is used, set parameter bLE to 0.

Power up the device.

2.	∳ EN	<u>∧</u> ∰ ∳	Touch the UP or DOWN key within 15 s to select a label.								
	LAB.	DESCRIPTION									
	сн	view compr	essor functioning hours (hundreds)								
	rCH	delete comp	pressor functioning hours								
	nS1	compressor	start-up number (thousands)								
8.	a e	JET	Touch the SET key.								
1.	∳ EN	_\₩ ↓	Touch the UP or DOWN key to set "149" (when label "rCH" is selected).								
5.		SET	Touch the SET key.								
5.		\bigcirc	Touch the ON/STAND-BY key (or do not operate for 60 s) to exit the procedure.								
	View the minimum and the maximum temperature recorded in the last 72 hours (look at rEt for selection) ck that the keypad is not locked.										
I.			Touch the DOWN key for 4 s.								
2.	∳ FN		Touch the UP or DOWN key within 15 s to select a label.								
	LAB.	DESCRIPTIO	N								
	Ht	maximum t	emperature recorded in the last 72 h								
	Lt	minimum te	emperature recorded in the last 72 h								
3.	 = =	5ET	Touch the SET key.								
1.	 ₽		Touch the ON/STAND-BY key (or do not operate for 60 s) to exit the procedure.								

View/delete compressor functioning hours and view comp. start-up number

r5 = 0 and r8 = 2

Touch the DOWN key for 4 s.

r6", for the r7 duration

the setpoint becomes "setpoint +

r4", at maximum for HE2 duration

					2 = fan				
_	9	P4	0	configurable input function	0 = digital input				
О.					1 = condenser probe				
-					2 = critical temperature probe				
					3 = air out probe				
					if P4 = 3, regulation temperature				
					= product temperature (CPT)				
	10 P5 O			value displayed	0 = regulation temperature				
					1 = setpoint				
					2 = evaporator temperature				
					3 = auxiliary temperature				
					4 = air in temperature				
	11	P7	5	air in weight for calculated prod-	0 10 % x 10				
				uct temperature (CPT)	CPT = {[(P7 x (air in)] +				
					[(100 - P7) x (air out)] :				
					100}				
	12	P8	5	display refresh time	0 250 s : 10				
	Ν.	PAR.	DEF.	REGULATION	MIN MAX.				
	13	r0	2.0	setpoint differential	1 15 °C/°F				
	14	r1	-50	minimum setpoint	-99 °C/°F r2				
	15	r2	50.0	maximum setpoint	r1 199 °C/°F				
	16	r4	0.0	setpoint offset in energy saving	0 99 °C/°F				
	17	r5	0	cooling or heating operation	0 = cooling				
-					1 = heating				
	18	r6	0.0	setpoint offset in overcool-	0 99 °C/°F				
				ing/overheating					
	19	r7	30	overcooling/overheating duration	0 240 min				
	20	r8	0	DOWN key additional function	0 = disabled				
					1 = overcooling/overheating				
					2 = energy saving				
	21	r12	0	position of the r0 differential	0 = asymmetric				
					1 = symmetric				

-25... 25 °C/°F

2 = Pt 1000

1 = yes

1 = °F

1 = NTC

0 = no

 $0 = ^{\circ}C$

0 = disabled

1 = defrost + fan

4 CA3 0.0 auxiliary probe offset

probe type

ment

enable °C decimal point

evaporator probe function

temperature unit of measure

2

1

0

1

5 PO

6 P1

7 P2

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EVCO S.	p.A.			ction sheet ver. 1.1 Code 1043294ZE				
	N.	PAR.	DEF.	COMPRESSOR	MIN MAX.			
	22	CO	0	compressor on delay after pow- er-on	0 240 min			
	23	C2	3	compressor off minimum time	0 240 min			
	24	C3	0	compressor on minimum time	0 240 s			
	25	C4	10	compressor off time during cabi-	0 240 min			
(a	26	C5	10	net probe alarm compressor on time during cabi-	0 240 min			
Ū	20	0.5		net probe alarm	0 240 min			
	27	C6	80.0	threshold for high condensation	0 199 °C/°F			
				warning	differential = 2 °C/4 °F			
	28	C7	90.0	threshold for high condensation	0 199 °C/°F			
	29	C8	1	alarm high condensation alarm delay	0 15 min			
	30	C10	0	compressor hours for service	0 999 h x 100			
					0 = disabled			
	N.	PAR.	DEF.	DEFROST (if $r5 = 0$)	MIN MAX.			
	31	d0	8	automatic defrost interval	0 99 h 0 = only manual			
					if d8 = 3, maximum interval			
	32	d1	0	defrost type	0 = electric			
					1 = hot gas			
		-10			2 = compressor stopped			
	33 34	d2 d3	8.0 30	threshold for defrost end defrost duration	-99 99 °C/°F 0 99 min			
	54	45	30		se P3 = 1, maximum duration			
	35	d4	0	enable defrost at power-on	0 = no $1 = yes$			
	36	d5	0	defrost dealy after power-on	0 99 min			
	37	7 d6 2		value displayed during defrost	0 = regulation temperature			
					1 = display locked 2 = dEF label			
	38	d7	2	dripping time	0 15 min			
	39	d8	0	defrost interval counting mode	0 = device on hours			
					1 = compressor on hours			
					2 = hours evaporator tem- perature < d9			
					3 = adaptive			
					4 = real time			
۰.	40	d9	0.0	evaporation threshold for auto-	-99 99 °C/°F			
•	41	d11	0	matic defrost interval counting enable defrost timeout alarm	0 = no 1 = yes			
	41	d15	0	compressor on consecutive time	0 - 10 1 - yes			
				for hot gas defrost				
	43	d16	0	pre-dripping time for hot gas de-	0 99 min			
	44	d18	40	frost adaptive defrost interval	0 999 min			
	44	uio	40	adaptive denost interval	if compressor on + evapora-			
					tor temperature < d22			
					0 = only manual			
	45	d19	3.0	threshold for adaptive defrost	0 40 °C/°F			
				(relative to optimal evaporation temperature)	optimal evaporation tempera- ture - d19			
	46	d20	180	compressor on consecutive time	0 999 min			
				for defrost	0 = disabled			
	47	d21	200	compressor on consecutive time	0 500 min			
				for defrost after power-on and overcooling	if (regulation temperature - setpoint) > 10°C/20 °F			
				· · · · · · · · · · · · · · · · · · ·	0 = disabled			
	48	d22	-2.0	evaporation threshold for adap-	-10 10 °C/°F			
				tive defrost interval counting (relative to optimal evaporation	optimal evaporation tempera- ture + d22			
				temperature)				
	N.	PAR.	DEF.	ALARMS	MIN MAX.			
	49	AA	0	select value for high/low temper-	0 = regulation temperature			
				ature alarms	 1 = evaporator temperature 2 = auxiliary temperature 			
	50	A1	-10.0	threshold for low temperature	-99 99 °C/°F			
				alarm				
	51	A2	2	low temperature alarm type	0 = disabled			
					1 = relative to setpoint 2 = absolute			
	52	A4	10.0	threshold for high temperature	-99 99 °C/°F			
				alarm				
	53	A5	2	high temperature alarm type	0 = disabled			
					1 = relative to setpoint 2 = absolute			
~	54	A6	12	high temperature alarm delay af-	0 99 min x 10			
				ter power-on				
	55	A7	15	high/low temperature alarms de-	0 240 min			
	56	A8	15	lay high temperature alarm delay af-	0 240 min			
	50	Ao	15	ter defrost	0 240 min			
	57	A9	15	high temperature alarm delay af-	0 240 min			
				ter door closing				
	58	A10	10	power failure duration for alarm recording	0 240 min			
	59	A11	2.0	high/low temperature alarms re-	1 15 °C/°F			
				set differential				
_	Ν.	PAR.	DEF.	FANS	MIN MAX.			
	60	FO	1	evaporator fan mode during normal operation	0 = off $1 = on2 = according$ to F15 and			
					F16 if compressor off, on			
					if compressor on			
					3 = thermoregulated (with			
					F1) 4 = thermoregulated (with			
					F1) if compressor on			
	61	F1	-4.0	threshold for evaporator fan op-	-99 99 °C/°F			
	62	F2	0	eration evaporator fan mode during de-	differential = $1 \degree C/2 \degree F$ 0 = off 1 = on			
	. ~~	~						

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	73	i1	0		ch input activation	ו	0 = with contact closed 1 = with contact open		
	74	i2	30	open doo	r alarm delay		-1 120 min -1 = disabled		
	75	i3	15		n inhibition ma: i door open	ximum	-1 120 min -1 = until the closing		
	76	i5	2		itch/multi-purpose	input	0 = disabled		
				Tunction			1 = energy saving 2 = iA alarm		
							3 = button-operated load on4 = device on/off		
							5 = Cth alarm 6 = th alarm		
							7 = compressor + evapora-		
							tor fan off, cabinet light on		
							8 = evaporator fan off + cabinet light on		
	77	i6	0	door swi activatior	itch/multi-purpose מ	input	0 = with contact closed 1 = with contact open		
	78	i7	0		pose input alarm	delay	-1 120 min		
							-1 = disabled if i5 = 5 or 6, compressor on		
	79	i10	0	door clos	ed consecutive ti	me for	delay after alarm reset 0 999 min		
				energy sa	aving		after regulation temperature < SP		
							0 = disabled		
	80	i13	180	frost	of door openings t	for de-	0 240 0 = disabled		
	81	i14	32	door ope defrost	en consecutive tir	me for	0 240 min 0 = disabled		
	N.	PAR.	DEF.	DIGITAL	OUTPUTS		MIN MAX.		
	82	u1	0	auxiliary	output configurati	on	0 = cabinet light 1 = demisting		
							2 = button-operated load 3 = alarm		
							4 = door heaters 5 = heater for neutral zone		
							6 = condenser fan		
<	83	u2	0	enable ca	abinet light and b	outton-	7 = on/stand-by $0 = no \qquad 1 = yes$		
v	84	u4	0	1	load in stand-by larm output off sil	lencina	manual 0 = no 1 = yes		
				the buzze	er				
	85	u5	-1.0		I for door heaters	UI	-99 99 °C/°F differential = 2 °C/4 °F		
	86 87	u6 u7	5 -5.0		g on duration cone threshold for	heat-	1 120 min -99 99 °C/°F		
					relative to setpoint)		differential = 2 °C/4 °F setpoint + u7		
ø.,	N. PAR. DEF.			1	SAVING (if r5 = 0)		MIN MAX.		
)	88	HE2	0	energy sa	aving maximum du	uration	0 999 min -1 = until the door opening		
	N.	PAR.	DEF.	REAL TIN r5 = 0)	ME ENERGY SAVI	NG (if	MIN MAX.		
	89	H01	0	1	energy saving time	9	0 23 h		
	90	H02	0	Monday e duration	energy saving ma	0 24 h			
	91 92	H03 H04	0	· · · ·	energy saving tim energy saving ma	0 23 h 0 24 h			
				duration					
	93 94	H05 H06	0	1	ay energy saving ay energy saving	0 23 h 0 24 h			
G	95	H07	0	mum dur Thursday			0 23 h		
r	96 H08 0 Thur			Thursday	energy saving	0 24 h			
					y energy saving time		0 23 h		
	98	H10	0	Friday er duration	nergy saving ma	0 24 h			
	99	H11 H12	0		energy saving tim		0 23 h 0 24 h		
	100			mum dur	energy saving ation	maxi-	0 24 11		
	101 102	H13 H14	0	1	energy saving time energy saving ma		0 23 h 0 24 h		
	N.	PAR.	DEF.	duration	1E DEFROST (if d8	= 4)	MIN MAX.		
	103	Hd1	h-	1st daily	defrost time	•,	h- = disabled		
O	104 105	Hd2 Hd3	h- h-	, in the second se	defrost time defrost time		h- = disabled h- = disabled		
	106	Hd4	h-		defrost time defrost time	4th daily defrost time			
		Hd5	h-	Jun duny			h- = disabled		
	107 108	Hd5 Hd6	h- h-		defrost time		h- = disabled h- = disabled		
	-			SAFETIES	defrost time		h- = disabled		
7	108 N. 109 110	Hd6 PAR. POF PAS	h- DEF. 0 -19	SAFETIES enable O password	defrost time S N/STAND-BY key		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999		
7	108 N. 109	Hd6 PAR. POF	h- DEF. O	SAFETIES enable O	defrost time S N/STAND-BY key I assword		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes		
5	108 N. 109 110 111 112 N.	Hd6 PAR. POF PAS PA1 PA2 PAR.	h- DEF. 0 -19 426 824 DEF.	SAFETIES enable O password level 1 pa level 2 pa REAL TIM	defrost time S N/STAND-BY key assword assword ME CLOCK		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX.		
D D	108 N. 109 110 111 112 N. 113 N.	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR.	h- DEF. 0 -19 426 824 DEF. 0 DEF.	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable cli DATA-LO	defrost time S N/STAND-BY key i assword assword te CLOCK ock GGING EVLINK		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes		
Ð	108 N. 109 110 111 112 N. 113	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0	h- DEF. 0 -19 426 824 DEF. 0	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable cli DATA-LO	defrost time S N/STAND-BY key d assword assword ME CLOCK ock	pr con-	h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes		
Ð	108 N. 109 110 111 112 N. 113 N.	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR.	h- DEF. 0 -19 426 824 DEF. 0 DEF.	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable cli DATA-LO serial po	defrost time S N/STAND-BY key i assword assword te CLOCK ock GGING EVLINK	pr con-	h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA		
D D	108 N. 109 110 111 112 N. 113 N.	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR.	h- DEF. 0 -19 426 824 DEF. 0 DEF.	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable cli DATA-LO serial po	defrost time S N/STAND-BY key i assword assword te CLOCK ock GGING EVLINK	Dr con-	h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or		
9	108 N. 109 110 111 112 N. 113 N.	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR.	h- DEF. 0 -19 426 824 DEF. 0 DEF.	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable cl DATA-LO serial por nectivity	defrost time S N/STAND-BY key i assword assword te CLOCK ock GGING EVLINK		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network		
0	108 N. 109 110 111 112 N. 1113 N. 114	Hd6 PAR. POF PAS PA1 PA2 PAR. HrO PAR. bLE	h- DEF. -19 426 824 DEF. 0 DEF. 1	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable cL DATA-LO serial pon nectivity data-logg	defrost time S N/STAND-BY key i assword assword E CLOCK ock GGING EVLINK rt configuration fc		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address		
	108 N. 109 110 111 112 N. 113 N. 114	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR. bLE	h- DEF. 0 -19 426 824 DEF. 0 DEF. 1	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable cL DATA-LO serial pon nectivity data-logg	defrost time S N/STAND-BY key i assword assword ff CLOCK ock GGING EVLINK rt configuration fo		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary		
	108 N. 109 110 111 112 N. 113 N. 114 115 116	Hd6 PAR. POF PAS PA1 PA2. Hr0 PAR. bLE rE0 rE0	h- DEF. 0 -19 426 824 DEF. 0 DEF. 1 15 1	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable cL DATA-LO serial pon nectivity data-logg recorded	defrost time S N/STAND-BY key I assword assword E CLOCK ock GGING EVLINK rt configuration for ger sampling interv temperature		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all		
	108 N. 109 110 111 112 N. 113 N. 114	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR. bLE	h- DEF. 0 -19 426 824 DEF. 0 DEF. 1	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable cL DATA-LO serial pon nectivity data-logg recorded	defrost time S N/STAND-BY key i assword assword ff CLOCK ock GGING EVLINK rt configuration fo		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator		
	108 N. 109 110 111 112 N. 113 114 115 115 116 N. 117 N. 1177	Hd6 PAR POF PAS PA1 PA2 PAR HrO PAR rE0 rE1 PAR rE1 PAR.	h- DEF. 0 -19 426 824 DEF. 1 15 1 DEF. 0 DEF. 1	SAFETIES enable O password level 1 p level 2 p REAL TIM enable Cl DATA-LO serial poi nectivity data-logg recorded LOCAL D/ recorded MODBUS	defrost time S N/STAND-BY key i assword assword AE CLOCK oock GGING EVLINK rt configuration for ger sampling interv temperature ATA-LOGGING temperature		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = aul MIN MAX. 0 = none 5 = auxiliary MIN MAX.		
	108 N. 109 110 111 112 N. 113 N. 114 115 116 N. 117	Hd6 PAR POF PAS PA1 PA2 PAR HF0 PAR. rE0 rE1	h- DEF. 0 -19 426 824 DEF. 0 DEF. 1 15 1 DEF. 0	SAFETIES enable O password level 1 pz level 2 pz REAL TIM enable Ch DATA-LO serial poi nectivity data-logg recorded LOCAL D recorded MODBUS	defrost time S N/STAND-BY key i assword assword AE CLOCK oock GGING EVLINK rt configuration for ger sampling interv temperature ATA-LOGGING temperature		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud		
	108 N. 109 110 111 112 N. 113 113 N. 114 115 116 N. 117 N. 118 118	Hd6 PAR POF PAS PA1 PA2 PAR bLE rE0 rE1 PAR. rE1 PAR. rE1 PAR.	h- DEF. 0 -19 426 824 DEF. 1 15 1 DEF. 0 DEF. 1 DEF. 247	SAFETIES enable O password level 1 pz level 2 pz REAL TIM enable Ch DATA-LO serial poi nectivity data-logg recorded LOCAL D recorded MODBUS	defrost time S N/STAND-BY key i assword assword ATA-LOCK oock GGING EVLINK rt configuration for ger sampling interv temperature ATA-LOGGING temperature address		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 0 = none 5 = auxiliary		
	108 N. 109 110 111 112 N. 113 113 N. 114 115 116 N. 117 N. 118 118	Hd6 PAR POF PAS PA1 PA2 PAR bLE rE0 rE1 PAR. rE1 PAR. rE1 PAR.	h- DEF. 0 -19 426 824 DEF. 1 15 1 DEF. 0 DEF. 1 DEF. 247	SAFETIES enable O password level 1 pz level 2 pz REAL TIM enable Ch DATA-LO serial poi nectivity data-logg recorded LOCAL D recorded MODBUS	defrost time S N/STAND-BY key i assword assword ATA-LOCK oock GGING EVLINK rt configuration for ger sampling interv temperature ATA-LOGGING temperature address		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud 2 = 9,600 baud 3 = 19,200 baud		
d	IO8 N. 109 110 111 112 N. 113 1115 116 N. 1117 N. 1117 1117 N. 1118 1119	Hd6 PAR POF PAS PA1 PA2 PAR HrO PAR rE1 PAR rE1 PAR LD	h- DEF. 0 -19 426 824 DEF. 1 15 1 DEF. 0 DEF. 1 DEF. 247	SAFETIES enable O password level 1 pz level 2 pz REAL TIM enable Ch DATA-LO serial poi nectivity data-logg recorded LOCAL D recorded MODBUS	defrost time S N/STAND-BY key i assword assword ATA-LOCK oock GGING EVLINK rt configuration for ger sampling interv temperature ATA-LOGGING temperature address		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud 2 = 9,600 baud		
	108 N. 109 110 111 112 N. 113 113 N. 114 115 116 N. 117 N. 118 118	Hd6 PAR POF PAS PA1 PA2 PAR HrO PAR rE1 PAR rE1 PAR LD	h- DEF. 0 -19 426 824 DEF. 1 15 1 DEF. 0 DEF. 1 DEF. 247	SAFETIES enable O password level 1 pz level 2 pz REAL TIM enable Ch DATA-LO serial poi nectivity data-logg recorded LOCAL D recorded MODBUS	defrost time S N/STAND-BY key i assword assword ATA-LOCK oock GGING EVLINK rt configuration for ger sampling interv temperature ATA-LOGGING temperature address		h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud 2 = 9,600 baud 3 = 19,200 baud		
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d DD.	108 N. 109 110 111 112 N. 113 N. 113 N. 114 115 116 N. 117 N. 118 119 119 119 119 119	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR. bLE rE0 rE1 PAR. rE1 PAR. Lb CRIPTIC	h- DEF. 0 -19 426 824 DEF. 1 15 1 DEF. 0 DEF. 2	SAFETIES enable O password level 1 p level 2 pa REAL TIM enable CL DATA-LO serial pou nectivity data-logg recorded MODBUS MODBUS	defrost time S N/STAND-BY key I assword assword E CLOCK ook GGING EVLINK rt configuration for ger sampling interv temperature ATA-LOGGING temperature address baud rate	/al REMEDI - checl	h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud parity even ES		
d DD. 1 2 3	108 N. 109 110 111 112 N. 113 N. 114 115 116 N. 117 N. 118 119 119 0ES cabi evap auxi	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR. bLE rE0 rE1 PAR. rE1 PAR. LA Lb CRIPTIC	h- DEF. 0 -19 426 824 DEF. 0 DEF. 1 15 1 DEF. 247 2 DN De alarn probe alar Dobe alar	SAFETIES enable O password level 1 p level 2 pa REAL TIM enable Ch DATA-LO Serial pol nectivity data-logg recorded MODBUS MODBUS MODBUS	defrost time S N/STAND-BY key i assword assword dE CLOCK oock GGING EVLINK rt configuration fo ger sampling interv temperature address baud rate RESET automatic automatic automatic	REMEDI - checl - checl	h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud 2 = 9,600 baud 3 = 19,200 baud 3 = 19,200 baud 3 = 19,200 baud 3 = 19,200 baud 5 = connection		
d D. 1 2 3	108 N. 109 110 111 112 N. 113 N. 113 N. 114 115 116 N. 117 N. 118 119 119 0ES cabi cloc	Hd6 PAR POF PAS PA1 PA2 PAR Hr0 PAR bLE rE0 rE1 PAR rE1 PAR tLb CRIPTIC RMS	h- DEF. 0 -19 426 824 DEF. 0 DEF. 1 15 1 DEF. 247 2 DN De alarn probe alar Dobe alar	SAFETIES enable O password level 1 pr level 2 pr REAL TIM enable Ch DATA-LO serial pon nectivity data-logg recorded MODBUS MODBUS MODBUS	defrost time S N/STAND-BY key I assword assword E CLOCK ock GGING EVLINK rt configuration for ger sampling interv temperature address baud rate automatic automatic automatic automatic manual	REMEDI - checl - checl - checl set date	h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 3 = 19,200 baud parity even ES		
D. 1	108 N. 109 110 111 112 N. 113 N. 114 115 116 N. 117 N. 118 119 DES cabi cabi cabi cabi low high	Hd6 PAR. POF PAS PA1 PA2 PA2 PAR. HO PAR. DLE PAR. rE1 PAR. rE1 PAR. LD LD LD CRIPTIC RAR. LD LD LD CRIPTIC RAR. LA LD	h- DEF. 0 426 824 DEF. 0 DEF. 1 1 15 1 DEF. 2 47 2 2 0 DEF. 247 2	SAFETIES enable O password level 1 pr level 2 pr REAL TIM enable Ch DATA-LO serial pou nectivity data-logg recorded MODBUS MODBUS MODBUS	defrost time S N/STAND-BY key I assword assword E CLOCK ock GGING EVLINK rt configuration for err sampling interv temperature ATA-LOGGING temperature address baud rate RESET automatic automatic automatic automatic automatic	REMEDI - checl - checl - checl set date check A	h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 4 = celectrical connection 2, time and day of the week A, A1 and A2 A, A4 and A5		
d	108 N. 109 110 111 112 N. 113 N. 114 115 116 N. 117 N. 118 119 DES cabib cabib cabib cabib cope	Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR. bLE FE0 FE1 PAR. trE1 PAR. Lb CRIPTIC North CRIPTIC Inter prof Dorrator Iliary prof correspondent to the second correspondent to th	h- DEF. 0 426 824 DEF. 0 DEF. 1 1 15 1 DEF. 2 47 2 2 0 DEF. 247 2	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable CL DATA-LO serial poor nectivity data-logg recorded MODBUS MODBUS MODBUS	defrost time S N/STAND-BY key assword Assword E CLOCK ook GGING EVLINK rt configuration for defrom a state address baud rate ATA-LOGGING temperature address baud rate RESET automatic automatic automatic automatic automatic automatic automatic automatic automatic automatic automatic automatic	REMEDI - check - check - check - check A check A check K	h- = disabled h- = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 3 = 19,200 baud 3 = 19,200 baud parity even ES < PO < probe integrity < electrical connection e, time and day of the week A, A1 and A2 0 = i1 n a key		
d DD. 1 2 3 3	108 N. 109 110 111 111 112 N. 113 N. 114 115 116 N. 117 N. 118 119 119 0ES cabi evag auxi cloccl low high pow pow	Hd6 PAR. POF PAS PA1 PA2 PA2 PAR. Hr0 PAR. bLE rE0 rE1 PAR. trE1 PAR. Lb CRIPTIC met proto porator liary proto calarm tempera c doar a er failur	h- DEF. 0 -19 426 824 DEF. 0 DEF. 1 1 1 5 1 0 DEF. 247 2 2 0 N DEF. 247 2	SAFETIES enable O password level 1 pa level 2 pa REAL TIM enable CL DATA-LO serial poor nectivity data-logg recorded MODBUS MODBUS MODBUS	defrost time S N/STAND-BY key assword ASSWORD E CLOCK Ook GGING EVLINK rt configuration for defrom a state ATA-LOGGING temperature ATA-LOGGING temperature address baud rate ATA-LOGGING temperature ATA-LOGGING temperature address baud rate ATA-LOGGING temperature address baud rate ATA-LOGGING temperature address baud rate	REMEDI - check - check - check - check A check A check K	h - = disabled h - = disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = free 1 = forced for EVconnect or EPoCA 2-99 = EPoCA local network address 0 240 min 0 = none 1 = cabinet 2 = evaporator 3 = auxiliary 4 = cabinet and evaporator 5 = all MIN MAX. 0 = none 5 = auxiliary MIN MAX. 1 247 0 = 2,400 baud 2 = 9,600 baud 3 = 19,200 baud 3 = 19,200 baud parity even MIN ES < PO < probe integrity < electrical connection 0 = int a key < electrical connection		

	compre alarm	essor thermal s	switch	automat	tic check i5 and i6			
th	global t	thermal switch a	ılarm	manual	 switch the device off and on check i5 and i6 			
dFd	defrost	timeout alarm		manual		- touch - check	n a key k d2, d3 and d11	
9	TECHNI	CAL SPECIFIC	ΑΤΙΟΝ	IS				
		control device				on contro		
		f the control dev	vice		1		nic device	
Conta		at and fire resis	tanco		D	seir-exti	nguishing	
	rements		lance					
		73.0 mm (2 15	/16 x	1 5/16 x	75.0 x	33.0 x 8	33.0 mm (2 15/16 x 1 5/16 x	
		fixed screw term					movable screw terminal block	
Mount	ting meth	ods for the cont	rol dev	/ice	To be to vided	fitted to	a panel, snap-in brackets pro	
Degre	e of pro	tection provided	by th	e cover-	IP65 (f	ront)		
ing								
	ection me							
		erminal blocks 2,5 mm ²		s for		erminal up to	Micro-MaTch connector	
IOI WII	i ca up i0	2,3 1111-		nm²; by re		αμ ιυ		
Maxim	num pern	nitted length for						
Power	supply:	10 m (32.8 ft)			Analog	ue input	s: 10 m (32.8 ft)	
		10 m (32.8 ft)					10 m (32.8 ft)	
	ting tem						C (from 32 a 122 °F)	
	ge tempe iting hum				From -25 to 70 °C (from -13 to 158 °F) Relative humidity without condensate fron			
	5				10 to 9		,	
Polluti	ion status	s of the control o	device		2			
Confo								
ROHS	2011/65	/CE	WEEE	2012/19	VEU		REACH (EC) Regulation 1907/2006	
EMC 2	2014/30/	UE			LVD 2014/35/UE			
	supply	-			12-24 VAC/DC (+10% -15%), 50/60 Hz (±			
					Hz), max. 4 VA/3 W, provided by a SEL class 2 source			
Forthi	na moth	ada far tha aantr	ol dovi	100	1	source		
Earth		ods for the contr		Le	None 4 KV.			
Rated impulse-withstand voltage					111.			
	voltage c							
Over-	voltage c are class				A			
Over- Softwa		ategory and structure			А	NTC or F	Pt 1000 probes (cabinet prob	
Over- Softwa Analog	are class gue input	ategory and structure is			A 2 for 1 and ev	aporator	probe)	
Over-v Softwa	are class gue input	ategory and structure is Sensor type	field		A 2 for M and ev B3435	aporator (10 KΩ	e probe) @ 25 °C, 77 °F)	
Over- Softwa Analog	are class gue input	ategory and structure is Sensor type Measurement t	field		A 2 for M and ev B3435 From -	aporator (10 KΩ 40 to 10	probe)	
Over- Softwa Analog	are class gue input robes	ategory and structure is Sensor type			A 2 for 1 and ev 63435 From - 0.1 °C	aporator (10 KΩ 40 to 10 (1 °F)	e probe) @ 25 °C, 77 °F)	
Over- Softwa Analog NTC p	are class gue input robes	ategory and structure is Sensor type Measurement t Resolution			A 2 for 1 and ev 63435 From - 0.1 °C	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F)	
Over- Softwa Analog NTC p Pt 100 probes	are class gue input robes	ategory and structure ts Sensor type Measurement t Resolution Measurement t	field		A 2 for N and ev B3435 From - 0.1 °C From - 0.1 °C	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F)	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose)	
Over- Softwa Analog NTC p Pt 100 probes	are class gue input robes 00 s l inputs	ategory and structure ts Sensor type Measurement t Resolution Measurement t	field Conta	act type	A 2 for N and ev B3435 From - 0.1 °C From - 0.1 °C	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F)	e probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA	
Over- Softwa Analog NTC p Pt 100 probes Digital	are class gue input robes 00 s l inputs	ategory and structure ts Sensor type Measurement t Resolution Measurement t	field Conta Powe	r supply	A 2 for N and ev B3435 From - 0.1 °C From - 0.1 °C	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F)	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None	
Over- Softwa Analog NTC p Pt 100 probes Digital Dry co	are class gue input robes 00 s l inputs ontact	ategory and structure ts Sensor type Measurement t Resolution Measurement t	field Conta Powe Prote	r supply ction	A 2 for N and ev B3435 From - 0.1 °C Trom - 0.1 °C 1 dry c	aporator (10 KΩ / 40 to 10 (1 °F) 99 to 19 (1 °F) contact (probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None None	
Over- Softwa Analog NTC p Pt 100 probes Digital Dry co	are class gue input robes 00 s l inputs	ategory and structure ts Sensor type Measurement t Resolution Measurement t	Field Conta Powe Prote Input	r supply ction configura	A 2 for 1 and ev ß3435 From - 0.1 °C From - 0.1 °C 1 dry c	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F) contact (e analogue	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None None a input (auxiliary probe) or dig	
Over Softwa Analog NTC p Pt 100 probes Digital Dry cc Other	are class gue input robes 00 s l inputs ontact	ategory and structure s Sensor type Measurement f Resolution Measurement f Resolution	Conta Powe Prote Input ital in 4 ele	r supply ction configura put (door	A 2 for 1 and ev B3435 From - 0.1 °C From - 0.1 °C 1 dry c able for switch/ manical r	aporator (10 KΩ - 40 to 10 (1 °F) 99 to 19 (1 °F) contact (r analogue multi-pu elays (co	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None None e input (auxiliary probe) or digrose input)	
Over Softwa NTC p Pt 100 Pr 100 Digital Dry cc Other Digital	are class gue input robes 00 s l inputs inputs l outputs ressor re	ategory and structure is Sensor type Measurement I Resolution Resolution	Conta Powe Prote Input ital in 4 ele	r supply ction configura put (door ctro-mech	A 2 for 1 and ev B3435 From - 0.1 °C From - 0.1 °C 1 dry c able for - switch/ nanical r ry relay SPST,	aporator (10 KΩ ⁽ 40 to 10 (1 °F) 99 to 19 (1 °F) contact (r analogue 'multi-pu elays (cr) 16 A res	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None None input (auxiliary probe) or dig rpose input) pompressor, defrost, evaporate . @ 250 VAC	
Over Softwa Analog NTC p Pt 100 probe: Digital Dry cc Other Digital Compi Defros	are class gue input robes 00 s l inputs inputs l outputs ressor re st relay (ategory and structure is Sensor type Measurement 1 Resolution Measurement 1 Resolution	Conta Powe Prote Input ital in 4 ele	r supply ction configura put (door ctro-mech	A 2 for 1 and ev B3435 From - 0.1 °C From - 0.1 °C 1 dry c able for - switch/ anical r ry relay SPST, SPDT,	aporator (10 KΩ ⁽ 40 to 10 (1 °F) 99 to 19 (1 °F) contact (r analogue 'multi-pu elays (cr) 16 A res 8 A res.	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None b input (auxiliary probe) or dig rpose input) pompressor, defrost, evaporate . @ 250 VAC @ 250 VAC	
Over Software Analog NTC p Pt 100 probe: Digital Dry cc Other Digital Compi Defros Evapo	are class gue input robes 00 s i inputs inputs I outputs ressor re st relay (orator fan	ategory and structure is Sensor type Measurement f Resolution Measurement f Resolution	Conta Powe Prote Input ital in 4 ele	r supply ction configura put (door ctro-mech	A 2 for 1 and ev B3435 From - 0.1 °C From - 0.1 °C 1 dry c able for switch/ banical r ry relay; SPDT, SPDT, SPST,	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F) contact (c multi-pu elays (cc) 16 A res. 8 A res. 2 A res.	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None None input (auxiliary probe) or dig rpose input) ompressor, defrost, evaporate @ 250 VAC @ 250 VAC @ 250 VAC @ 250 VAC (30,000 cycles)	
OverSoftwa Analog NTC p Pt 10C probes Digital Dry cc Other Digital Compr Defros Evapo Auxilia	are class gue input robes 00 s i inputs notact inputs I outputs ressor re st relay (orator fan ary relay	ategory and structure (s Sensor type Measurement f Resolution Measurement f Resolution Iay (K1) K2) relay (K3) (K4)	Conta Powe Prote Input ital in 4 ele	r supply ction configura put (door ctro-mech	A 2 for 1 and ev B3435 From - 0.1 °C From - 0.1 °C 1 dry c able for switch/ banical r ry relay, SPDT, SPDT, SPDT,	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F) contact (c multi-pu elays (cc) 16 A res. 2 A res. 16 A res.	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None b input (auxiliary probe) or dig rpose input) pompressor, defrost, evaporate . @ 250 VAC @ 250 VAC	
OverSoftwa Analog NTC p Pt 10C probe- Digital Dry cc Other Digital Comping Defros Evapo Auxilia	are class gue input robes 00 s l inputs notact inputs l outputs ressor re st relay (grator fan ary relay 1 or Type	ategory and structure is Sensor type Measurement 1 Resolution Measurement 1 Resolution	Conta Powe Prote Input ital in 4 ele fan a	r supply ction configura put (door ctro-mech nd auxilia	A 2 for 1 and ev B3435 From - 0.1 °C Trom - 0.1 °C 1 dry c able for switch/ anical r ry relay SPST, SPDT, Type 1	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F) contact (c multi-pu elays (cc) 16 A res. 2 A res. 16 A res.	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None a input (auxiliary probe) or dig rpose input) ompressor, defrost, evaporat . @ 250 VAC @ 250 VAC @ 250 VAC (30,000 cycles)	
OverSoftwa Analog NTC p Pt 10C probe- Digital Dry cc Other Digital Comping Defros Evapo Auxilia	are class gue input robes 00 s l inputs notact inputs l outputs ressor re st relay (grator fan ary relay 1 or Type	ategory and structure (s Sensor type Measurement f Resolution Measurement f Resolution Iay (K1) K2) relay (K3) (K4)	Conta Powe Prote Input ital in 4 ele fan a	r supply ction configura put (door ctro-mech nd auxilia	A 2 for 1 and ev B3435 From - 0.1 °C From - 0.1 °C 1 dry c able for switch/ banical r ry relay, SPDT, SPDT, SPDT,	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F) contact (c multi-pu elays (cc) 16 A res. 2 A res. 16 A res.	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None a input (auxiliary probe) or dig rpose input) ompressor, defrost, evaporat . @ 250 VAC @ 250 VAC @ 250 VAC (30,000 cycles)	
OverSoftwa Analog NTC p Pt 10C probe: Digital Dry cc Other Digital Compi Defros Evapo Auxilia Type 1	are class gue input robes 200 s l inputs ontact inputs l outputs ressor re st relay (orator fan ary relay 1 or Type onal feat	ategory and structure is Sensor type Measurement 1 Resolution Measurement 1 Resolution	Conta Powe Prote Input ital in 4 ele fan a	r supply ction configura put (door ctro-mech nd auxilia	A 2 for N and ev B3435 From - 0.1 °C From - 0.1 °C 1 dry c 1 dry c able for switch/ annical r ry relay SPST, SPDT, SPDT, Type 1 C	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F) contact (r analogue 'multi-pu elays (co) 16 A res 8 A res. 16 A res	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None a input (auxiliary probe) or dig rpose input) ompressor, defrost, evaporat . @ 250 VAC @ 250 VAC @ 250 VAC (30,000 cycles)	
OverSoftwa Analog NTC p Pt 10C probe: Digital Dry cc Other Digital Compi Defros Evapo Auxilia Additi tions Displa	are class gue input robes 200 s l inputs ontact inputs l outputs ressor re st relay (orator fan ary relay 1 or Type onal feat	ategory and structure is Sensor type Measurement 1 Resolution Measurement 1 Resolution	Conta Powe Prote Input ital in 4 ele fan a	r supply ction configura put (door ctro-mech nd auxilia	A 2 for N and ev B3435 From - 0.1 °C From - 0.1 °C 1 dry c 1 dry c able for switch/ annical r ry relay SPST, SPDT, SPDT, Type 1 C	aporator (10 KΩ 40 to 10 (1 °F) 99 to 19 (1 °F) contact (c multi-pu elays (cc) 16 A res. 2 A res. 16 A res. 3 A res.	probe) @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None None e input (auxiliary probe) or dig rpose input) pompressor, defrost, evaporato . @ 250 VAC @ 250 VAC @ 250 VAC @ 250 VAC	
OverSoftwa Analog NTC p Pt 100 probe: Digital Dry cc Other Digital Compi Defros Evapoo Auxilia Additid tions Displa	are class gue input robes 00 s l inputs nontact inputs l outputs ressor re st relay (prator fan ary relay 1 or Type onal feat	ategory and structure is Sensor type Measurement I Resolution Measurement I Resolution I au (K1) K2) relay (K3) (K4) 2 2 Actions ures of Type 1	Conta Powe Prote Input ital in 4 ele fan a	r supply ction configura put (door ctro-mech nd auxilia	A 2 for N and ev B3435 From - 0.1 °C 1 dry c 1 dry c able for switch/ anical r sry relay; SPST, SPDT, SPDT, Type 1 C 3 digits Incorpe 1 TTL I	aporator (10 KΩ 40 to 10 (1°F) 99 to 19 (1°F) contact (c multi-pu elays (cc) 16 A res. 2 A res. 16 A res. 2 A res. 16 A res s custom orated MODBUS	 @ 25 °C, 77 °F) 5 °C (from -40 to 221 °F) 9 °C (from -146 to 390 °F) door switch/multi-purpose) 5 VDC, 1.5 mA None None e input (auxiliary probe) or dig rpose input) pompressor, defrost, evaporato . @ 250 VAC @ 250 VAC @ 250 VAC (30,000 cycles) . @ 250 VAC 	

				frost and dripping	2 = according to F0			1
	63	F3	2	evaporator fan off maximum time	0 15 min			
Ş	64	F4	0	evaporator fan off time during energy saving	0 240 s x 10		Ν.	PAR.
	65	F5	10	evaporator fan on time during energy saving	0 240 s x 10		117 N.	rEt PAR.
	66	F7	5.0	threshold for evaporator fan on after dripping (relative to set- point)	-99 99 °C/°F setpoint + F7	Id	118 119	LA Lb
	67	F9	0	evaporator fan off delay after compressor off	0 240 s if F0 = 2			
	68	F11	15.0	threshold for condenser fan on	for condenser fan on 0 99 °C/°F differential = 2 °C/4 °F			
	69	F12	30	condenser fan off delay after compressor off	0 240 s if P4 ≠ 1	8	ALARMS	
	70	F15	0	evaporator fan off time with compressor off	0 240 s if F0 = 2	COD.	-	CRIPTI net pro
	71	F16	1	evaporator fan on time with compressor off	0 240 s if F0 = 2	Pr2 Pr3	evap	porator
	N.	PAR.	DEF.	DIGITAL INPUTS	MIN MAX.	rtc		k alarm
	72	iO	5	door switch input function	0 = disabled	AL		temper
					1 = compressor + evapora- tor fan off	AH		tempe
V					2 = evaporator fan off 3 = cabinet light on	id PF	<u> </u>	n door : er failu
					4 = compressor + evapora-	сон	high	conde
					tor fan off, cabinet light on	CSd	high	ı conde
					5 = evaporator fan off + cabinet light on	iA	mult	ti-purpo

N.B.

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

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