

To activate real-time functions, connect the EVlinking RS-485 EVIF23TSX converter. To control the device using the EVconnect app, connect the EVlinking BLE EVIF25TBX module then synchronise it with the app. To control the device using the EPoCA monitoring system or a third-party MODBUS TCP

EVCO S.p.A. | EVY Cold MEDIUM | Instruction sheet ver. 1.0 | Code 104YCM08E103 | Page1 of 6 | PT 15/25

 system:
 connect the EVlinking Wi-Fi EVIF25TWX module to the device and then to a local Wi-Fi network

7 Activating/deactivating manual defrost (if r5 = 0, default)

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

Touch the DEFROST key for 2 s

If P3 = 1 (default), defrost is activated provided that the evaporator temperature is lower than the d2 or d2b threshold.

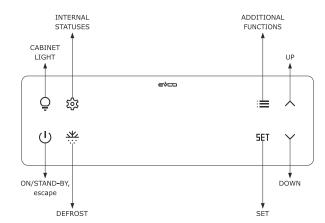
temperati	ure"); if the LED alarm is	on, see the section ALAF	RMS.	4	I SE
LED	ON	OFF	FLASHING	4.	ם ב
*	compressor on	compressor off	compressor protection active	4.7	Activat
-WV	heating active	heating not active	demisting on or door heaters on	Check t	hat the l
Ş	evaporator fans on	evaporator fans off	evaporator fans off active	1.	¥
***	defrost or pre-drip ac- tive	defrost or pre-drip not active	 defrost delay active dripping active 		1 (defau or d2b th
Ō	clock active	clock not active	-	4.8	Activat
%	active humidity level displayed	-	-		hat the l
°C	temperature displayed in Celsius	-	-	1. 	
°F	temperature displayed in Fahrenheit	-	-	3.	5
S	energy saving active	energy saving not ac- tive	-		OPTION
%∼	overcooling or over- heating active	overcooling or over- heating not active	-		Overco
Ŵ	alarm active	alarm not active	compressor maintenance request		Overh
НАССР	saved HACCP alarm not displayed	no HACCP alarm saved or no saved HACCP alarm not displayed	new HACCP alarm saved		Energy
Ģ	cabinet light on	cabinet light off	cabinet light on from digital input	4.	56
	connection with EVconnect app or EPoCA remote moni- toring system	no connection	-	FUNCT	
ŝ	-	thawing not active	thawing active	overhe	ating
AUX1	auxiliary load 1 on	auxiliary load 1 off	-		
AUX2	auxiliary load 2 on	auxiliary load 2 off	-	energy	saving
	(default) and 30 s have K" label and the keypad v		being pressed, the display will show	tion.	. u6c = 1
	nlocking the keypad ey for 1 s: the display wi	ll show the label "UNLO	СК″.	If u1c tion.	. u6c = :

- connect the EVlinking RS-485 EVIF24TSX converter to the device then to an IoT EV3 Web gateway or EVD Web. Next connect this to a free Ethernet port of a router or an Ethernet hub connected to a local network.
- Power up the device again.

USER INTERFACE AND MAIN FUNCTIONS

4.1 Keypad

4



1.	:=	Touch the ADDITIONAL FUNC	TIONS key	
2.		Touch the UP or DOWN key w	ithin 15 s to select an option	
3.	SET	Touch the SET key: the display will show a message		
	OPTION	DESCRIPTION	MESSAGE	
	Overcooling	Overcooling	Overcooling/Stop Overcooling SET To Confirm	
	Overheating	Overheating	Overheating/Stop Overheating SET To Confirm	
	Energy Saving	Energy Saving	Energy Saving/Stop Energy Saving	
			SET To Confirm	
4.	SET	Touch the SET key: the devic	e will exit the procedure	
FUNC	TION	CONDITION	CONSEQUENCE	
overco	ooling	r5 = 0, r8 = 1 e sbrinamento non attivo	the setpoint becomes "setpoint - r6", for the r7 time	
overheating		r5 e r8 = 1	the setpoint becomes "setpoint + r6", for the r7 time	
energy saving		r5 = 0 e r8 = 2 (default)	the setpoint becomes "setpoint + r4", for the HE2 time at the most	
fu1c.	u6c = 16, the evap	orator fans will operate at this	speed during the energy-saving func	

		/I⊢I)II			
4.9			g the cabinet light on/off (if	ode 104YCM08E103 Page2 of 6 PT 15/2 • u1c u6c = 5)	
1.	Ģ		Touch the CABINET LIGHT ke	4	
4.10	Silencing the l	11770	er (if u9 = 1, default)		
Touch	a key.				
If u1c.	u6c = 11 and	u4 =	1, the alarm output is deactive	ited.	
5 5.1	ADDITIONAL Setting the da			EVlinking RS-485 EVIF23TSX con-	
5.1	verter, the EV	linki	ng BLE EVIF25TBX module o	or the EVlinking Wi-Fi EVIF25TWX	
	module is con	nect	ed)		
	CAUTION				
Ö.			ay of the week	n the two minutes after setting the	
0				app or the EPoCA remote monitoring le synchronization with those of the	
			let or Personal Computer from		
Check	that the keypad	is no	t locked.		
1.	:=		Touch the ADDITIONAL FUNC	TIONS key	
2.		٨		ithin 15 s to select the option "Ser-	
3.	SET		vice"		
3.			Touch the SET key		
4.		•	Touch the UP or DOWN key wi	thin 15 s to select the option "Clock"	
5.	SET	_	Touch the SET key		
6.	SET		Touch the SET key again		
7.		٠	Touch the UP or DOWN key w	ithin 15 s to set the year	
		-	· ·		
8.	<u>SET</u>		Touch the SET key		
9.		٠	Touch the UP or DOWN key wi	thin 15 s to set the month (01 12)	
10.	SET		Touch the SET key		
11.		٠	Touch the UP or DOWN key within 15 s to set the day (01 31)		
12.	SET		Touch the SET key		
			louch the SET key		
13.		٠	Touch the UP or DOWN key w	ithin 15 s to set the time (00 23)	
14.	SET		Touch the SET key		
15.		٠	Touch the UP or DOWN key 59)	within 15 s to set the minute (00	
16.	(1)			a few times to exit the procedure	
			I		
5.2		off (the demisting function (if u	1c u6c = 8), auxiliary load 1 (if	
Check	u1c u6c = 1	0) a	nd auxiliary load 2 (if u1c		
	u1c u6c = 1 that the keypad	-	nd auxiliary load 2 (if u1c t locked. l		
1.		-		u6c = 11)	
		-	t locked.	u6c = 11) TIONS key	
1.	that the keypad	is no	t locked. Touch the ADDITIONAL FUNC	u6c = 11) TIONS key ithin 15 s to select an option	
1. 2		is no	t locked. Touch the ADDITIONAL FUNC Touch the UP or DOWN key w	u6c = 11) TIONS key ithin 15 s to select an option	
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	٠	Touch the UP or DOWN key to set "149"
SET		Touch the SET key: the display will show the message "DONE".
ل ا		Touch the ON/STAND-BY key a few times to exit the procedure
Deleting comp nat the keypad		or operation days t locked.
:=		Touch the ADDITIONAL FUNCTIONS key
	٠	Touch the UP or DOWN key within 15 s to select the option $``Service''$
SET		Touch the SET key
	٠	Touch the UP or DOWN key within 15 s to select the option "Reset Compressor Working Hours"
SET		Touch the SET key
SET		Touch the SET key again
	٠	Touch the UP or DOWN key to set " 149 "
SET		Touch the SET key: the display will show the message "DONE"
 ()		Touch the ON/STAND-BY key a few times to exit the procedure
Ū.		
Setting the lai nat the keypad		
:=		Touch the ADDITIONAL FUNCTIONS key
	٠	Touch the UP or DOWN key within 15 s to select the option "Ser- vice"
SET	-	Touch the SET key
	٠	Touch the UP or DOWN key within 15 s to select the option "Lan-
SET		guage" Touch the SET key
	٠	Touch the UP or DOWN key within 15 s to set the language
5ET	-	Touch the SET key
Û		Touch the ON/STAND-BY key a few times to exit the procedure
Rebooting the nat the keypad		nking Wi-Fi module t locked.
:		Touch the ADDITIONAL FUNCTIONS key
	٠	Touch the UP or DOWN key within 15 s to select the option "Service"
SET		vice" Touch the SET key
	•	Touch the UP or DOWN key within 15 s to select the option "Re-
	`	boot EVlinking"
561		Touch the SET key for 2 s: the device will exit the procedure
NTERNAL STA		arm information
nat the keypad		t locked.
ين م		Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option
	٠	NACCP"
SET		Touch the SET key
	٠	Touch the UP or DOWN key to select an option
OPTION	era-	DESCRIPTION low temperature alarm
Low Tempe		high temperature alarm
Low Tempe ture High Tempe	era-	
ture	era-	door open alarm (if i4 = 1)
ture High Tempe ture		power failure alarm (available when the EVlinking RS-485
ture High Tempe ture Door Open		power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected)
ture High Tempe ture Door Open Power Failure		power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking
ture High Tempe ture Door Open		power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected
ture High Tempe ture Door Open Power Failure		power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX
ture High Tempe ture Door Open Power Failure		power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected - the duration of the alarm
ture High Tempe ture Door Open Power Failure	e	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure
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ture High Tempe ture Door Open Power Failure SET	e nal s	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key
ture High Tempe ture Door Open Power Failure SET	e nal s	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key
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ture High Tempe ture Door Open Power Failure SET	e nal s	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIIRing Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the UP or DOWN key to select an option
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ture High Tempe ture Door Open Power Failure SET	e nal s is no	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the UP or DOWN key to select an option DESCRIPTION cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 ≠ 5) evaporator temperature (visible if PP1 PP4 = 3) critical temperature (visible if PP1 PP4 = 4)
ture High Tempe ture Door Open Power Failure SET	e nal s is no	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the UP or DOWN key to select an option DESCRIPTION cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 ≠ 5) evaporator temperature (visible if PP1 PP4 = 3)
ture High Tempe ture Door Open Power Failure SET () Viewing interr at the keypad SET SET SET OPTION Cabinet T Evaporator T Condenser T Critical Temp Outgoing Air	e nal s is no	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected; - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the UP or DOWN key to select an option DESCRIPTION Cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 ≠ 5) evaporator temperature (visible if PP1 PP4 = 3) critical temperature (visible if PP1 PP4 = 4) outgoing air temperature (visible if PP1 PP4 = 6)
ture High Tempe ture Door Open Power Failure SET	e nal s is no	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIIRing Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the UP or DOWN key to select an option DESCRIPTION cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 = 5) evaporator temperature (visible if PP1 PP4 = 0) critical temperature (visible if PP1 PP4 = 6) evaporator 2 temperature (visible if PP1 PP4 = 5)
ture High Tempe ture Door Open Power Failure SET	e nal s is no	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIIRing Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBY module or the EVlinking Wi-Fi EVIF25TWX module is connected) - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the UP or DOWN key to select an option DESCRIPTION cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 ≠ 5) evaporator temperature (visible if PP1 PP4 = 4) outgoing air temperature (visible if PP1 PP4 = 6) evaporator 2 temperature (visible if PP1 PP4 = 5) percentage of power supplied by the analogue output to the com- pressor (visible if Ao1 Ao3 = 1) percentage of power supplied by the analogue output to the com-
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ture High Tempe ture Door Open Power Failure SET () Viewing intern hat the keypad $\xi_{0}^{(1)}$ Viewing intern hat the keypad $\xi_{0}^{(2)}$ Viewing intern Condenser T Condenser T Compressor Speed Evaporator Speed Minimum T	e nal s is no)))	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIIRing WI-FI EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking WI-FI EVIF25TWX module is connected) - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the SET key Cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 \neq 5) evaporator temperature (visible if PP1 PP4 = 3) critical temperature (visible if PP1 PP4 = 4) outgoing air temperature (visible if PP1 PP4 = 5) percentage of power supplied by the analogue output to the com- pressor (visible if Ao1 Ao3 = 1) percentage of power supplied by the analogue output to the con- denser fan (visible if Ao1 Ao3 = 2)
ture High Tempe ture Door Open Power Failure Fower Failure Content Cabinet T Condenser T Condenser T Condenser T Condenser T Condenser Speed Compressor Speed Condenser Speed Condenser Speed Condenser Speed Condenser Speed Condenser Speed Condenser Speed Minimum Te perature Maximum Te	e nal s is no)) T. Z Fan Fan em-	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected); - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the UP or DOWN key to select an option DESCRIPTION cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 ≠ 5) evaporator temperature (visible if PP1 PP4 = 4) outgoing air temperature (visible if PP1 PP4 = 4) outgoing air temperature (visible if PP1 PP4 = 5) percentage of power supplied by the analogue output to the con- pressor (visible if Ao1 Ao3 = 2) percentage of power supplied by the analogue output to the evap- orator fan (visible if Ao1 Ao3 = 3)
ture High Tempe ture Door Open Power Failure SET () Viewing interr hat the keypad \$ \$ SET Viewing interr hat the keypad \$ SET Viewing interr hat the keypad SET Viewing interr hat the keypad SET Condenser T Condenser T Condenser T Condenser Speed Condenser Speed Evaporator Speed Kaporator Speed Condenser Speed Kaporator Speed Kaporator Speed	e nal s is no)) T. Z Fan Fan em-	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIInking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIInking Wi-Fi EVIF25TWX module is connected) - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the SET key Touch the UP or DOWN key to select an option DESCRIPTION cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 ≠ 5) evaporator temperature (visible if PP1 PP4 = 3) critical temperature (visible if PP1 PP4 = 4) outgoing air temperature (visible if PP1 PP4 = 5) percentage of power supplied by the analogue output to the com- pressor (visible if Ao1 Ao3 = 1) percentage of power supplied by the analogue output to the com- pressor (visible if Ao1 Ao3 = 2) percentage of power supplied by the analogue output to the evap- orator fan (visible if Ao1 Ao3 = 3) minimum temperature saved in the last 72 hours
ture High Tempe ture Door Open Power Failure Fower Failure Content Content Evaporator T Condenser T Condenser T Condenser T Condenser T Condenser Speed Compressor Speed Condenser Speed Evaporator Speed Condenser Speed Condenser Speed Condenser Speed Minimum To perature Maximum To perature	e nal s is no f f f f Fan Fan em- em-	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIIRing Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBY module or the EVlinking Wi-Fi EVIF25TWX module is connected - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the INTERNAL STATUS key Touch the UP or DOWN key within 15 s to select the option "In- ternal Values" Touch the SET key Touch the UP or DOWN key to select an option DESCRIPTION cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 \neq 5) evaporator temperature (visible if PP1 PP4 = 3) critical temperature (visible if PP1 PP4 = 4) outgoing air temperature (visible if PP1 PP4 = 5) percentage of power supplied by the analogue output to the com- pressor (visible if Ao1 Ao3 = 1) percentage of power supplied by the analogue output to the com- denser fan (visible if Ao1 Ao3 = 2) percentage of power supplied by the analogue output to the evap- orator fan (visible if Ao1 Ao3 = 3) minimum temperature saved in the last 72 hours
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ture High Temper ture Door Open Power Failure Fower Failure SEET () Viewing intern hat the keypad SO SET SET SET SET SET Condenser T Critical Temp Outgoing Air Evaporator T Critical Temp Outgoing Air Evaporator T Critical Temp Outgoing Air Evaporator T Compressor Speed Condenser Speed Evaporator T Speed Evaporator Speed Compressor Speed Minimum Te perature Comp. Days No. Comp. A vations No. Door Op ings	e nal s is no f	power failure alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIInking Wi-Fi EVIF25TWX module is connected) Touch the SET key: the display will show: - the date and time of the alarm (available when the EVlinking RS-485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVIInking Wi-Fi EVIF25TWX module is connected) - the duration of the alarm - the critical value Touch the ON/STAND-BY key a few times to exit the procedure tatus t locked. Touch the UP or DOWN key a few times to exit the procedure tatus t lock the UP or DOWN key within 15 s to select the option "In- ternal Values " Touch the SET key Touch the UP or DOWN key to select an option DESCRIPTION cabinet temperature (visible if PP1 PP4 = 0 and PP1 PP4 \pm 5) evaporator temperature (visible if PP1 PP4 = 3) critical temperature (visible if PP1 PP4 = 4) outgoing air temperature (visible if PP1 PP4 = 4) outgoing air temperature (visible if PP1 PP4 = 5) percentage of power supplied by the analogue output to the com- pressor (visible if A01 A03 = 1) percentage of power supplied by the analogue output to the com- pressor fan (visible if A01 A03 = 2) percentage of power supplied by the analogue output to the com- pressor fan (visible if A01 A03 = 3) minimum temperature saved in the last 72 hours compressor operation days number of compressor switch-ons number of door openings

		<u>INGS</u> g config	guratio	n parameters			
Check t	that t	he keyp	ad is no	t locked.			
1.				Touch the ADDITIONAL FUNCTIONS key			
2.	f		•	Touch the UP or DOWN key within vice"	15 s to select the option "Ser-		
		SET	-	Touch the SET key			
3.				Touch the UP or DOWN key within	15 s to soloct the option "Po-		
4.	Ý	\checkmark		rameters"			
5.		SET		Touch the SET key			
6.		SET		Touch the SET key again			
	·			Touch the UP or DOWN key within	15 s to set the PAS value (de-		
7.	Ý	\checkmark		fault " -19 ")			
8.		SET		Touch the SET key			
9.	ŕ	\checkmark)	Touch the UP or DOWN key to select a parameter			
10.	!	SET		Touch the SET key			
11.	ŕ	\checkmark	۰ (Touch the UP or DOWN key within	15 s to set the value		
12.		SET	-	Touch the SET key (or take no act	ion for 15 s)		
13.	·	(I)		Touch the ON/STAND-BY key a fev	v times to exit the procedure		
	I	\cup					
7.2	Rest	oring f	actory	settings			
Ö ₀			the fact	ory settings are appropriate; see th	e section CONFIGURATION PA-		
Check t	that t	he kevn	ad is no	t locked.			
1.				Touch the ADDITIONAL FUNCTION	S key		
2.	· د		× •	Touch the UP or DOWN key within	· · · · · · · · · · · · · · · · · · ·		
3.		SET		vice"			
			× *	Touch the UP or DOWN key within	15 s to select the option " Reset		
4.	*		Ì,	Parameters"			
5.		SET		Touch the SET key			
6.		<u>SET</u>		Touch the SET key again			
7.	۲	\checkmark		Touch the UP or DOWN key to set "149"			
8.		SET		Touch the SET key: the display will show the message "DONE".			
9.		ப		Touch the ON/STAND-BY key a fev	v times to exit the procedure		
10.	Disc	connect	the dev	ice from the power supply			
8	CO	NFIGUR	ATION	PARAMETERS			
Ω ≡	NO.	PAR.	DEF.	SETPOINT	MIN MAX.		
₽		SP	0.0	setpoint	r1 r2		
	NO. 2	PAR. CA1	DEF. 0.0	ANALOGUE INPUTS probe 1 offset	MIN MAX. -25 25 °C/°F		
	3	CA2	0.0	probe 2 offset	-25 25 °C/°F		
	4	CA3	0.0	probe 3 offset	-25 25 °C/°F		
	5	CA4	0.0	probe 4 offset	-25 25 °C/°F		
	6	PO	1	type of probe	0 = PTC 1 = NTC 2 = Pt 1000		
	7	P1	1	enable decimal point °C	0 = no 1 = yes		
	8	P2 P3	0	temperature measurement unit evaporator probe function	$0 = ^{\circ}C \qquad 1 = ^{\circ}F$ 0 = disabled		
			-		1 = defrost + fans		
	10	P5	0	value displayed	2 = fans 0 = if PP1 PP4 = 5, product		
					temperature (CPT), oth-		
					erwise cabinet tempera- ture		
					1 = setpoint		
					2 = evaporator temperature 3 = condenser temperature		
					4 = critical temperature		
					5 = incoming air tempera- ture		
					6 = outgoing air temperature 7 = evaporator 2 tempera-		
	1.	DF.		value chevre en anne de d'art	ture		
O,	11	P5r	0	value shown on remote display (when managed)	like P5		
•	12	P7	50	incoming air effect to calculate product temperature (CPT)	0 100% CPT = {[(P7 x (incoming air)]		
					+ [(100 - P7) x		
	13	P8	5	display refresh time	(outgoing air)] : 100} 0 250 s: 10		
	14	PP1	1	probe 1 function	0 = disabled		
	1				1 = if PP1 PP4 = 5, incom-		
					ing air temperature probe, otherwise cabinet		
					temperature probe		
	1				2 = evaporator temperature		
					probe 3 = condenser temperature		

	FULL LOAD	full load
5.	SET	Touch the SET key: the device will exit the procedure
6.	SET	Touch the SET key for 2 s to deactivate thawing

FUNCTION	CONDITION	CONSEQUENCE			
thawing	u1c u6c = 8	 if LIGHT LOAD selected, main function of r19, r22 and r25, de- frost disabled if MEDIUM LOAD selected, main function of r20, r23 and r26, defrost disabled if HIGH LOAD selected, main function of r21, r24 and r27, de- 			
		frost disabled			
When thawing is complete, a	When thawing is complete, a buzzer will sound for the duration of u10 and the device will go into				
	inction of r28). The evaporator	,			

If the door is opened during thawing, the function is deactivated.

5.5 Deleting HACCP alarm information Check that the keypad is not locked.

1.		Touch the ADDITIONAL FUNCTIONS key
2.	1	Touch the UP or DOWN key within 15 s to select the option "Service"
3.	SET	Touch the SET key
4.	f 🔨 🦻	Touch the UP or DOWN key within 15 s to select the option "Reset HACCP Alarms"
5.	SET	Touch the SET key

					probe 4 = critical temperature probe 5 = outgoing air temperature probe 6 = evaporator 2 tempera- ture probe
	15	PP2	2	probe 2 function	like PP1
	16	PP3	3	probe 3 function	like PP1
	17	PP4	0	probe 4 function	0 = disabled (multi-purpose input enabled) like PP1 for the remaining val- ues
	NO.	PAR.	DEF.	MAIN REGULATOR	MIN MAX.
	18	r0	2.0	setpoint differential	1 15 °C/°F if Ao1 Ao3 = 0, compressor band off (relative to setpoint, i.e. setpoint - r0)
	19	r1	-40	minimum setpoint	-99 °C/°F r2
	20	r2	50.0	maximum setpoint	r1 199 °C/°F
	21	r3	0	enable setpoint lock	0 = no 1 = yes
	22	r4	0.0	setpoint offset in energy saving	0 99 °C/°F
Ţ	23	r5	0	hot or cold mode regulation	0 = cold mode 1 = hot mode
	24	r6	0.0	setpoint offset in overcool- ing/overheating	0 99 °C/°F
	25	r7	0	duration overcooling/overheating	0 240 min
	26	r12	1	differential position r0	0 = asymmetrical 1 = symmetrical
	27	r13	25.0	proportional band with PWM com- pressor (relative to setpoint)	0 99 °C/°F setpoint + r13

VCO S.	p.A. 28	EVY Col r14	10 10	M Instruction sheet ver. 1.0 Code 10 integral action time with PWM compressor	
	29	r15	3	type of PWM compressor	1 = Embraco VEM 2 = Embraco VEG 3 = Embraco VNEK and VNEL 4 = Secop VNL 50 150 Hz (40 Hz when set to off)
					5 = Secop 33 133 Hz 6 = Tecumseh 85 150 Hz 7 = Embraco VES 8 = Embraco FMX
	30	r16	0	percentage 0-10 V output for compressor with minimum capac-	9 = Embraco VESF 0 % r17
	31	r17	100	ity percentage 0-10 V output for compressor with maximum ca- pacity	r16 100%
	32	r18	0	maximum percentage 0-10 V out- put for compressor in energy sav- ing mode	0 100% 0 = disabled
	33	r19	25.0	initial regulation threshold for light load thawing	-50 99 °C/°F for r25 : 5 (phase 1) next threshold = { [(r19 - r22 : 4] x 3}, for r25 : 5 (phase 2 next threshold = { [(r19 - r22 : 4] x 2}, for r25 : 5 (phase 3 next threshold = { [(r19 - r22 : 4] x 1}, for r25 : 5 (phase 4
	34	r20	30.0	initial regulation threshold for me- dium load thawing	-50 99 °C/°F for r26 : 5 (phase 1) next threshold = { [(r20 - r23 : 4] x 3}, for r26 : 5 (phase 2 next threshold = { [(r20 - r23 : 4] x 2}, for r26 : 5 (phase 3 next threshold = { [(r20 - r23 : 4] x 1}, for r26 : 5 (phase 4
	35	r21	35.0	initial regulation threshold for full load thawing	-50 99 °C/°F for r27 : 5 (phase 1) next threshold = { [(r21 - r24 : 4] x 3}, for r27 : 5 (phase 2 next threshold = { [(r21 - r24 : 4] x 2}, for r27 : 5 (phase 3 next threshold = { [(r21 - r24 : 4] x 1}, for r27 : 5 (phase 4
	36	r22	10.0	final regulation threshold for light load thawing	-50 99 °C/°F for r25 : 5 (phase 5)
	37	r23	12.0	final regulation threshold for me- dium load thawing	-50 99 °C/°F for r26 : 5 (phase 5)
	38 39	r24 r25	15.0 240	final regulation threshold for full load thawing	-50 99 °C/°F for r27 : 5 (phase 5) 1 999 min
	39 40	r25 r26	480	light load thawing duration medium load thawing duration	1 999 min
	41	r27	720	full load thawing duration	1 999 min
	42	r28	3.0	regulation threshold during con- servation	-50 99 °C/°F
	43	r29	1.0	neutral zone threshold for thaw- ing and conservation (relative to current threshold)	0 10 °C/°F
	44	r30	2.0	neutral zone threshold differential for thawing and conservation (r29) during heating	1 25 °C/°F
	45	r31	2.0	neutral zone threshold differential for thawing and conservation (r29) during cooling	1 25 °C/°F
	46	r32	45	heating on cycle time during thawing	1 600 s
	47 NO.	r33 PAR.	4 DEF.	heating on time during thawing HUMIDITY	1 600 s MIN MAX.
	48	U01	0	evaporator fans on delay from compressor on for humidity level 0	HIN PIA. -300 300 s if values are negative, com pressor on delay from on re quest and evaporator fans im mediately on
	49	U02	0	evaporator fans off delay from compressor off for humidity level 0	-300 300 s if values are negative, com pressor off delay from off re quest and evaporator fans im mediately off
	50	U03	60	time evaporator fans on for hu- midity level 0	0 60 s
	51 52	U04 U05	1	time evaporator fans off for hu- midity level 0 time evaporator fans on if com-	0 59 min 0 59 s
			Ĺ	pressor is off for humidity level 0	
	53	U11	0	evaporator fans on delay from compressor on for humidity level 1	-300 300 s if values are negative, com pressor on delay from on re quest and evaporator fans im mediately on
	54	U12	0	evaporator fans off delay from compressor off for humidity level 1	-300 300 s if values are negative, com pressor off delay from off re quest and evaporator fans im mediately off
	55 56	U13 U14	60 1	time evaporator fans on for hu- midity level 1 time evaporator fans off for hu-	0 60 s 0 59 min
	50	U14	0	midity level 1 time evaporator fans on if com-	0 59 s
		1121		pressor is off for humidity level 1	200 200 -

68	I.			
00	U41	0	evaporator fans on delay from	-300 300 s
			compressor on for humidity level	if values are negative, com-
			4	pressor on delay from on re-
				quest and evaporator fans im-
				mediately on
69	U42	0	evaporator fans off delay from	-300 300 s
			compressor off for humidity level	if values are negative, com-
			4	pressor off delay from off re-
				quest and evaporator fans im-
				mediately off
70	U43	60	time evaporator fans on for hu-	0 60 s
74			midity level 4	0
71	U44	1	time evaporator fans off for hu-	0 59 min
			midity level 4	0
72	U45	0	time evaporator fans on if com-	0 59 s
			pressor is off for humidity level 4	200 200
73	U51	0	evaporator fans on delay from	-300 300 s
			compressor on for humidity level	if values are negative, com-
			5	pressor on delay from on re-
				quest and evaporator fans im-
74	U52	0	evaporator fans off delay from	mediately on -300 300 s
/4	052		compressor off for humidity level	if values are negative, com-
			5	pressor off delay from off re-
			5	quest and evaporator fans im-
				mediately off
75	U53	60	time evaporator fans on for hu-	0 60 s
1	000		midity level 5	0 00 5
76	U54	1	time evaporator fans off for hu-	0 59 min
1	0.54	-	midity level 5	0 55 mm
77	U55	0	time evaporator fans on if com-	0 59 s
	0.00		pressor is off for humidity level 5	5 55 5
78	U61	0	evaporator fans on delay from	-300 300 s
10	001	[']	compressor on for humidity level	if values are negative, com-
			6	pressor on delay from on re-
			Ĭ	quest and evaporator fans im-
70	1162	•	avaparator fans off datas from	mediately on
79	U62	0	evaporator fans off delay from compressor off for humidity level	-300 300 s if values are negative, com-
			6	
			0	pressor off delay from off re- quest and evaporator fans im-
				mediately off
80	U63	60	time evaporator fans on for hu-	0 60 s
00	003	00		0 60 S
81	U64	1	midity level 6	0 59 min
01	004	- -	time evaporator fans off for hu-	0 59 11111
0.2		-	midity level 6	0 50 5
82	U65	0	time evaporator fans on if com-	0 59 s
			pressor is off for humidity level 6	
83	U71	0	evaporator fans on delay from	-300 300 s
			compressor on for humidity level	if values are negative, com-
			6	pressor on delay from on re-
				quest and evaporator fans im- mediately on
84	U72	0	evaporator fans off delay from	-300 300 s
07	0/2	Ŭ	compressor off for humidity level	if values are negative, com-
			7	pressor off delay from off re-
			,	quest and evaporator fans im-
				mediately off
85	U73	60	time evaporator fans on for hu-	0 60 s
			midity level 7	
86	U74	1	time evaporator fans off for hu-	0 59 min
			midity level 7	
87			time evaporator fans on if com-	0 59 s
0/	U75	0		
87	U75	0	pressor is off for humidity level 7	
		0	pressor is off for humidity level 7 evaporator fans on delay from	-300 300 s
87	U75 U81		pressor is off for humidity level 7 evaporator fans on delay from compressor on for humidity level	-300 300 s if values are negative, com-
			evaporator fans on delay from	
			evaporator fans on delay from compressor on for humidity level	if values are negative, com-
			evaporator fans on delay from compressor on for humidity level	if values are negative, com- pressor on delay from on re-
			evaporator fans on delay from compressor on for humidity level	if values are negative, com- pressor on delay from on re- quest and evaporator fans im-
88	U81	0	evaporator fans on delay from compressor on for humidity level 8	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on
88	U81	0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s
88	U81	0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com-
88	U81	0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re-
88	U81	0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im-
88	U81 U82	0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off
88	U81 U82	0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu-	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off
88 89 90	U81 U82 U83	0 0 60	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s
88 89 90	U81 U82 U83	0 0 60	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans off for hu- midity level 8 time evaporator fans on if com-	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s
88 89 90 91 92	U81 U82 U82 U83 U84 U85	0 0 60 1 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans off for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s
88 89 90 91	U81 U82 U82 U83 U84	0 0 60 1	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans off for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s
88 89 90 91 92	U81 U82 U82 U83 U84 U85	0 0 60 1 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans off for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 8	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com-
88 89 90 91 92	U81 U82 U82 U83 U84 U85	0 0 60 1 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans off for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re-
88 89 90 91 92	U81 U82 U82 U83 U84 U85	0 0 60 1 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans off for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 8	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im-
88 89 90 91 92 93	U81 U82 U83 U83 U84 U85 U91	0 0 60 1 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on
88 89 90 91 92	U81 U82 U82 U83 U84 U85	0 0 60 1 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on ff for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s
88 89 90 91 92 93	U81 U82 U83 U83 U84 U85 U91	0 0 60 1 0 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans off for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 50 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com-
88 89 90 91 92 93	U81 U82 U83 U83 U84 U85 U91	0 0 60 1 0 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on ff for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re-
88 89 90 91 92 93	U81 U82 U83 U83 U84 U85 U91	0 0 60 1 0 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans off for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 50 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im-
88 89 90 91 92 93 94	U81 U82 U82 U83 U84 U85 U91	0 0 60 1 0 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on ff for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off
88 89 90 91 92 93	U81 U82 U83 U83 U84 U85 U91	0 0 60 1 0 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 50 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im-
88 89 90 91 92 93 94 95	U81 U82 U83 U83 U84 U85 U91 U91 U92	0 0 60 1 0 0 0 60	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9 time evaporator fans on for humidity level 9	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s
88 89 90 91 92 93 94	U81 U82 U82 U83 U84 U85 U91	0 0 60 1 0 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on for hu- midity level 9	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off
88 89 90 91 92 93 94 95 96	U81 U82 U82 U83 U84 U85 U91 U91 U92 U92 U93 U94	0 0 60 1 0 0 0 60 1	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans off for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on for hu- midity level 9	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min
88 89 90 91 92 93 94 95	U81 U82 U83 U83 U84 U85 U91 U91 U92	0 0 60 1 0 0 0 60	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans off for hu- midity level 9 time evaporator fans off for hu- midity level 9 time evaporator fans on if com-	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s
88 89 90 91 92 93 94 95 96 97	U81 U82 U82 U83 U84 U85 U91 U91 U92 U92 U93 U94 U95	0 0 60 1 0 0 0 60 1 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on if com- pressor is off for humidity level 9 time evaporator fans on if com- pressor is off for humidity level 9	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 min
88 89 90 91 92 93 94 95 96	U81 U82 U82 U83 U84 U85 U91 U91 U92 U92 U93 U94	0 0 60 1 0 0 0 60 1	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans off for hu- midity level 9 time evaporator fans off for hu- midity level 9 time evaporator fans on if com-	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min
88 89 90 91 92 93 94 95 96 97	U81 U82 U82 U83 U84 U85 U91 U91 U92 U92 U92 U93 U94	0 0 60 1 0 0 0 60 1 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on if com- pressor is off for humidity level 9 compressor fans on if com- pressor is off for humidity level 9 time evaporator fans on if com- pressor is off for humidity level 9 time Evaporator fans on if com- pressor is off for humidity level 9 time Evaporator fans on if com- pressor is off for humidity level 9 compressor time from	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 min
88 89 90 91 92 93 94 95 96 97 NO. 98	U81 U82 U83 U83 U84 U85 U91 U91 U92 U92 U93 U94 U95 PAR. CP0	0 0 60 1 0 0 60 1 0 50 1 0 0 EF. 0	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on if com- pressor is off for humidity level 9 time evaporator fans on if com- pressor is off for humidity level 9 COMPRESSOR	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately on -300 60 s 0 60 s 0 59 min 0 59 s MIN MAX. 0 100 s x 10
88 89 90 91 92 93 94 95 96 97 NO.	U81 U82 U82 U83 U84 U85 U91 U91 U92 U92 U92 U92	0 0 60 1 0 0 0 60 1 0 0 0 EF.	evaporator fans on delay from compressor on for humidity level 8 evaporator fans off delay from compressor off for humidity level 8 time evaporator fans on for hu- midity level 8 time evaporator fans on if com- pressor is off for humidity level 8 evaporator fans on delay from compressor on for humidity level 9 evaporator fans off delay from compressor off for humidity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on for hu- midity level 9 time evaporator fans on if com- pressor is off for humidity level 9 compressor fans on if com- pressor is off for humidity level 9 time evaporator fans on if com- pressor is off for humidity level 9 time Evaporator fans on if com- pressor is off for humidity level 9 time Evaporator fans on if com- pressor is off for humidity level 9 compressor time from	if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 s -300 300 s if values are negative, com- pressor on delay from on re- quest and evaporator fans im- mediately on -300 300 s if values are negative, com- pressor of delay from off re- quest and evaporator fans im- mediately off 0 60 s 0 59 min 0 59 min 0 59 s

	113	C14	1	constraint between compressor	
				and compressor 2	1 = function of r0 2 = function of C12 and C13
	NO.	PAR.	DEF.	DEFROST (if $r5 = 0$)	MIN MAX.
	114	d00	0	enable "b" mode parameters	0 = no 1 = yes
	115	d01	1.0	setpoint threshold to activate "b" mode parameters	r1 r2 activated if setpoint > d01
	116	d0	8	automatic defrost interval	0 99 h
					0 = manual only
	117	d0b	6	automatic defrost interval in "b"	if d8 = 3, maximum interval like d0
	11/	uob	0	mode	like du
	118	d1	0	type of defrost	0 = electric
					1 = hot gas (do not use with
					regulation with 2 com- pressors)
					2 = compressor stopped
	119	d1b	2	type of "b" mode defrost	like d1
	120	d2	2.0	defrost end threshold	-99 99 °C/°F
	121	d2b	4.0	"b" mode defrost end threshold	like d2 0 99 min
	122	d3	30	defrost duration	if P3 = 1, maximum duration
	123	d3b	20	"b" mode defrost duration	like d3
	124	d4	0	enable defrost at power-on	0 = no 1 = yes
	125	d5	0	defrost delay from power-on	0 99 min
	126	d6	1	value displayed when defrosting	0 = cabinet or product tem- perature
					1 = locked display
					2 = label dEF
	127	d7	2	drip duration	0 15 min
	128	d7b	0	"b" mode drip duration	like d7
	129	d8	0	defrost interval count mode	0 = hours device on 1 = hours compressor on
					2 = hours evaporator tem-
					perature < d9
•					3 = adaptive
•	130	d9	0.0	evaporator temperature threshold	4 = in real time -99 99 °C/°F
	150	uJ	0.0	for automatic defrost interval	JJ JJ (/ 1
				count	
	131	d11	0	enable defrost timeout alarm	0 = no 1 = yes
	132	d15	0	compressor-on consecutive time	-20 99 min
				for hot gas defrost	if values are negative, drip- ping heaters on time
	133	d16	0	pre-drip duration for hot gas de-	0 99 min
				frost	
	134	d18	40	adaptive defrost interval	0 999 min if compressor on + evaporator
					temperature < d22
					0 = manual only
	135	d19	3.0	adaptive defrost threshold (rela-	0 40 °C/°F
				tive to optimal evaporator tem- perature)	optimal evaporator tempera- ture - d19
	136	d20	180	compressor-on consecutive time	0 999 min
				for defrost	0 = disabled
	137	d21	200	compressor-on consecutive time	0 999 min
				for defrost from power-on and from overcooling	if (cabinet or product temper- ature - setpoint) > 10°C/20 °F
				-	0 = disabled
	138	d22	-2.0	evaporator temperature threshold	-10 10 °C/°F
				for adaptive defrost interval count (relative to optimal evaporator	optimal evaporator tempera- ture + d22
				temperature)	
	139	d25	0	enable outgoing air temperature	0 = no 1 = yes
				probe for defrost in evaporator	
	140	d26	6	probe alarm defrost interval in evaporator	0 99 h
	110	420		probe alarm	0 = manual only
					if d25 = 1
	NO.	PAR.	DEF.	TEMPERATURE ALARMS	MIN MAX.
	141	A0	0	select value for high/low temper- ature alarms	0 = cabinet or product tem- perature
					1 = evaporator temperature
					2 = critical temperature
	142 143	A1	0.0	low temperature alarm threshold	-99 99 °C/°F 0 = disabled
	143	A2	0	type of low temperature alarm	0 = disabled 1 = relative to setpoint (i.e.
					setpoint + A1)
		• ·		htele transmission of the state of the	2 = absolute (A1)
	144 145	A4 A5	0.0	high temperature alarm threshold type of high temperature alarm	-99 99 °C/°F 0 = disabled
	115	713		cype of high temperature diam	1 = relative to setpoint (i.e.
					setpoint + A4)
	140		122	high topporture class dat	2 = absolute (i.e. A4)
	146	A6	120	high temperature alarm delay from power-on	0 240 min
	147	A7	15	high/low temperature alarm delay	0 240 min
	148	A8	15	high temperature alarm delay af-	0 240 min
	140		4-	ter defrost	0 240 min
	149	A9	15	high temperature alarm delay from door closure	0 240 min
	150	A10	10	duration of power failure for sav-	0 240 min
				ing alarm	0 = disabled
	151	A11	2.0	high/low temperature alarm	1 15 °C/°F
	152	A12	1	threshold differential (A1 and A4) enable power failure alarm signal	0 = no
			-		1 = yes (label PF, if EVlinking
					RS-485 EVIF23TSX,
_					EVlinking BLE EEVIF25TBX or EVlinking
					Wi-Fi EVIF25TWX is con-

58	U21	0	evaporator fans on delay from	-300 300 s
			compressor on for humidity level	if values are negative, com-
			2	pressor on delay from on re-
				quest and evaporator fans im-
				mediately on
59	U22	0	evaporator fans off delay from	-300 300 s
			compressor off for humidity level	if values are negative, com-
			2	pressor off delay from off re-
				quest and evaporator fans im-
				mediately off
60	U23	60	time evaporator fans on for hu-	0 60 s
			midity level 2	
61	U24	1	time evaporator fans off for hu-	0 59 min
			midity level 2	
62	U25	0	time evaporator fans on if com-	0 59 s
			pressor is off for humidity level 2	
63	U31	0	evaporator fans on delay from	-300 300 s
			compressor on for humidity level	if values are negative, com-
			3	pressor on delay from on re-
				quest and evaporator fans im-
				quest and evaporator fans im- mediately on
64	U32	0	evaporator fans off delay from	
64	U32	0	evaporator fans off delay from compressor off for humidity level	mediately on
64	U32	0		mediately on -300 300 s if values are negative, com- pressor off delay from off re-
64	U32	0	compressor off for humidity level	mediately on -300 300 s if values are negative, com-
64	U32	0	compressor off for humidity level	mediately on -300 300 s if values are negative, com- pressor off delay from off re-
64	U32 U33	0 60	compressor off for humidity level	mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im-
			compressor off for humidity level	mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off
			compressor off for humidity level 3 time evaporator fans on for hu-	mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off
65	U33	60	compressor off for humidity level 3 time evaporator fans on for hu- midity level 3	mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s
65	U33	60	compressor off for humidity level 3 time evaporator fans on for hu- midity level 3 time evaporator fans off for hu-	mediately on -300 300 s if values are negative, com- pressor off delay from off re- quest and evaporator fans im- mediately off 0 60 s

100	CP3	100		0 100%	N							
101	CP4	0		0 240 min		153						
102	C0	0	compressor-on delay from power- on	0 240 min		154 155						
103	C1	5	delay between two compressor switch-ons	elay between two compressor 0 240 min								
104	C2	3	minimum compressor-off time	0 240 min		156						
105	C3	0	minimum compressor-on time	0 240 s								
106	C4	10	compressor-off time in cabinet probe alarm	0 240 min								
107	C5	10	compressor-on time (maximum capacity) in cabinet probe alarm	0 240 min								
108	C9	5										
109	C10	0	compressor days for maintenance	0 999 days 0 = disabled								
110	C11	10	compressor 2 on delay	0 240 s if C14 = 0								
111	C12	2		BHC = {[C12 x (compressor hours)] + [C13 x (compressor switch-ons)]} if C14 = 2								
112	C13	1	compressor switch-ons value ef- fect to balance hours and switch- ons (BHC)	0 10 BHC = {[C12 x (compressor hours)] + [C13 x (compressor switch-ons)]} if C14 = 2								
	101 102 103 104 105 106 107 108 109 110 111	101 CP4 102 C0 103 C1 104 C2 105 C3 106 C4 107 C5 108 C9 109 C10 111 C11 111 C12	IOI CP4 O 101 CP4 O 102 C0 O 103 C1 5 104 C2 3 105 C3 O 106 C4 10 107 C5 10 108 C9 5 109 C10 O 110 C11 10 111 C12 2	CP4Cabinet probe alarm101CP40maximum 0-10 V compressor-on time102C00compressor-on delay from power- on103C15delay between two compressor104C23minimum compressor-on filme105C30minimum compressor-on time106C410compressor-off time in cabinet probe alarm107C510compressor-on time (maximum capacity) in cabinet probe alarm108C95cabinet temperature consecutive time within proportional band to operate compressor at max. power109C100compressor 2 on delay111C122compressor hour value effect to balance hours and switch-ons (BHC)112C131compressor switch-ons value effect to balance hours and switch-	101CP40maximum 0-10 V compressor-on time0 240 min102C00compressor-on delay from power- on0 240 min103C15delay between two compressor switch-ons0 240 min104C23minimum compressor-off time probe alarm0 240 min105C30minimum compressor-on time probe alarm0 240 min106C410compressor-off time in cabinet probe alarm0 240 min107C510compressor-on time (maximum operate compressor at max. power0 240 min108C95cabinet temperature consecutive time within proportional band to operate compressor at max. power0 99 h109C100compressor 2 on delay if C14 = 00 240 s if C14 = 0111C122compressor hour value effect to balance hours and switch-ons (BHC)0 10112C131compressor switch-ons value effect to fect to balance hours and switch-ons ons (BHC)0 10112C131compressor switch-ons value effect to fect to balance hours and switch-ons ons (BHC)0 10	Image: cabinet probe alarmImage: cabinet probe alarm101CP40maximum 0-10 V compressor-on time0 240 min102C00compressor-on delay from power- on0 240 min103C15delay between two compressor switch-ons0 240 min104C23minimum compressor-on time probe alarm0 240 min105C30minimum compressor-on time probe alarm0 240 min107C510compressor-on time (maximum capacity) in cabinet probe alarm time within proportional band to operate compressor at max. power0 240 min108C95cabinet temperature consecutive time within proportional band to operate compressor at max. power0 240 min109C100compressor days for maintenance balance hours and switch-ons0 240 s if C14 = 0111C122compressor 2 on delay balance hours and switch-ons (BHC)0 240 s if C14 = 0112C131compressor Sor 2 on delay balance hours and switch-ons switch-ons)]} if C14 = 20 10 BHC = {[C12 x (compressor switch-ons)]} if C14 = 2112C131compressor switch-ons value effect to fect to balance hours and switch- ons (BHC)0 10						

					Wi-Fi EVIF25TWX is con-
. 100%					
	450				nected)
. 240 min	153	A13	80	high condensation signal thresh-	0 199 °C/°F
				old	differential = 2 °C/4 °F
. 240 min	154	A14	90	high condensation alarm thresh-	0 199 °C/°F
				old	
. 240 min	155	A15	1	high condensation alarm delay	0 15 min
				5	
. 240 min	156	A16	0	enable viewing of high/low tem-	0 = no 1 = yes
. 240 s				perature alarms on remote dis-	
. 240 min				play	
2.0					
. 240 min					
240 1111					
. 99 h					
= disabled					
il cabinet temperature <					
point .					
. 999 days					
= disabled					
. 240 s					
C14 = 0					
. 10					
$C = \{ [C12 \times (compressor) \} \}$					
urs)] + [C13 x (compressor					
itch-ons)]}					
C14 = 2					
. 10					
$C = \{ [C12 \times (compressor) \} \}$					
urs)] + [C13 x (compressor					
itch-ons)]}					
214 = 2	 			1	l

1	04YCM08E103 Page4 of 6 PT 15/ MIN MAX.	FANS	DEF.	PAR.	NO.
-	0 = off 1 = on	evaporator fan mode in normal	1 1	F0	157
	2 = on if compressor on	operation			
	3 = thermostat controlled (with cabinet or product				
	temperature + F1)				
	4 = thermostat controlled				
	(with cabinet or product				
	temperature + F1) if compressor on				
	5 = humidity levels function				
	6 = thermostat controlled				
	(with evaporator tem-				
	perature + F1) 7 = thermostat controlled				
	(with evaporator tem-				
	perature + F1) if com-				
-	pressor on like F0	evaporator fan mode in normal	1	F0b	158
_		"b" mode operation		100	150
	-99 99 °C/°F	evaporator fans regulation threshold	-4.0	F1	159
-		evaporator fan mode in defrost	0	F2	160
-	2 = function of F0 like F2	and drip mode evaporator fan mode in "b" mode	0	F2b	161
-		defrost and drip		-	
	0 15 min	maximum time evaporator fans off	2	F3	162
-	0 15 min	maximum time evaporator fans	2	F3b	163
-	0 240 s x 10	off in "b" mode time evaporator fans off in energy	30	F4	164
-	if F0 ≠ 5	saving			
	0 240 s x 10 if F0 ≠ 5	time evaporator fans on in energy saving	30	F5	165
-	-99 99 °C/°F	evaporator fans on threshold from	5.0	F7	166
_	setpoint + F7	dripping (relative to setpoint)	-		
	1 15 °C/°F	evaporator fans regulation	2.0	F8	167
-	0 240 s	threshold differential (F1) evaporator fans off delay from	10	F9	168
_	if F0 = 2 or 5	compressor off			
	0 = thermostat controlled	condenser fan mode in normal op-	1	F10	169
	(with condenser temper- ature + F11)	eration			
	1 = thermostat controlled				
	(with condenser temper-				
	ature + F11) if compres-				
	sor off, on if compressor on				
	2 = thermostat controlled				
	(with condenser temper-				
	ature + F11) if compres- sor off, on if compressor				
	on, off in defrost, pre-				
	drip and dripping				
	0 99 °C/°F differential = 2 °C/4 °F	condenser fans on threshold	15.0	F11	170
-	0 240 s	condenser fans off delay from	30	F12	171
-	if PP1 PP4 ≠ 3	compressor off		= 10	170
	1 25 °C/°F if Ao1 Ao3 = 2, condenser	condenser fans on threshold dif- ferential (F11)	2	F13	172
	fans proportional band (rela-				
_	tive to F11, i.e. F11 + F13)				
_	0 240 s	100 % start-up time for 0-10 V condenser fans	10	F14	173
	0 100%	maximum percentage 0-10 V con- denser fans in energy saving	100	F15	174
-	0 240 s	time evaporator fans off if com-	60	F17	175
	if F0 and/or F0b = 0	pressor off		F18	176
-	if F0 and/or F0b = 0 0 ~ 240 s	•	10	. 10	1,0
-	17 F0 and/or F0b = 0 0 240 s if F0 and/or F0b = 0	time evaporator fans on if com- pressor off	10		
-	0 240 s	time evaporator fans on if com- pressor off reversible condenser fans on in-	10 0	F19	177
-	0 240 s if F0 and/or F0b = 0 0 240 h	time evaporator fans on if com- pressor off reversible condenser fans on in- terval		F19 F20	177 178
-	0 240 s if F0 and/or F0b = 0	time evaporator fans on if com- pressor off reversible condenser fans on in-	0		
-	0 240 s if F0 and/or F0b = 0 0 240 h 0 240 min 0 = touch SET key twice 1 = with F33	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera-	0	F20	178
-	0 240 s if F0 and/or F0b = 0 0 240 h 0 240 min 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31,	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo-	0	F20	178
-	0 240 s if F0 and/or F0b = 0 0 240 h 0 240 min 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100%	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator	0	F20	178
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity	0 0 0 50	F20 F30 F31	178 179 180
	0 240 s if F0 and/or F0b = 0 0 240 h 0 240 min 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100%	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator	0 0 0	F20 F30	178 179
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100%	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator	0 0 0 50	F20 F30 F31	178 179 180
	0 240 s if F0 and/or F0b = 0 0 240 h 0 240 min 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity	0 0 0 50 100	F20 F30 F31 F32	178 179 180 181
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans with maximum capacity Fans in normal function F35 start-up duration 0-10 V evaporator fans	0 0 50 100 100	F20 F30 F31 F32 F33 F33	178 179 180 181 182 183
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V	0 0 50 100	F20 F30 F31 F32 F33	178 179 180 181 182
	0 240 s if F0 and/or F0b = 0 0 240 h 0 240 min 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100% 1 25 °C/°F	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans from power-on 0-10 V evaporator fans	0 0 50 100 100	F20 F30 F31 F32 F33 F33	178 179 180 181 182 183
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100%	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans mormal function	0 0 50 100 100 100	F20 F30 F31 F32 F33 F34 F35	178 179 180 181 182 183 184
	0 240 s if F0 and/or F0b = 0 0 240 h 0 240 min 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100% 1 25 °C/°F	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans from power-on 0-10 V evaporator fans proportional band (relative to set- point) maximum percentage 0-10 V	0 0 50 100 100 100	F20 F30 F31 F32 F33 F34 F35	178 179 180 181 182 183 184
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100% 1 25 °C/°F setpoint-F36	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans from power-on 0-10 V evaporator fans proportional band (relative to set- point)	0 0 50 100 100 100	F20 F30 F31 F32 F33 F34 F35 F36	178 179 180 181 182 183 184 185
	0 240 s if F0 and/or F0b = 0 0 240 h 0 240 min 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100% 1 25 °C/°F setpoint-F36 0 100% 0 240 s	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans from power-on 0-10 V evaporator fans proportional band (relative to set- point) maximum percentage 0-10 V evaporator fans in energy saving evaporator fans on delay from door closed	0 0 0 100 100 100 100 0 0	F20 F30 F31 F32 F33 F33 F34 F35 F36 F37 F38	178 179 180 181 182 183 184 185 186 187
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100% 0 100% 0 240 s 0 = on if cooling is on and on	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans fans mower-on 0-10 V evaporator fans proportional band (relative to set- point) maximum percentage 0-10 V evaporator fans on delay from door closed evaporator fan mode in phase 1	0 0 0 100 100 100 100	F20 F30 F31 F32 F33 F34 F35 F36 F37	178 179 180 181 182 183 184 185 186
	0 240 s if F0 and/or F0b = 0 0 240 h 0 240 min 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100% 1 25 °C/°F setpoint-F36 0 100% 0 240 s	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans from power-on 0-10 V evaporator fans proportional band (relative to set- point) maximum percentage 0-10 V evaporator fans in energy saving evaporator fans on delay from door closed	0 0 0 100 100 100 100 0 0	F20 F30 F31 F32 F33 F33 F34 F35 F36 F37 F38	178 179 180 181 182 183 184 185 186 187
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100% 0 240 s 0 = on if cooling is on and on if heating is on	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans from power-on 0-10 V evaporator fans proportional band (relative to set- point) maximum percentage 0-10 V evaporator fans on delay from door closed evaporator fan mode in phase 1 thawing evaporator fan mode in phase 2	0 0 0 100 100 100 100 0 0	F20 F30 F31 F32 F33 F33 F34 F35 F36 F37 F38	178 179 180 181 182 183 184 185 186 187
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100% 1 25 °C/°F setpoint-F36 0 100% 0 240 s 0 = on if cooling is on and on if heating is on 1 = on	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans from power-on 0-10 V evaporator fans proportional band (relative to set- point) maximum percentage 0-10 V evaporator fans in energy saving evaporator fans on delay from door closed evaporator fan mode in phase 1 thawing	0 0 0 100 100 100 100 0 0 0	F20 F30 F31 F32 F33 F34 F35 F36 F37 F38 F39	178 179 180 181 182 183 184 185 186 187 188
	0 240 s if F0 and/or F0b = 0 0 240 h 0 = touch SET key twice 1 = with F33 2 = automatic with F1, F31, F32 and F36 0 100% if F31>F32, F32 is relevant 0 100% if F32 < F31, F31 is relevant F31 F32 0 240 s 0 100% 1 25 °C/°F setpoint-F36 0 100% 0 240 s 0 = on if cooling is on and on if heating is on 1 = on like F39 like F39	time evaporator fans on if com- pressor off reversible condenser fans on in- terval reversible condenser fans on time setting percentage 0-10 V evapo- rator fan speed in normal opera- tion percentage 0-10 V evaporator fans with minimum capacity percentage 0-10 V evaporator fans with maximum capacity percentage 0-10 V evaporator fans in normal function F35 start-up duration 0-10 V evaporator fans percentage 0-10 V evaporator fans from power-on 0-10 V evaporator fans proportional band (relative to set- point) maximum percentage 0-10 V evaporator fans in energy saving evaporator fans on delay from door closed evaporator fan mode in phase 1 thawing evaporator fan mode in phase 2 thawing	0 0 0 100 100 100 100 100 0 0 0	F20 F30 F31 F32 F33 F34 F35 F36 F37 F38 F39 F39	178 179 180 181 182 183 184 185 186 187 188 189 190

3 Page4 of 6 PT 15/2	25			-			i i		-
X		198	i5	0	multi-purpose input function	0 = disabled 1 = energy saving		NO.	P/
1 = on compressor on						2 = multi-purpose input		250	n
nostat controlled						alarm		251	r
cabinet or product						3 = high pressure alarm			
erature + F1)						4 = auxiliary load 1 on			
nostat controlled						5 = auxiliary load 2 on			
cabinet or product						6 = switch device on/off			
erature + F1) if						7 = low pressure alarm 8 = compressor thermal			
ressor on dity levels function						switch alarm			
nostat controlled						8 = compressor 2 thermal			
evaporator tem-						switch alarm			
ure + F1)		199	i6	0	multi-purpose input activation	0 = with contact closed		252	r
nostat controlled						1 = with contact open			
evaporator tem-		200	i7	0	multi-purpose input alarm delay	0 120 min			
ure + F1) if com-						if i5, i15 or i18 or i20 = 3 or 7,			
or on						compressor on delay from			
		201	i8	0	number of multi-purpose input	alarm reset 0 15			
°C/°F		201	10		activations for high pressure	0 = disabled			
-, -					alarm				
1 = on		202	i9	240	consecutive time if there are no	1 999 min			
ion of F0					multi-purpose input activations to				
					reset counter due to high pres-				
		_			sure alarm				
า		203	i10	0	door closed consecutive time for	0 999 min			
n					energy saving	after cabinet or product tem- perature < SP			
1						0 = disabled			
x 10		204	i13	180	number of door openings for de-	0 240			
					frost	0 = disabled			
x 10		205	i14	32	door open consecutive time for	0 240 min		NO.	P/
		Щ			defrost	0 = disabled		253	L
°C/°F		206	i15	0	multi-purpose input 2 function	like i5		254	'
F7		207	i16	0	multi-purpose input 2 activation	like i6	ld		
^°F		208	i18	0	multi-purpose input 3 function	like i5			
		209	i19	0	multi-purpose input 3 activation	like i6	1	255	<u> </u>
r 5		210	i20	0	multi-purpose input 4 function	like i5	1	[]	'
ostat controlled		211	i21	O	multi-purpose input 4 activation	like i6		NO.	P/
nostat controlled condenser temper-		NO. 212	PAR. u1c	DEF.	DIGITAL OUTPUTS	MIN MAX.		256	1
+ F11)		212	uic		K1 relay configuration	0 = compressor 1 = compressor 2			
nostat controlled						2 = evaporator fans			
condenser temper-						3 = condenser fans			
+ F11) if compres-						4 = defrost			
ff, on if compressor						5 = cabinet light			
						6 = demisting			
nostat controlled						7 = door heaters			
condenser temper-						8 = heaters for neutral zone			
+ F11) if compres-						9 = dripping heaters			
ff, on if compressor off in defrost, pre-						10= auxiliary load 1 11= auxiliary load 2			
and dripping						12= alarm			
/°F						13= on/stand-by			
l = 2 °C/4 °F						14= evaporator fans 2			
						15= defrost 2	\bigoplus		
24 ≠ 3						16= speed 2 evaporator fans			
°F						17= reversible condenser			
103 = 2, condenser						fans			
ortional band (rela-		24.2		-		18= speed 2 condenser fans			
., i.e. F11 + F13)		213 214	u2c	2 12	K2 relay configuration K3 relay configuration	like u1c			
		214	u3c u4c	5	K4 relay configuration	like u1c			
		215	u4c u5c	4	K5 relay configuration	like u1c			
		217	u6c	13	K6 relay configuration	like u1c			
		218	u00	0	enable cabinet light and auxiliary	0 = no $1 = yes$			
or $FOb = 0$				Ŀ	load 1 and 2 in stand-by	in manual mode			
		219	u3	0	alarm output activation	0 = with alarm not active			
or F0b = 0						1 = with alarm active	1		
		220	u4	1	enable deactivation alarm output	0 = no 1 = yes	1		
					with silencing buzzer		1		
in		221	u5	-1.0	door heaters on threshold	-99 99 °C/°F			
SET key twice		222	u5d	2.0	door heaters on threshold differ-	1 25 °C/°F	9	ALA	RM
F33 natic with F1, F31,				-	ential (u5)	1 120		V: -	
ind F36		223	u6	5	maximum duration demisting on	1 120 min 1 = manual switch on/off	9.1 Check t	View	
		224	u7	-5.0	neutral zone for heating threshold	-99 99 °C/°F			۲ ت ۸
2, F32 is relevant		'			(relative to setpoint)	differential = 2 °C/4 °F	1.	L	_ <u>/</u> !
					. ,	setpoint + u7	n	<u>_</u>	
31, F31 is relevant		225	u9	1	enable alarm buzzer	0 = no 1 = yes	2.		
		226	u10	5	duration alarm buzzer at end of	0 240 s	3.		ار
					thawing			1	0
		NO.	PAR.	DEF.	ANALOGUE OUTPUTS	MIN MAX.	0.7	A1	
		227	Ao1	5	analogue output configuration	0 = PWM compressor (r15)	9.2 ALARM	Aları 4	115
						1 = 0.10 V compressor 2 = 0.10 V condenser fans	Cabin		h '
/°F	₩~					2 = 0-10 V condenser fans 3 = 0-10 V evaporator fans	Cabin		<i></i> , I
36	₩					4 = disabled	Evapo	orato	r Pi
						5 = disabled			
		228	Ao2	5	analogue output 2 configuration	like Ao1			
		229	Ao3	5	analogue output 3 configuration	like Ao1	Conde	enser	Pr
		NO.	PAR.	DEF.	СГОСК	MIN MAX.			
	9	230	Hr0	0	enable clock	0 = no 1 = yes	Critica	al Tei	mp
cooling is on and on		NO.	PAR.	DEF.	ENERGY SAVING (if r5 = 0)	MIN MAX.			
iting is on	*	231	HE2	0	maximum duration energy saving	0 999 min	Outgo	oing /	Air
						0 = until door opened			
		NO.	PAR.	DEF.	ENERGY SAVING IN REAL TIME (if	MIN MAX.	E		
	<u> </u>	25	115.1	6	r5 = 0)	0	Evapo	- at0	. 2
	-	232	H01	0	energy saving time	0 23 h	RTC F	ailur	e
		233	H02	0 DEE	maximum duration energy saving		Low T		
			PAR.	DEF.	SWITCH ON/OFF IN REAL TIME	MIN MAX.		P	
		234	Hon	h-	time device switch-on	0 h h = disabled	High	Temp	bera
		235	HoF	h-	time device switch-off	like HoF			
Χ.	Ē	235	Hc1	h-	1 st time reversible condenser fans	0 h	Door	Open	· _
						1	· -	r Fail	ure
led	щu				on	h = disabled	Powe		
led ressor + evapora- ins off	шu				on	h = disabled for F20	Powe	an	

	NO. 250	PAR. rE0	DEF. 15	1	A-LOGGING	onling in-	MIN MAX. 0 240 min
	230	120	15	terv		iping in	0 240 mm
	251	rE1	1		ct temperature for I a logger	EVlinking	0 = none 1 = cabinet
				uata	alogger		2 = evaporator 3 = condenser
							4 = critical
							5 = outgoing air 6 = evaporator 2
							6 = evaporator 2 7 = product
							8 = cabinet + evaporator +
							condenser 5 = all
	252	rEt	0	sele	ct temperature for da	ta logger	0 = cabinet or product (no
				devi	ice in last 72 hours		during defrost, pre-drip
च्चि							ping, dripping and fai stop)
							1 = cabinet or product (also
							during defrost, pre-drip
							ping, dripping and far stop)
							2 = critical (not during de
							frost, pre-dripping, drip ping and fan stop)
							3 = critical (also during de
							frost, pre-dripping, drip
							ping and fan stop) 4 = cabinet or product (only
							during defrost, pre-drip
							ping, dripping and far
							stop)
	NO.	PAR.	DEF.	<u> </u>	OBUS		MIN MAX.
	253 254	LA Lb	247 3		OBUS address		1 247 0 = 2 400 baud
	254	LD	د		OBUS baud rate		0 = 2,400 baud 1 = 4,800 baud
ld							2 = 9,600 baud
	255	LP	2	MO			3 = 19,200 baud
	255		2		OBUS parity		0 = none 1 = odd 2 = even
	NO.	PAR.	DEF.		OBUS USE		MIN MAX.
	256	bLE	1	type	e of use of TTL MODB	US port	0 = for real time functions (with EVlinking RS-485
							EVIF23TSX converter) o
							for MODBUS RTU via RS
							485 communicatior (with EVlinking RS-485
							EVIF23TSX 0
							EVIF24TSX converter)
							1 99 = serial communica
							tion address
							- for EVconnect app (with
							EVlinking BLE module) and for EPoCA monitoring sys
							tem or for MODBUS TCP via
							Wi-Fi communication (with
							EVlinking Wi-Fi EVIF25TW) module), set 1
							- for EPoCA monitoring sys
							tem or for MODBUS TCP via Ethernet communication
							(wit EVlinking RS-48
							EVIF24TSX converter and
							EV3 Web or EVD Web Io
							gateway), please consul the proper manual
							The communication work
							with MODBUS baud rate 19,200 and with MODBUS par
							ity even, independently on the
							value set with parameters
	I	I	I	I		I	Lb and LP
9	ALA	RMS					
9.1	View	dina ac	tive al-	rm-			
			tive ala ad is no		ked.		
1.		Λ			ch the ALARM key		
		<u>دن</u>				av with:- *	15 c to coroll through the active
2.	Ý	\checkmark		alar		ey wittilli	15 s to scroll through the active
3.		(I)				' key (or t	ake no action for 60 s) to exi
	I	\smile		the	procedure		
9.2	Alar	ms					
ALARM					DESCRIPTION	RESET	TO CORRECT
Cabin	et Pr	b. Failu	ıre		cabinet probe alarm	automatio	 check P0 check the integrity
Evapo	orato	r Prb. F	ailure		evaporator probe	automatio	of the probe
					alarm		 check electrical con nection
Conde	enser	Prb. F	ailure			automatio	
<u> </u>					alarm		
Critica	а Те	mp. Pri	b. Failu	re	critical tempera- ture probe alarm	automatio	
		Air Prb	Failure	e	outgoing air tem-	automatio	2
Outgo	ing /						
Outgo	oing /				perature probe		
				e	alarm	automatic	
			. Failur	e	alarm	automatio	2
	orato	r 2 Prb		e	alarm evaporator 2	automatio manual	set the date and time

							233	HU2	0	maximum duration energy saving	1 U 24 fi					
	191	F42	0	evaporator fan mode in phase 4 thawing	like F39		NO.	PAR.	DEF.	SWITCH ON/OFF IN REAL TIME	MIN MAX.	Low Temperature	low temperature alarm	automatic	check A0, A1 and A2	
	192	F43	0	evaporator fan mode in phase 5 thawing	like F39		234		h-	time device switch-on	0 h h = disabled	High Temperature	high temperature	automatic	check A0, A4 and A5	
	NO.	PAR.	DEF.	DIGITAL INPUTS	MIN MAX.	Ö	235	HoF	h-	time device switch-off	like HoF	Door Open	door open alarm	automatic	check i0 and i1	
	193	i0	5	door switch input function	0 = disabled 1 = compressor + evapora- tor fans off	ШŌ	236	Hc1	h-	1 st time reversible condenser fans on	0 h h = disabled for F20	Power Failure		manual	- touch a key - check electrical con-	
					2 = evaporator fans off 3 = cabinet light on		237 NO.	Hc2 PAR.	h- DEF.	2 nd time reversible condenser fans on REAL-TIME DEFROST	like Hc1 MIN MAX.	Cond. Overheat	high condensation	automatic	nection check A13	
			4 = compressor + evapora- tor fans off, cabinet light		238		h-	1 st daily defrost time	MIN MAX. 0 h h = disabled	Comp. Locked	high condensation alarm	manual	- switch the device off and on			
				5 = evaporator fans off, cab-	٥C	٥O	٥C	239 Hd2 h- 2 nd daily defrost time like Hd1 Multi-purpose multi-purpose 240 Hd3 h- 3 rd daily defrost time like Hd1 Multi-purpose multi-purpose	multi-purpose in-	automatic	- check A14 check i5, i6, i15, i16, i18,					
	194	94 i1 0 door switch input activation	door switch input activation	inet light on 0 = with contact closed		241	Hd4	h-	4 th daily defrost time	like Hd1		put alarm		i19, i20 and i21		
			•		1 = with contact open		242		h-	5 th daily defrost time	like Hd1	High Pressure	multi-purpose in- put alarm	automatic	check i5, i6, i15, i16, i18, i19, i20 and i21	
	195	i2	30	door open alarm delay	-1 120 min -1 = disabled		243 NO.	Hd6 PAR.	h- DEF.	6 th daily defrost time SECURITY	like Hd1 MIN MAX.	High Pressure Lock	high pressure alarm	manual	switch the device off and on	
	196	i3	15	maximum compressor and evap- orator fan off time with door open	-1 120 min -1 = until closed		244 245	POF Loc	1	enable ON/STAND-BY key enable keypad lock	0 = no 1 = yes 0 = no		aann		 check i5, i6, i8, i9, i15, i16, i18, i19, i20 and 	
	197	i4	0	enable door open alarm saving	0 = no $1 = yesif i2 \neq -1 and after i2$		246	Sen	100	keypad sensitivity	1 = yes (after 30 s) 40 240 40= very sensitive	Low Pressure		automatic	i21 check i5, i6, i15, i16, i18,	
				6	Ø	\overline{O}	\overline{O}	247		-19	password to access settings from keypad	-99 999	Thermal Switch 1	alarm compressor ther- mal switch alarm	automatic	i19, i20 and i21 check i5, i6, i15, i16, i18, i19, i20 and i21
						248	PA1	426	level 1 password to access set- tings from EVconnect and EPoCA	-99 999	Thermal Switch 2		automatic	check i5, i6, i15, i16, i18, i19, i20 and i21		
						249	PA2	824	level 2 password to access set- tings from EVconnect and EPoCA	-99 999	Defrost Timeout	alarm defrost timeout alarm	manual	- touch a key		

EVCO S.p.A. EV	'Y Cold MEDIUM	Instruction sheet v	ver. 1	.0 Code 1		108E103 Page5 of 6 PT 15/ - check d2, d2b, d3, d3b and d11	
10 TECHN	NICAL SPECIFI	CATIONS					
	control device:			ction contr			
	of the control dev	/ice:	-	t-in electro			
Housing: Category of he	eat and fire resis	tance:	D	ck, self-ext	inguis	shing	
Measurements		tance.			x 73.0	0 mm (7 5/8 x 2 5/16 x 2	
Mounting meth	hods for the cont	trol device:	fron	· ·		n a plastic or metal panel g flaps).	
Degree of prot	ection provided	by the casing:	stal		netal p	ded that the device is in- panel from 0.8 to 1.5 mm in) thick	
Connection me							
outputs and p outputs)	ort for remote i	indicator) and wi				ts, digital inputs, analogue (power supply and digital	
	nector (TTL MOI		· • •				
	10 m (32.8 ft)	r connection cable	1	loque innu	+e · 10) m (32.8 ft)	
	10 m (32.8 ft)		1			3 m (9.84 ft)	
	: 10 m (32.8 ft)		1			icator: 3 m (9.84 ft)	
Operating tem						rom 23 to 140 °F)	
Storage tempe						from -13 to 158 °F)	
Operating hum	nidity:				lity wi	ithout condensate from 10	
Pollution statu	s of the control (device:	to 9 2	90 %			
	S of the contract	Jevice.	-				
Compliance:	_		1				
EMC 2014/30/					~ /E11		
RoHS 2011/65			1	EE 2012/19			
Power supply:	egulation no. 19	07/2006	1	2014/35/		0 % -15 %), 50/60 Hz(±3	
	ods for the contr	rol device:		, max. 10.			
	withstand voltage	ge:	2,5	kV			
Overvoltage ca Software class	ategory: and structure:		II				
Analogue input			<u> </u>	r configura	able P	TC, NTC or Pt 1000 probes	
PTC probes:	Type of sensor	r.	KTY	⁷ 81-121 (9	90 Ω	@ 25 °C, 77 °F)	
	Measurement		1			(from -58 to 302 °F)	
	Resolution:		0.1	°C (1 °F)			
NTC probes:	Type of sensor		1			°C, 77 °F)	
	Measurement	field:	1)5 °C	(from -40 to 221 °F)	
	Resolution:		1	°C (1 °F)	· ^E		
Probes	Type of sensor			Ω@0°C,			
Pt 1000:	Measurement Resolution:	field:	-	n -99 to 19 °C (1 °F)) 9 °ر	(from -146 to 390 °F)	
Digital inputs:	Kesolution			oltage-free	e (doo	or switch and multi-pur-	
Voltage-free:		Type of contact		e)	1	Vdc, 1 mA	
		Power supply:			none		
		Protection:		* h-1 -	none		
Analogue outp	uts:		3 (1	nfigurable	PWM	l or 0-10 V output	
PWM output:	Output:		-	Vdc (±15%	o), 10	mA max	
	Frequency:		20 150 Hz				
2 10 1/	Protection:	Partie impod	none				
0-10 V output:	Minimum app ance:	plicable imped-	1 ks	.2			
output.	Resolution:		0.1 V				
Digital outputs	•		lectro	-mechanic	al rela	ays in compliance with the	
K1 relay:		EN 60079-15 st	SPS	ST, 16 A re		250 Vac (30 A res. @ 250	
K2 relay:			Vac in the EVY236DN9 model) SPDT, 8 A res. @ 250 Vac				
K3 relay:			SPST, 8 A res. @ 250 Vac				
K4 relay:			SPST, 8 A res. @ 250 Vac				
K5 relay:			1	DT, 8 A res			
K6 relay:				T, 16 A re			
					tal ou	tputs (electro-mechanical	
relays) and the Type 1 or Type		Extra Low Voltage	e) ciro type				
Additional feat	ures of Type 1 or	r Type 2 actions:	С				
Displays:			1		colour	graphic display	
Alarm buzzer:			buil	t-in			
Communicatio		or the EVconnect	1 t tv	TRA C LISB	Port		
	remote monitori		1.,	vpe C USB	μοιτ		

N.B.

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

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