# **EVY Cold BASIC**

### Controllers for refrigerated cabinets and display units





- controllers for normal or low temperature units
- power supply 115... 230 Vac
- 3 analogue inputs for configurable PTC, NTC or Pt 1000 probes
- door switch digital input
- multi-purpose digital input
- management of variable capacity PWM compressors (Embraco, Secop and Tecumseh), rather than variable capacity compressors or 0-10 V modulating fans
- models with 3, 4 or 5 digital outputs (electro-mechanical relays)
- main relay 16 A res. @ 250 Vac or 30 A res. @ 250 Vac (according to the model)
- sealed relays compliant with the standard EN 60079-15  $\,$
- TTL MODBUS slave port for the EVconnect app or the EPoCA remote monitoring system
- hot or cold mode regulation

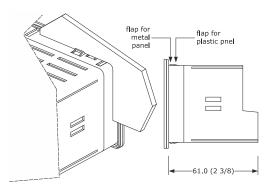
Purchasing code	Number of relays	Capacity of main relay	Manag. of remote indicator
EVYB13LN9	3	16 A res. @ 250 VAC	no
EVYB33LN9	3	30 A res. @ 250 VAC	no
EVYB14LN9	4	16 A res. @ 250 VAC	no
EVYB34LN9	4	30 A res. @ 250 VAC	no
EVYB15LN9	5	16 A res. @ 250 VAC	no
EVYB35LN9	5	30 A res. @ 250 VAC	no
EVYB35LN9VFT	5	30 A res. @ 250 VAC	yes

### MEASUREMENTS AND INSTALLATION

Measurements are expressed in mm (inches). Front installation on a plastic or metal pane (with elastic holding flaps).



the metal panel must be between 0.8 and 1.5 mm (1/32 and 1/16 in) thick, while the plastic panel must be between 0.8 and 3.4 mm (1/32 and 1/8 in) make sure the product used to clean the device is not classified as aggressive



#### FIRST-TIME USE Carry out the installation following the instructions given in the section MEASUREMENTS

- AND INSTALLATION. Power up the device: an internal test will start up.
- The test normally takes a few seconds; when it is finished, the display will switch off. Configure the device as shown in the section Setting configuration parameters
  - Recommended configuration parameters for first-time use:

PAR.	DEF.	PARAMETER	MIN MAX.
SP	0.0	setpoint	r1 r2
P0	1	type of probe	0 = PTC 1 = NTC
			2 = Pt 1000
P2	0	temperature measurement unit	0 = °C 1 = °F
d1	0	type of defrost	0 = electric 1 = hot gas
			2 = compressor stopped

Next check that the remaining settings are appropriate; see the section  ${\it CONFIGURA-}$ TION PARAMETERS.

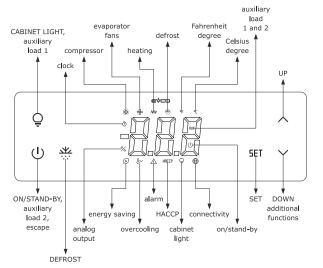
- Disconnect the device from the mains.
- Make the electrical connection as shown in the section ELECTRICAL CONNECTION, without powering up the device.
- To perform the configuration upload or download, connect the EVJKEY programming

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

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

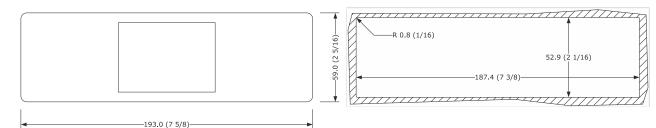
## **USER INTERFACE AND MAIN FUNCTIONS**



## Switching the device on/of

If POF = 1 (default), touch the ON/STAND-BY key for 4 s

If the device is switched on, the display will show the P5 value (default "cabinet or product temperature"); if the display shows an alarm code, see the section ALARMS.



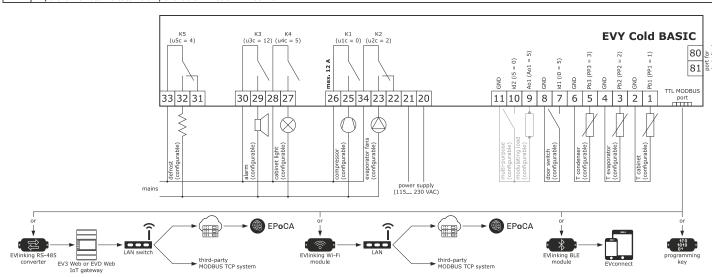
#### INSTALLATION PRECAUTIONS

- ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFICATIONS section
- do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations or shocks
- in compliance with safety regulations, the device must be installed properly to ensure adequate protection from contact with electrical parts. All protective parts must be fixed in such a way as to need the aid of a tool to remove them.

### ELECTRICAL CONNECTION

N.B.

- use cables of an adequate section for the current running through them
- in some cases the temperature on the terminal blocks can reach 105 °C (221 °F): use cables with adequate insulation
- to reduce any electromagnetic interference, locate the power cables as far away as possible from the signal cables
- the K3 and K4 relays are not available in models with 3 relays
- the K4 relay is not available in models with 4 relays the maximum total current allowed on the loads is 32 A
- port for remote indicator is only available in model EVYB35LN9VFT



#### PRECAUTIONS FOR ELECTRICAL CONNECTION

- if using an electrical or pneumatic screwdriver, adjust the tightening torque
- if the device is moved from a cold to a warm place, humidity may cause condensation to form inside. Wait for about an hour before switching on the power
- make sure that the supply voltage, electrical frequency and power are within the set limits. See the section TECHNICAL SPECIFICATIONS
- disconnect the power supply before carrying out any type of maintenance
- do not use the device as a safety device
- for repairs and further information, contact the EVCO sales network

LED	ON	OFF	FLASHING
*	compressor on	compressor off	compressor protection active
A Sp	evaporator fans on	evaporator fans off	evaporator fans off active
-Wr	heating active	heating not active	demisting on or door heaters on
<u>₩</u>	defrost or pre-drip active	defrost or pre-drip not active	- defrost delay active - dripping active
°F	temperature displayed in Fahrenheit	-	setpoint being set
°C	temperature displayed in Celsius	-	setpoint being set
Ō	clock active	clock not active	date, time and day of current week being set
AUX	auxiliary load 1 on	auxiliary loads 1 and 2 off	auxiliary load 2 on
%	percentage of power generated by analogue output displayed	-	<ul> <li>slow: low humidity function active</li> <li>rapid: high humidity function active</li> </ul>
()	device off	device on	device being switched on/off
3	energy saving active	energy saving not active	-
- - - - - - -	overcooling or over- heating active	overcooling or over- heating not active	-
$\triangle$	alarm active	alarm not active	compressor maintenance request
НАССР	saved HACCP alarm not displayed	no HACCP alarm saved or no saved HACCP alarm not displayed	new HACCP alarm saved
Ô	cabinet light on	cabinet light off	cabinet light on from digital input
<b>#</b>	connection with EVconnect app or EPoCA remote moni- toring system	no connection	-

If Loc = 1 (default) and 30 s have elapsed without the keys being pressed, the display will show the " $\mathbf{Loc}''$  label and the keypad will lock automatically.

## 4.2 Unlocking the keypad

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

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

Check that the keypad is not locked.

1.	5ET	Touch the SET key
2.	f	Touch the UP or DOWN key within 15 s to set the value within the limits r1 and r2 (default "-40 50")
3.	5ET	Touch the SET key (or take no action for 15 s)

### Setting the 0-10 V evaporator fan speed for normal operation (percentage 0-10 V output; available if Ao1 = 3 and F30 = 0)

Check that the keypad is not locked.

1.	<u>5</u> 1-1	Touch the SET key twice
2.	f	Touch the UP or DOWN key within 15 s to set the value within the limits F31 and F32 (default "50 100")
3.	5ET	Touch the SET key (or take no action for 15 s)

## 4.5 Activating manual defrost (if r5 = 0, default)

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

\*\* Touch the DEFROST key for 2 s 1.

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

#### Manually activating/deactivating the overcooling, overheating and energysaving functions Check that the keypad is not locked.

Touch the DOWN key.

FUNCTION CONDITION CONSEQUENCE r5 = 0, r8 = 1 and defrost the setpoint becomes "setpoint overcooling r6", for the r7 time not activated overheating the setpoint becomes "setpoint + r5 and r8 = 1r6", for the r7 time energy saving r5 = 0 and r8 = 2 (default) the setpoint becomes "setpoint + r4", for the HE2 time at the most

If u1c... u5c = 16, the evaporator fans will operate at this speed during the energy-saving function

If u1c... u5c = 18, the condenser fans will operate at this speed during the energy-saving function.

#### 4.7 Manually switching the cabinet light on/off (if u1c...u5c = 5)

Touch the CABINET LIGHT key

#### Switching the demisting function on (if u1c...u5c = 6) 4.8 Touch the CABINET LIGHT key (for 2 s if u1c...u5c = 5) 1.

The demisting function stays on for the duration of u6.

Switching auxiliary load 1 on/off (if u1c... u5c = 10) 4.9

#### Touch the CABINET LIGHT key (for 2 s if u1c... u4c = 5) 1.

... u5c = 6, it also switches the demisting function on. If u1c.

#### 4.10 Switching auxiliary load 2 on/off (if u1c... u5c = 11)

Touch the ON/STAND-BY key

4.11 Silencing the buzzer (if u9 = 1, default)

Touch a key

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

# ADDITIONAL FUNCTIONS

Setting the date, time and day of the week (available when the EVlinking RS 485 EVIF23TSX converter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-Fi EVIF25TWX module is connected)





do not disconnect the device from the mains in the two minutes after setting the date, time and day of the week

if the device communicates with the EVconnect app or the EPoCA remote monitor ing system, it is possible to force the date and time synchronization with those of the smartphone, tablet or Personal Computer from which you are operating

## Check that the keypad is not locked.

1.		Touch the DOWN key for 1 s
2.	<b>F</b>	Touch the UP or DOWN key within 15 s to select the label "rtc"
		Touch the CET keys the display will show the label "st" follows

ouch the SET key: the display will show the label " $\mathbf{y}''$  followed 3. 늘 by the last two figures of the year

4.	1		٠	Touch the UP or DOWN key within 15 s to set the year
5.	Repea	t actions	3 ar	nd 4 to set the next labels
	LAB.	MEANIN	NG C	F THE NUMBERS FOLLOWING THE LABEL
	n	month (	(01	. 12)
	d	day (01	3	1)
	h	hour (0	0 2	23)
	n	minutes	(00	) 59)
6.	5	ΕT		Touch the SET key: the display will show the label for the day of the week
7.	<b>√</b>		٠	Touch the UP or DOWN key within 15 s to set the day of the week
	LAB.	DESCRI	PTI	ON
	Mon	Monday	′	
	tuE	Tuesday	У	
	UEd	Wednes	sday	
	thu	Thursda	ау	
	Fri	Friday		
	Sat	Saturda	ay	
	Sun	Sunday		
8.	5	ET		Touch the SET key: the device will exit the procedure
9.	(	Ŋ		Touch the ON/STAND-BY key to exit the procedure beforehand.

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

Check that the keypad is not locked.

CHECK	that the keypad is not locked.				
1.	<b>\</b>		Touch the DOWN key for 1 s		
2.	f		Touch the UP or DOWN key within 15 s to select the label "rH"		
3.	≙SET		Touch the SET key until the display shows the label of the desired function		
	rhL low humidi		ON		
			cy function (evaporator fans with F17 and F18 if the compressor is		
		off, on if the	e compressor is on)		
	rhH	rhH high humidity function (evaporator fans on)			
		L	Touch the ON/STAND-BY key (or take no action for 60 s) to exit		
4.			the procedure		
If u1c	uSc = 16, the evaporator fanc will energie at this speed during low hymidity function				

### Viewing/deleting HACCP alarm information

Check t	that the keypad is no		t locked.	
1.			Touch the DOWN key for 1 s	
2.	₹ <b>S</b>	<b>★</b>	Touch the UP or DOWN key within 15 s to select a label	
	LAB.	DESCRIPTION	ON	
	LS	view HACCF	Palarm information	
	rLS	delete HAC	CP alarm information	
3.	SET		Touch the SET key	
4.	<b>1</b>	<b>A</b>	Touch the UP or DOWN key to select an alarm code (to select label "LS") or to set "149" (to select label "rLS")	
	COD	DESCRIPTION	ON	
	E			
	AL	low tempera	ature alarm	
	AH	high temper	rature alarm	
	id	alarm (if i4 = 1)		
	PF power failure alarm (available when the EVlinking RS-485 EVIF23TSX co			
		verter, the EVlinking BLE EVIF25TBX module or the EVlinking Wi-		
		EVIF25TWX	module is connected)	
5.	51	Touch the SET key		
	(	L	Touch the ON/STAND-BY key (or take no action for 60 s) to exit	

Example of alarm information (e.g. a high temperature alarm).

the procedure

8.0		the critical 8.0 °C/°F	value (	cabinet or p	roduct temp	erature) was
Sta	(available	e when	the	EVlinking	RS-485	EVIF23TSX
	converter	, the EVIinl	king BLE	EVIF25TBX	module or	the EVIinking
	Wi-Fi					
	EVIF25TV	VX module is	connec	ted)		
	y24	alarm signalled in 2024				
	n07	alarm signa	lled in J	uly		
	d03	alarm signalled on 3 July 2024				
	h16	alarm signa	lled at 1	6:00		
	n30	alarm signa	lled at 1	6:30		
dur	I					
	h01	alarm laste	d 1 hour	•		
	n15	alarm laste	d 1h 15r	min		

### 5.4 Viewing the minimum and maximum temperatures saved in the last 72 hours Check that the keypad is not locked.

1.	<b>\</b>		Touch the DOWN key for 1 s	
2.	<b>1</b>		Touch the UP or DOWN key within 15 s to select a label	
	LAB. DESCRIPTI		ON	
	Ht maximum t		emperature saved in the last 72 hours	
	Lt	minimum te	emperature saved in the last 72 hours	
3.	5ET		Touch the SET key	
4.	(1)		Touch the ON/STAND-BY key (or take no action for 60 s) to exit	
4.			the procedure	
The device saves the rEt value			lue (default "temperature of the cabinet or the product, not during	

defrost, pre-drip or dripping and with the fans off"). When the device is switched on/off, these temperatures are deleted.

# 5.5 Viewing/deleting compressor operation days

Check t	that the keypad is no		t locked.		
1.		/	Touch the DOWN key for 1 s		
2.	f		Touch the UP or DOWN key within 15 s to select a label		
	LAB.	DESCRIPTION	ON		
	CH1	view compr	essor operation days		
	CH2	view compr	essor 2 operation days (visible if u1c u5c = 1)		
	rCH	rCH delete compressor operation days			
3.	51	ΕT	Touch the SET key		
4.	f 5		Touch the UP or DOWN key to set "149" (to select rCH)		
5.	51	ET	Touch the SET key		
6.	(	Ŋ	Touch the ON/STAND-BY key (or take no action for 60 s) to exit the procedure		

5.6	Viewing the temperature detected by the probes and the operational working setpoint
Check	that the keypad is not locked.

Touch the DOWN key for 1 s

2.	<b>√</b>	<b>→</b>	Touch the UP or DOWN key within 15 s to select a label							
	LAB.	DESCRIPTION	ON							
	Pb1	probe 1 tem	nperature (default "cabinet temperature", visible if PP1 ≠ 0)							
	Pb2	probe 2 tem	nperature (default "evaporator temperature", visible if PP2 ≠ 0)							
	Pb3	probe 3 tem	nperature (default "condenser temperature", visible if PP3 ≠ 0)							
	SOP	operational	working setpoint (in energy saving, overcooling/overheating)							
3.	51	ET	Touch the SET key							
4.	(	り	Touch the ON/STAND-BY key (or take no action for 60 s) to exit the procedure							

## 5.7 Displaying the percentage of power generated by the analogue output

Check that the keypad is not locked.

1.	\	/	Touch the DOWN key for 1 s						
2.	V	<u> </u>	Touch the UP or DOWN key within 15 s to select a label						
	LAB.	DESCRIPTION	ON						
	AoE	evaporator	fans (visible if Ao1 = 3)						
	AoC	condenser f	ans (visible if Ao1 = 2)						
	СоМ	compressor	(visible if Ao1 = 0 or 1)						
3.	51	ET	Touch the SET key						
4.	(	Ŋ	Touch the ON/STAND-BY key (or take no action for 60 s) to exit the procedure						

### 5.8 Starting up the EVlinking Wi-Fi module again

Check that the keypad is not locked.

1.	<b>\</b>	Touch the DOWN key for 1 s
2.	f	Touch the UP or DOWN key within 15 s to select the label "run"
3.	5ET	Touch the SET key until the device displays the P5 value

6	SETTINGS	
6.1	Setting configuration	on parameters
1.	5ET	Touch the SET key for 4 s: the display will show the label "PA"
2	SET	Touch the SET key
3.	<b>F</b>	Touch the UP or DOWN key within 15 s to set the PAS value (default "-19")
4.	SET	Touch the SET key (or take no action for 15 s): the display will show the label " $\mathbf{SP}$ "
5.	f 3	Touch the UP or DOWN key to select a parameter
6.	5ET	Touch the SET key
7.	₹ <b>₩</b>	Touch the UP or DOWN key within 15 s to set the value
8.	5ET	Touch the SET key (or take no action for 15 s)
9.	SET	Touch the SET key for 4 s (or take no action for 60 s) to exit the procedure
6.2	Restoring factor	y settings

### Restoring factory settings

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

1.	SET	Touch the SET key for 4 s: the display will show the label "PA"
2.	SET	Touch the SET key
3.	f	Touch the UP or DOWN key within 15 s to set "149"
4.	SET	Touch the SET key (or take no action for 15 s): the display will show the label "dEF"
5.	5ET	Touch the SET key
6.	f	Touch the UP or DOWN key within 15 s to set "1"
7.	SET	Touch the SET key (or take no action for 15 s): the display will show "dEF" flashing for 4 s, after which the device will exit the procedure
8.	Disconnect the dev	ice from the power supply
9.	⊇SET	Touch the SET key for 2 s before action 6 to exit the procedure beforehand $ \\$

Ü≣	NO.	PAR.	DEF.	SETPOINT	MIN MAX.
●_	1	SP	0.0	setpoint	r1 r2
	NO.	PAR.	DEF.	ANALOGUE INPUTS	MIN MAX.
	2	CA1	0.0	probe 1 offset	-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	P0	1	type of probe	0 = PTC 1 = NTC 2 = Pt 1000
	6	P1	1	enable decimal point °C	0 = no 1 = yes
	7	P2	0	temperature measurement unit	0 = °C 1 = °F
	8	Р3	1	evaporator probe function	0 = disabled
					1 = defrost + fans
					2 = fans
Q,	9	P5	0	value displayed	0 = if PP1 PP3 = 5, product temperature (CPT), otherwise cabinet temperature 1 = setpoint 2 = evaporator temperature 3 = condenser temperature 4 = critical temperature 5 = incoming air temperature 6 = outgoing air temperature 7 = evaporator 2 tempera-
	10	P5r	0	value shown on remote display	ture
	1 10	ו רסר	ן ט	value shown on remote display	like ro

O,	9	P5	0	value displayed	0 = if PP1 PP3 = 5, product temperature (CPT), otherwise cabinet temperature 1 = setpoint 2 = evaporator temperature 3 = condenser temperature 4 = critical temperature 5 = incoming air temperature 6 = outgoing air temperature 7 = evaporator 2 temperature
	10	P5r	0	value shown on remote display (when managed)	like P5
	11	P7	50	incoming air effect to calculate product temperature (CPT)	0 100 % CPT = {[(P7 x (incoming air)] + [(100 - P7) x (outgoing air)] : 100}
	12	P8	5	display refresh time	0 250 s: 10
	13	P9	5	key and display brightness with keypad locked	1 = level 1 2 = level 2 3 = level 3 4 = level 4 5 = display level 4, keys level 1 6 = display level 4, keys off

	ا	l 554	ه ا	Levels & Country	lo godini
	14	PP1	1	probe 1 function	0 = disabled 1 = if PP1 PP3 = 5, incoming air temperature
					probe, otherwise cabinet temperature probe
					2 = evaporator temperature probe
					3 = condenser temperature probe
					4 = critical temperature probe
					5 = outgoing air tempera- ture probe 6 = evaporator 2 tempera-
	15	PP2	2	probe 2 function	ture probe
	16 NO.	PP3 PAR.	3 DEF.	probe 3 function  MAIN REGULATOR	like PP1 MIN MAX.
	17	r0	2.0	setpoint differential	1 15 °C/°F if Ao1 = 0, compressor band
					off (relative to setpoint, i.e. setpoint - r0)
	18 19	r1 r2	-40 50.0	minimum setpoint maximum setpoint	-99 °C/°F r2 r1 199 °C/°F
	20 21	r3 r4	0.0	enable setpoint lock setpoint offset in energy saving	0 = no 1 = yes 0 99 °C/°F
	22	r5	0	hot or cold mode regulation	0 = cold mode 1 = hot mode
	23	r6	0.0	setpoint offset in overcool- ing/overheating	0 99 °C/°F
	24 25	r7 r8	2	DOWN key additional function	0 240 min 0 = disabled
	26	r12	1	differential position r0	1 = overcooling/overheating 2 = energy saving 0 = asymmetrical
	27	r13	25.0	proportional band with PWM	1 = symmetrical 0 99 °C/°F
*	28	r14	10	compressor (relative to setpoint) integral action time with PWM	setpoint + r13 0 99 min
	29	r15	3	compressor type of PWM compressor	1 = Embraco VEM
					2 = Embraco VEG 3 = Embraco VNEK and
					VNEU 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	9 = Embraco VESF 0 % r17
				compressor with minimum capacity	
	31	r17	100	percentage 0-10 V output for compressor with maximum ca-	r16 100%
	32	r18	0	maximum percentage 0-10 V	0 100%
	NO.	PAR.	DEF.	output for compressor in energy- saving mode COMPRESSOR	0 = disabled MIN MAX.
	33	CP0	0	85 Hz PWM compressor time from power-on	0 100 s x 10
	34	CP1	50	percentage 0-10 V compressor from power-on	0 100%
	35	CP3	100	percentage 0-10 V compressor in cabinet probe alarm	0 100%
	36	CP4	0	maximum 0-10 V compressor-on time	0 240 min
	37	C0	0	compressor-on delay from pow- er-on	0 240 min
	38	C1 C2	3	delay between two compressor switch-ons minimum compressor-off time	0 240 min 0 240 min
	40	C3 C4	0	minimum compressor-on time compressor-off time in cabinet	0 240 s 0 240 min
	42	C5	10	probe alarm compressor-on time (maximum	0 240 min
•	43	C9	5	capacity) in cabinet probe alarm cabinet temperature consecutive	0 99 h
				time within proportional band to operate compressor at max.	0 = disabled until cabinet temperature <
	44	C10	0	power compressor days for mainte-	o 999 days
	45	C11	10	compressor 2 on delay	0 = disabled 0 240 s
	46	C12	2	compressor hour value effect to balance hours and switch-ons	if C14 = 0 0 10 BHC = {[C12 x (compressor
				(BHC)	hours)] + [C13 x (compressor switch-ons)]}
	47	C13	1	compressor switch-ons value ef-	if C14 = 2 0 10
				fect to balance hours and switch- ons (BHC)	BHC = {[C12 x (compressor hours)] + [C13 x (compressor public and )]
	40	C14			sor switch-ons)]} if C14 = 2 0 = function of C11
	48	C14	1	constraint between compressor and compressor 2	1 = function of C11 2 = function of C12 and C13
	NO.	PAR.	DEF.	DEFROST (if r5 = 0) enable "b" mode parameters	MIN MAX.  0 = no
	50	d01	1.0	setpoint threshold to activate "b" mode parameters	r1 r2 activated if setpoint > d01
	51	d0	8	automatic defrost interval	0 99 h 0 = manual only
	52	d0b	6	automatic defrost interval in "b"	if d8 = 3, maximum interval
	53	d1	0	type of defrost	0 = electric
					1 = hot gas (do not use with regulation with 2 com- pressors)
	54	d1b	2	type of "b" mode defrost	2 = compressor stopped like d1
٥,	55	d2 d2b	2.0	defrost end threshold "b" mode defrost end threshold	-99 99 °C/°F like d2
-	57	d3	30	defrost duration	0 99 min if P3 = 1, maximum duration
	58 59	d3b d4	20	"b" mode defrost duration enable defrost at power-on	like d3  0 = no 1 = yes
	60	d5 d6	0	defrost delay from power-on value displayed when defrosting	0 99 min 0 = cabinet or product tem-
				, , , , , , , , , , , , , , , , , , , ,	perature  1 = locked display
	62	d7	2	drip duration	2 = label dEF 0 15 min
	63	d7b	0	"b" mode drip duration	like d7
				<u> </u>	<u> </u>

64	d8	d BASIC	Instruction sheet ver. 1.0   Code 104	T	1	100	E10		condensor for mode in normal	0 - thermestat controlled		141			KE rolay configuration	like u1c
	d8	0	defrost interval count mode	0 = hours device on 1 = hours compressor on 2 = hours evaporator tem-		105	F10	1	condenser fan mode in normal operation	0 = thermostat controlled (with condenser tem- perature + F11)		141	u5c u2	0	K5 relay configuration enable cabinet light and auxiliary load 1 and 2 in stand-by	
				perature < d9 3 = adaptive						1 = thermostat controlled (with condenser tem-		143	u3	0	alarm output activation	0 = with alarm not active 1 = with alarm active
65	d9	0.0	evaporator temperature thresh-	4 = in real time						perature + F11) if com- pressor off, on if com-		144	u4	1	enable deactivation alarm output	<del> </del>
03	us	0.0	old for automatic defrost interval	· ·						pressor on 2 = thermostat controlled		145	u5	-1.0	with silencing buzzer door heaters on threshold	-99 99 °C/°F
66	d11	0	enable defrost timeout alarm	0 = no 1 = yes	-					(with condenser tem- perature + F11) if com-		146	u5d	2.0	door heaters on threshold differ- ential (u5)	1 25 °C/°F
67	d15	0	compressor-on consecutive time for hot gas defrost	if values are negative, drip-						pressor off, on if com- pressor on, off in de-		147	u6	5	duration demisting on	1 120 min 1 = manual switch on/off
68	d16	0	pre-drip duration for hot gas de-	ping heaters on time  - 0 99 min						frost, pre-drip and drip- ping		148	u7	-5.0	neutral zone for heating thresh- old (relative to setpoint)	-99 99 °C/°F differential = 2 °C/4 °F
69	d18	40	adaptive defrost interval	0 999 min		106	F11	15.0	condenser fans on threshold	0 99 °C/°F differential = 2 °C/4 °F		149	u9	1	enable alarm buzzer	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
				if compressor on + evapora- tor temperature < d22		107	F12	30	condenser fans off delay from	0 240 s		NO. 150	PAR. Ao1	DEF.	ANALOGUE OUTPUTS analogue output configuration	MIN MAX.  0 = PWM compressor (r1
70	d19	3.0	adaptive defrost threshold (rela-			108	F13	2	compressor off condenser fans on threshold dif-	if PP1 PP3 ≠ 3 1 25 °C/°F	<u></u>					1 = 0-10 V compressor 2 = 0-10 V condenser fa
			tive to optimal evaporator tem- perature)	ture - d19	_				ferential (F11)	if Ao1 = 2, condenser fans proportional band (relative to	-					3 = 0-10 V evaporator for 4 = disabled
71	d20	180	for defrost	0 = disabled	_	109	F14	10	100 % start-up time for 0-10 V	F11, i.e. F11 + F13) 0 240 s		NO.	PAR.	DEF.	CLOCK	5 = disabled MIN MAX.
72	d21	200	for defrost from power-on and			110	F15	100	condenser fans maximum percentage 0-10 V	0 100%	<u>O</u>	151 NO.	Hr0 PAR.	O DEF.	enable clock ENERGY SAVING (if r5 = 0)	0 = no 1 = yes MIN MAX.
			from overcooling	ature - setpoint) > 10°C/20 °F		111	F17	60	condenser fans in energy saving time evaporator fans off in low	0 240 s		152	HE2	0	maximum duration energy saving	0 999 min 0 = until door opened
73	d22	-2.0	evaporator temperature thresh-	0 = disabled 10 10 °C/°F		112	F18	10	humidity time evaporator fans on in low	0 240 s		NO.	PAR.	DEF.	ENERGY SAVING IN REAL TIME (if r5 = 0)	MIN MAX.
			old for adaptive defrost interval count (relative to optimal evapo-	1 '		113	F19	0	humidity reversible condenser fans on in-	0 240 h	<b>©</b>	153 154	H01 H02	0	energy saving time maximum duration energy saving	0 23 h 0 24 h
74	d25	0	rator temperature) enable outgoing air temperature	e 0 = no 1 = yes		114	F20	0	reversible condenser fans on	0 240 min		NO. 155	PAR.	DEF.	SWITCH ON/OFF IN REAL TIME time device switch-on	MIN MAX.
			probe for defrost in evaporator probe alarm			115	F30	0	time setting percentage 0-10 V evapo-	0 = touch SET key twice						h = disabled
75	d26	6	defrost interval in evaporator probe alarm	0 99 h 0 = manual only					rator fan speed in normal opera- tion	1 = with F33 2 = automatic with F1, F31,		156 157	HoF Hc1	h- h-	time device switch-off  1st time reversible condenser	0 h
NO.	PAR.	DEF.	TEMPERATURE ALARMS	if d25 = 1 MIN MAX.	i	116	F31	50	percentage 0-10 V evaporator	F32 and F36					fans on	h = disabled for F20
76	A0	0	select value for high/low temper- ature alarms	0 = cabinet or product tem- perature		117	F32	100	fans with minimum capacity percentage 0-10 V evaporator	if F31>F32, F32 is relevant 0 100%		158		h-	2nd time reversible condenser fans on	
				1 = evaporator temperature 2 = critical temperature		118	F33	100	fans with maximum capacity percentage 0-10 V evaporator	if F32 <f31, f31="" is="" relevant<="" td=""><td></td><td>NO. 159</td><td>PAR. Hd1</td><td>DEF.</td><td>REAL-TIME DEFROST  1st daily defrost time</td><td>0 h</td></f31,>		NO. 159	PAR. Hd1	DEF.	REAL-TIME DEFROST  1st daily defrost time	0 h
77 78	A1 A2	0.0	low temperature alarm threshold type of low temperature alarm	-99 99 °C/°F 0 = disabled		119		10	fans in normal operation start-up time F35 0-10 V		<b>♠</b> ©	160	Hd2	h-	2 <sup>nd</sup> daily defrost time	h = disabled like Hd1
,	AZ.		type of low temperature diarm	1 = relative to setpoint (i.e. setpoint + A1)		120		100	evaporator fans percentage 0-10 V evaporator			161 162	Hd3 Hd4	h- h-	3 <sup>rd</sup> daily defrost time 4 <sup>th</sup> daily defrost time	like Hd1 like Hd1
70	44		bish bassassabusa alausa bhasab	2 = absolute (A1)	-				fans from power-on			163 164	Hd5 Hd6	h- h-	5 <sup>th</sup> daily defrost time 6 <sup>th</sup> daily defrost time	like Hd1 like Hd1
79 80	A4 A5	0.0	high temperature alarm threshold	0 = disabled	-	121	F36	10	0-10 V evaporator fans proportional band (relative to setpoint)	1		NO. 165	PAR.	DEF.	SECURITY enable ON/STAND-BY key	MIN MAX. 0 = no 1 = yes
80	AS	0	type of high temperature alarm	1 = relative to setpoint (i.e.		122	F37	0	maximum percentage 0-10 V	0 100%		166	Loc	1	enable keypad lock	0 = no 1 = yes (after 30 s)
0.1		4.55		setpoint + A4) 2 = absolute (A4)	-	123	F38	0	evaporator fans in energy saving evaporator fans on delay from	0 240 s	<b>⊘</b>	167	Sen	80	keypad sensitivity	40 120
81	A6	120	from power-on		.	NO.	PAR.	DEF.	door closed DIGITAL INPUTS	MIN MAX.		168		-19	password to access settings from keypad	40= very sensitive -99 999
82	A7	15	high/low temperature alarm de- lay			124	i0	5	door switch input function	0 = disabled 1 = compressor + evapora-		169		426	level 1 password to access set- tings from EVconnect and EPoCA	-99 999
83	A8	15	high temperature alarm delay after defrost		_					tor fans off 2 = evaporator fans off		170			level 2 password to access set- tings from EVconnect and EPoCA	-99 999
84	A9	15	high temperature alarm delay from door closure		_					3 = cabinet light on 4 = compressor + evapora-		NO. 171	PAR. rE0	DEF. 15	DATA-LOGGING  EVlinking data logger sampling	MIN MAX. 0 240 min
85	A10	10	duration of power failure for sav- ing alarm	0 240 min 0 = disabled	_					tor fans off, cabinet light on		172	rE1	1	interval select temperature for EVlinking	0 = none 1 = cabin
86	A11	2.0	high/low temperature alarm threshold differential (A1 and A4)							5 = evaporator fans off, cab- inet light on					data logger	2 = evaporator 3 = condenser
87	A12	1	enable power failure alarm signal	0 = no 1 = yes (label PF, if EVlink-		125		0	door switch input activation	0 = with contact closed 1 = with contact open						4 = critical 5 = outgoing air
				ing RS-485EVIF23TSX, EVlinking BLEEVIF25TBX		126		30	door open alarm delay	-1 120 min -1 = disabled						6 = evaporator 2 7 = product
				or EVlinking Wi-Fi EVIF25TWX is connect-		127	i3	15	maximum compressor and evaporator fan off time with door	-1 120 min -1 = until closed						8 = cabinet + evaporat condenser
88	A13	80	high condensation signal thresh-	ed) - 0 199 °C/°F		128	i4	0	open enable door open alarm saving	0 = no 1 = yes		173	rEt	0	select temperature for data log-	5 = all 0 = cabinet or product
89	A14	old 90 high conde	old high condensation alarm thresh-	differential = 2 °C/4 °F 0 199 °C/°F		129		0	multi-purpose input function	if i2 ≠ -1 and after i2 0 = disabled					ger device in last 72 hours	during defrost, dripping, dripping
90	A15	1	old	0 15 min						1 = energy saving 2 = multi-purpose input						fan stop) 1 = cabinet or product (
91	A16	0	high condensation alarm delay  enable viewing of high/low tem-	- 0 = no 1 = yes						alarm 3 = high pressure alarm						during defrost, dripping, dripping
			perature alarms on remote dis-	1												fan stop)
NO.	PAR. F0	DEF.								4 = auxiliary load 1 on 5 = auxiliary load 2 on						
			I evaporator fan mode in normal	MIN MAX.												2 = critical (not during frost, pre-dripping, ping and fan stop)
			evaporator fan mode in normal operation	$\begin{bmatrix} 0 = \text{off} & 1 = \text{on} \\ 2 = \text{on if compressor on} \end{bmatrix}$						5 = auxiliary load 2 on 6 = switch device on/off						2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping,
				0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product						5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal						2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop)
				0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled		130	i6	0	multi-purpose input activation	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal						2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping
				0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1)		130		0	multi-purpose input activation multi-purpose input alarm delay	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed		NO.	PAR.	DEF.	MODBUS	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop) MIN MAX.
				0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if			i7			5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset		NO. 174 175	PAR. LA Lb	DEF. 247	MODBUS MODBUS address MODBUS baud rate	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop) MIN MAX. 1 247 0 = 2,400 baud
				0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6		131	i7	0	multi-purpose input alarm delay	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15	Id	174	LA	247	MODBUS address	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop) MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud
				0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator tem-		131	i7	0	multi-purpose input alarm delay  number of multi-purpose input activations for high pressure	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15	Id	174	LA Lb	247	MODBUS address	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd
				1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator tem- perature + F1) 7 = thermostat controlled		131	i7	0	multi-purpose input alarm delay  number of multi-purpose input activations for high pressure alarm  consecutive time if there are no	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled	Id	174 175 176	LA Lb	247	MODBUS address MODBUS baud rate	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop) MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud
93	F0b	1		1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on		131	i7 i8 i9	0	multi-purpose input alarm delay  number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if 15 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min	Id	174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate MODBUS parity	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop) MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even MIN MAX. 0 = for real time func
93	F0b F1	1 -4.0	evaporator fan mode in normal "b" mode operation	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on		131	i7 i8 i9	0 0 240	number of multi-purpose input activations for high pressure alarm consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm door closed consecutive time for	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min	Id	174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX. 0 = for real time func (with EVlinking RS EVIF23TSX convertee
			evaporator fan mode in normal "b" mode operation evaporator fans regulation	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on I like F0		131	i7 i8 i9 i10	0 0 240	number of multi-purpose input activations for high pressure alarm consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm door closed consecutive time for	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if 15 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min after cabinet or product temperature < SP 0 = disabled	Id	174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX. 0 = for real time func (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communic
94	F1	-4.0	evaporator fan mode in normal "b" mode operation evaporator fans regulation threshold evaporator fan mode in defrost	0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) 6 = thermostat controlled (with evaporator temperature + F1) if compressor on 6   like F0 6   -99 99 °C/°F 6   0 = off 1 = on 2 = function of F0		131 132 133	i7 i8 i9 i10 i13	0 0 240	multi-purpose input alarm delay  number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for de-	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact closed 1 = with contact open 0 120 min if 15 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min after cabinet or product temperature < SP 0 = disabled 0 240 0 = disabled	Id	174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX. 0 = for real time func (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communic (with EVlinking RS EVIF23TSX)
94 95	F1 F2	-4.0 0	evaporator fan mode in normal "b" mode operation  evaporator fans regulation threshold  evaporator fan mode in defrost and drip mode  evaporator fan mode in "b" mode	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 1 like F2		131 132 133 134	i7 i8 i9 i10 i113 i14 PAR.	0 240 0	multi-purpose input alarm delay  number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost  door open consecutive time for	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min 115 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min after cabinet or product temperature < SP 0 = disabled 0 240 0 = disabled 0 240 0 = disabled 0 240 min	Id	174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX. 0 = for real time func (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communic (with EVlinking RS EVIF23TSX EVIF24TSX converte
94 95 96	F1 F2 F2b	-4.0 0	evaporator fan mode in normal "b" mode operation  evaporator fans regulation threshold evaporator fan mode in defrost and drip mode evaporator fan mode in "b" mode defrost and drip maximum time evaporator fans off maximum time evaporator fans	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 2 like F2 5 0 15 min		131 132 133 134 135 136 NO.	i7 i8 i9 i10 i113 i14 PAR.	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min after cabinet or product temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX.	Id	174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX. 0 = for real time func (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communic (with EVlinking RS EVIF23TSX EVIF24TSX convertes) 1 99 = serial commution address
94 95 96 97	F1 F2 F2b	-4.0 0 0	evaporator fan mode in normal "b" mode operation  evaporator fans regulation threshold  evaporator fan mode in defrost and drip mode  evaporator fan mode in "b" mode defrost and drip  maximum time evaporator fans off in "b" mode  time evaporator fans off in ener-	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on I like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 2 like F2 5 0 15 min 5 0 15 min		131 132 133 134 135 136 NO.	i7 i8 i9 i10 i113 i14 PAR.	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min  1 999 min  2 999 min  3 999 min 4fter cabinet or product temperature < SP 0 = disabled 0 240 0 = disabled 0 240 0 = disabled MIN MAX. 0 = compressor 1 = compressor 2 = evaporator fans 3 = condenser fans	Id	174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop) MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even MIN MAX. 0 = for real time func (with EVlinking RS EVIF23TSX convert for MODBUS RTL RS-485 communic (with EVlinking RS EVIF23TSX converted to the stopped of the
94 95 96 97 98	F1 F2 F2b F3 F3b	-4.0 0 0 2	evaporator fan mode in normal "b" mode operation  evaporator fans regulation threshold evaporator fan mode in defrost and drip mode evaporator fan mode in "b" mode defrost and drip maximum time evaporator fans off maximum time evaporator fans off in "b" mode time evaporator fans off in so mode time evaporator fans off in so mode time evaporator fans off in energy saving	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 2 like F2 5 0 15 min 5 0 15 min 5 0 240 s x 10 if F0 ≠ 5 0 240 s x 10		131 132 133 134 135 136 NO.	i7 i8 i9 i10 i113 i14 PAR.	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min after cabinet or product temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = compressor 1 = compressor 2 = evaporator fans 3 = condenser fans 4 = defrost 5 = cabinet light		174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX.  0 = for real time fund (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communic (with EVlinking RS EVIF23TSX EVIF24TSX converte for MODBUS RTU RS-485 communic (with EVlinking RS EVIF23TSX EVIF24TSX converte for EVconnect app EVlinking BLE module for EPoCA monitoring tem or for MODBUS
94 95 96 97 98	F1 F2 F2b F3 F3b F4	-4.0 0 0 2 2	evaporator fan mode in normal "b" mode operation  evaporator fans regulation threshold evaporator fan mode in defrost and drip mode evaporator fan mode in "b" mode defrost and drip maximum time evaporator fans off maximum time evaporator fans off in "b" mode time evaporator fans off in energy saving	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 2 like F2 5 0 15 min 5 0 15 min 6 0 240 s x 10 if F0 ≠ 5 0 = for low humidity (with		131 132 133 134 135 136	i7 i8 i9 i10 i113 i14 PAR.	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if 15 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min  0 999 min  0 999 min after cabinet or product temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = compressor 1 = compressor 1 = compressor 2 = evaporator fans 3 = condenser fans 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters	Id	174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX. 0 = for real time fund (with EVlinking RS EVIF23TSX converter for MODBUS RTL RS-485 communic (with EVlinking RS EVIF23TSX EVIF24TSX converter) 1 99 = serial communic (with EVlinking BLE module for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking BLE module for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking BLE module for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking
94 95 95 96 97 98 99 1000	F1 F2 F2b F3 F3b F4 F5	-4.0 0 0 2 2 30	evaporator fan mode in normal "b" mode operation  evaporator fans regulation threshold evaporator fan mode in defrost and drip mode evaporator fan mode in "b" mode defrost and drip maximum time evaporator fans off in "b" mode time evaporator fans off in energy saving time evaporator fans on in energy saving	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 2 like F2 5 0 15 min 5 0 15 min 6 0 240 s x 10 if F0 ≠ 5 0 = for low humidity (with F17 and F18 if compressor off, on if co		131 132 133 134 135 136	i7 i8 i9 i10 i113 i14 PAR.	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min after cabinet or product temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = compressor 1 = compressor 2 = evaporator fans 3 = condenser fans 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters		174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping, fan stop) MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even MIN MAX. 0 = for real time func (with EVlinking RS EVIF23TSX convert for MODBUS RTL RS-485 communic (with EVlinking RS EVIF23TSX EVIF24TSX converts) 1 99 = serial communic for MODBUS RTL SCHOOL (with EVLINKING) RS EVIF23TSX EVIF24TSX converts 1 99 = serial communic for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking RS EVIF25TWX module), for EPoCA monitoring EVIF25TWX module),
94 95 95 96 97 98 99 1000	F1 F2 F2b F3 F3b F4 F5	-4.0 0 0 2 2 30	evaporator fan mode in normal "b" mode operation  evaporator fans regulation threshold evaporator fan mode in defrost and drip mode evaporator fan mode in "b" mode defrost and drip maximum time evaporator fans off in "b" mode time evaporator fans off in energy saving time evaporator fans on in energy saving	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 1 ike F2 2 0 15 min 3 0 15 min 5 0 15 min 5 0 240 s x 10 if F0 ≠ 5 0 = for low humidity (with F17 and F18 if compressor on) 1 = for high humidity (fans	×	131 132 133 134 135 136	i7 i8 i9 i10 i113 i14 PAR.	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if i5 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min after cabinet or product temperature < SP 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = compressor 1 = compressor 1 = compressor 2 2 = evaporator fans 3 = condenser fans 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters 10 = auxiliary load 1 11 = auxiliary load 2		174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX. 0 = for real time func (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communic (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communic (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communic (with EVlinking RS EVIF23TSX EVIF24TSX converte for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking BLE module); for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking EVIF25TWX module); for EPoCA monitoring tem or for MODBUS via Ethernet communic control of the contro
94 95 95 96 97 98 99 1000	F1 F2 F2b F3 F3b F4 F5	-4.0 0 0 2 2 30 30	evaporator fan mode in normal "b" mode operation evaporator fans regulation threshold evaporator fan mode in defrost and drip mode evaporator fan mode in "b" mode defrost and drip maximum time evaporator fans off maximum time evaporator fans off in "b" mode time evaporator fans off in energy saving time evaporator fans on in energy saving low or high humidity function evaporator fans on threshold	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 2 like F2 5 0 15 min 5 0 15 min 6 0 240 s x 10 if F0 ≠ 5 0 = for low humidity (with F17 and F18 if compressor on) 1 = for high humidity (fans on) 1 -99 99 °C/°F	×	131 132 133 134 135 136	i7 i8 i9 i10 i113 i14 PAR.	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if 15 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min after cabinet or product temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = compressor 1 = compressor 2 = evaporator fans 3 = condenser fans 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters 10 = auxiliary load 2 11 = auxiliary load 2 12 = alarm 13 = on/stand-by		174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX. 0 = for real time fund (with EVlinking RS EVIF23TSX converte for MODBUS RTL RS-485 communic (with EVlinking RS EVIF23TSX EVIF24TSX converted for EPoCA monitoring tem or for MODBUS rounded for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking RS EVIF25TWX module), for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking EVIF25TWX module), for EPoCA monitoring tem or for MODBUS via Ethernet communic (with EVlinking RS EVIF25TWX module), for EPoCA monitoring tem or for MODBUS via Ethernet communic (with EVlinking RS EVIF24TSX converter
994 995 996 997 998 999 1000	F1 F2 F2b F3 F3b F4 F5 F6	-4.0 0 0 2 2 30 30	evaporator fan mode in normal "b" mode operation evaporator fans regulation threshold evaporator fan mode in defrost and drip mode evaporator fan mode in "b" mode defrost and drip maximum time evaporator fans off in "b" mode time evaporator fans off in energy saving time evaporator fans on in energy saving low or high humidity function	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 2 like F2 5 0 15 min 5 0 15 min 6 0 240 s x 10 if F0 ≠ 5 0 = for low humidity (with F17 and F18 if compressor on) 1 = for high humidity (fans on) 1 -99 99 °C/°F	×	131 132 133 134 135 136	i7 i8 i9 i10 i113 i14 PAR.	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min 10 = disabled 1 999 min 1 99		174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX. 0 = for real time func (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communic (with EVlinking RS EVIF23TSX EVIF24TSX convertes for EVCONNECT app EVlinking BLE module; for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking EVIF25TWX module), for EPoCA monitoring tem or for MODBUS via Wi-Fi communic (with EVlinking EVIF25TWX module), significant for EPoCA monitoring tem or for MODBUS via Ethernet communic (with EVlinking RS EVIF24TSX converter EV3 Web or EVD Well gateway), please computer EV3 Well gateway), please computer EV3 Well gateway), please computer EV3 Well gateway)
994 995 996 997 998 999 1000	F1 F2 F2b F3 F3b F4 F5 F6	-4.0 0 0 2 2 30 30	evaporator fan mode in normal "b" mode operation  evaporator fans regulation threshold  evaporator fan mode in defrost and drip mode  evaporator fan mode in "b" mode defrost and drip  maximum time evaporator fans off in "b" mode  time evaporator fans off in energy saving  time evaporator fans on in energy saving  low or high humidity function  evaporator fans on threshold from dripping (relative to setpoint)	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 2 like F2 5 0 15 min 5 0 15 min 6 0 240 s x 10 if F0 ≠ 5 0 = for low humidity (with F17 and F18 if compressor off, on if compressor off) 1 = for high humidity (fans on) 1 = 99 99 °C/°F	×	131 132 133 134 135 136	i7 i8 i9 i10 i113 i14 PAR.	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min if 15 = 3 or 7, compressor on delay from alarm reset 0 15 0 = disabled 1 999 min  0 999 min after cabinet or product temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = compressor 1 = compressor 2 = evaporator fans 3 = condenser fans 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters 10 = auxiliary load 1 11 = auxiliary load 2 12 = alarm 13 = on/stand-by 14 = evaporator fans 17 = reversible condenser		174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none
94 95 96 97 98 99 100 101	F1 F2 F2b F3 F3b F4 F5 F6	-4.0 0 0 2 2 30 30 0	evaporator fan mode in normal "b" mode operation  evaporator fans regulation threshold evaporator fan mode in defrost and drip mode evaporator fan mode in "b" mode defrost and drip maximum time evaporator fans off maximum time evaporator fans off in "b" mode time evaporator fans off in energy saving time evaporator fans on in energy saving low or high humidity function  evaporator fans on threshold from dripping (relative to setpoint) evaporator fans regulation	1 0 = off 1 = on 2 = on if compressor on 3 = thermostat controlled (with cabinet or product temperature + F1) 4 = thermostat controlled (with cabinet or product temperature + F1) if compressor on 5 = function of F6 6 = thermostat controlled (with evaporator temperature + F1) 7 = thermostat controlled (with evaporator temperature + F1) if compressor on 1 like F0 1 -99 99 °C/°F 1 0 = off 1 = on 2 = function of F0 2 ike F2 3 0 15 min 5 0 15 min 6 0 240 s x 10 if F0 ≠ 5 0 = for low humidity (with F17 and F18 if compressor on) 1 = for high humidity (fans on) 1 -99 99 °C/°F setpoint + F7 1 1 15 °C/°F	×	131 132 133 134 135 136	i7 i8 i9 i10 i13 i14 PAR. u1c	0 0 240 0 180 32 DEF.	number of multi-purpose input activations for high pressure alarm  consecutive time if there are no multi-purpose input activations to reset counter due to high pressure alarm  door closed consecutive time for energy saving  number of door openings for defrost door open consecutive time for defrost  DIGITAL OUTPUTS	5 = auxiliary load 2 on 6 = switch device on/off 7 = low pressure alarm 8 = compressor thermal switch alarm 8 = compressor 2 thermal switch alarm 0 = with contact closed 1 = with contact open 0 120 min 0 = disabled 1 999 min after cabinet or product temperature < SP 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = compressor 1 = compressor 2 = evaporator fans 3 = condenser fans 4 = defrost 5 = cabinet light 6 = demisting 7 = door heaters 8 = heaters for neutral zone 9 = dripping heaters 10 = auxiliary load 1 11 = auxiliary load 2 12 = alarm 13 = on/stand-by 14 = evaporator fans 2 15 = defrost 2 16 = speed 2 evaporator fans		174 175 176 NO.	LA Lb	247 3 2 DEF.	MODBUS address MODBUS baud rate  MODBUS parity  MODBUS USE	2 = critical (not during frost, pre-dripping, ping and fan stop) 3 = critical (also during frost, pre-dripping, ping and fan stop) 4 = cabinet or product (during defrost, dripping, dripping fan stop)  MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud 0 = none 1 = odd 2 = even  MIN MAX.  0 = for real time funct (with EVlinking RS EVIF23TSX converte for MODBUS RTU RS-485 communica (with EVlinking RS EVIF23TSX EVIF24TSX converte  1 99 = serial communication address - for EVconnect app (EVlinking BLE module) for EPoCA monitoring tem or for MODBUS via Wi-Fi communication (with EVlinking NS EVIF25TWX module), s - for EPoCA monitoring tem or for MODBUS via Ethernet communition (with EVlinking RS EVIF25TWX module), s - for EPoCA monitoring tem or for MODBUS via Ethernet communition (with EVlinking RS EVIF24TSX converter EV3 Web or EVD Web gateway), please con



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

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EVCO S.p.A.
Via Feltre 81, 32036 Sedico (BL) ITALY
tel. +39 0437 8422 | fax +39 0437 83648
email info@evco.it | web www.evco.it