# Controllers for refrigerated cabinets, counters and islands, with energy-saving strategies and compatible with the EV connect APP





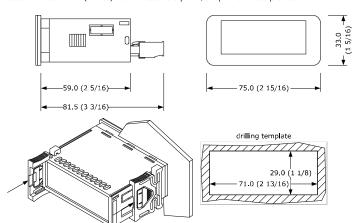


- Controllers for low temperature units
- Power supply 115... 230 VAC or 12-24 VAC/DC (according to the model).
- Incorporated clock (according to the model).
- Cabinet probe and evaporator probe (PTC/NTC)
- Door switch input.
- Compressor relay 16 A res. @ 250 VAC.
- Alarm buzzer.
- Incorporated Bluetooth Low Energy sensor (according to the model).
- TTL MODBUS slave port for EVconnect app, EPoCA remote monitoring system or for BMS (according to the model).

#### Cooling or heating operation.

# MEASUREMENTS AND INSTALLATION

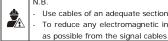
Measurements in mm (inches). To be fitted to a panel, snap-in brackets provided.



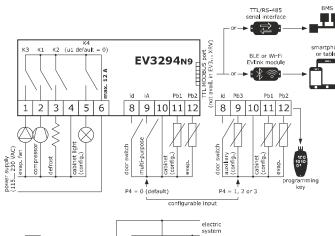
#### INSTALLATION PRECAUTIONS

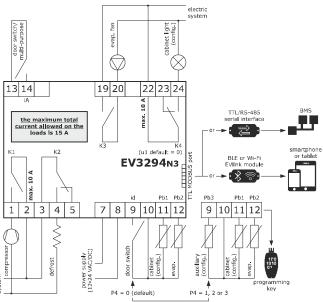
- The thickness of the panel must be between 0.8 and 2.0 mm (1/32 and 1/16 in) Ensure that the working conditions are within the limits stated in the  $\it TECHNICAL$ SPECIFICATIONS section.
- Do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations
- 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.

#### 2 ELECTRICAL CONNECTION



Use cables of an adequate section for the current running through them. To reduce any electromagnetic interference connect the power cables as far away





# PRECAUTIONS FOR ELECTRICAL CONNECTION

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

#### Install following the instructions given in the section MEASUREMENTS AND INSTALLA-TION.

- Power up the device as shown in the section ELECTRICAL CONNECTION and an internal
- 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 probe type 0 = PTC 1 = NTCP2 temperature unit of measurement 0 = °C
  - Then check that the remaining settings are appropriate; see the section CONFIGURA TION PARAMETERS.

0 = electric 1 = hot gas

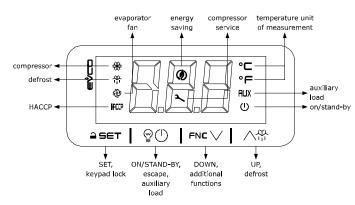
2 = compressor stopped

Disconnect the device from the mains.

defrost type

- Make the electrical connection as shown in the section ELECTRICAL CONNECTION without powering up the device.
- For the connection in an RS-485 network connect the interface EVIF22TSX or  ${\it EVIF23TSX, to activate real time functions connect the module EVIF23TSX, to use the} \\$ device with the APP EV connect connect the interface EVIF25TBX (or use EV3... XRV). To use the device with the EPoCA remote monitoring system, connect the EVIF25TWX module; see the relevant instruction sheets. If EVIF22TSX or EVIF23TSX is used, set parameter bLE to 0.

#### USER INTERFACE AND MAIN FUNCTIONS



#### Switching the device on/off

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

If the device is switched on, the display will show the P5 value ("cabinet temperature" default);

ii tiie uis	slows an alarm code, see the section ALANNO.			
LED	ON	OFF	FLASHING	
*	compressor on	compressor off	- compressor protection active - setpoint setting active	
*	defrost or pre-dripping active	-	- defrost delay active - dripping active	
<b>@</b>	evaporator fan on	evaporator fan off	evaporator fan stop active	
НАССР	saved HACCP alarm in EVlink	-	-	
<b>Ø</b>	energy saving active	-	-	
~	request for compressor service	-	settings active     access to additional functions     active     operation with EVconnect APP     active	
°C/°F	view temperature	-	overcooling or overheating active	
AUX	auxiliary load on	auxiliary load off	auxiliary load on by digital input     auxiliary load delay active	
(1)	device off	device on	device on/off active	

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

# 4.2 Unlock keypad

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

# Set the setpoint

Check that the keypad is not locked

1.	≙ SET	Touch the SET key.
2.	₹ FNL-V	Touch the UP or DOWN key within 15 s to set the value within the limits r1 and r2 (default "-50 50")
3.	≙SET	Touch the SET key (or do not operate for 15 s).

# Activate manual defrost (if r5 = 0, default)

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

Touch the UP key for 2 s.

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

# Cabinet light on/off (if u1 = 0, default)

Touch the ON/STAND-BY key.

if u1 = 1, the **demisting** switch on for the u6 duration.

if u1 = 2 and the keypad is not locked, the button-operated load switches on/off

# Silence buzzer

If u1 = 3 and u4 = 1, the alarm output switches off.

#### 5 ADDITIONAL FUNCTIONS Activate/deactivate overcooling, overheating and manual energy saving FNC V Touch the DOWN key.

FUNCTION	CONDITION	CONSEQUENCE
overcooling	r5 = 0, $r8 = 1$ and defrost	the setpoint becomes "setpoint -
	not active	r6", for the r7 duration
overheating	r5 and r8 = 1	the setpoint becomes "setpoint +
		r6", for the r7 duration
energy saving	r5 = 0 and r8 = 2	the setpoint becomes "setpoint +

r4", at maximum for HE2 duration

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

Check that the keypad is no				t locked.			
	1.	FN	c ∨	Touch the DOWN key for 4 s.			
	2.	√FN		Touch the UP or DOWN key within 15 s to select a label.			
Н		LAB.	DESCRIPTION	ON			
		СН	view compr	essor functioning hours (hundreds) pressor functioning hours start-up number (thousands)			
		rCH	delete comp				
		nS1	compressor				
	3.	<u> </u>	<b>5€</b> Τ	Touch the SET key.			
	4. (FILE VALUE )			Touch the UP or DOWN key to set "149" (when label "rCH" is selected)			

5.	aset	Touch the SET key.
6.		Touch the ON/STAND-BY key (or do not operate for 60 s) to exit the procedure.

#### View the temperature detected by the probes

Check that the keypad is not locked.

1.	FN	c ∨	Touch the DOWN key for 4 s.			
2.	FNL ♦		Touch the UP or DOWN key within 15 s to select a label.			
	LAB.	DESCRIPTION	ON			
	Pb1	cabinet temperature (if P4 = 0, 1 or 2)				
	PDI	inlet air tem	nperature (if P4 = 3)			
	Pb2	evaporator	temperature (if P3 = 1 or 2) mperature (if P4 = 1, 2 or 3)			
	Pb3	auxiliary tei				
	Pb4	calculated p	product temperature (CPT; if P4 = 3)			
3.	≙SET		Touch the SET key.			
4.	@		Touch the ON/STAND-BY key (or do not operate for 60 s) to exit the procedure.			

		The procedure.
6	SETTINGS	
6.1	Setting configurat	ion parameters
1.	≙ SET	Touch the SET key for 4 s: the display will show the label "PA".
2.	aset	Touch the SET key.
3.	√ FNL V	Touch the UP or DOWN key within 15 s to set the PAS value (default "-19").
4.	aset	Touch the SET key (or do not operate for 15 s): the display will show the label "SP".
5.	₹ FNE ◆	Touch the UP or DOWN key to select a parameter.
6.	aset	Touch the SET key.
7.	√ FNL V	Touch the UP or DOWN key within 15 s to set the value.
8.	aset	Touch the SET key (or do not operate for 15 s).
9.	aset	Touch the SET key for 4 s (or do not operate for 60 s) to exit the procedure.

#### Set the date, time and day of the week (available in EV3... XRV or if EVIF23TSX, EVIF25TWX or interface EVIF25TBX is connected)

Ö<sub>0</sub>

Do not disconnect the device from the mains within two minutes since the setting of the time and day of the week.

if the device communicates with the EVconnect app, the date, time and day of the week will be automatically set by the smartphone or tablet.

Check that the keypad is not locked.

	OHICCK L	i lat tric	keypad is not locked.					
•	1.	FN	c ∨	Touch the DOWN key for 4 s.				
-	2.	√ FN		Touch the UP or DOWN key within 15 s to select the label "rtc".				
	3.	ا ۱	-c- I	Touch the SET key: the display will show the label "yy" followe				
	3.	_ ≙ SET		by the last two figures of the year.				
	4.	€	<u></u>	Touch the UP or DOWN key within 15 s to set the year.				
	5.	Repeat	at actions 3. and 4. to set the next labels.					
		LAB.	DESCRIPTION	ON OF THE NUMBERS FOLLOWING THE LABEL				
-		n month (01 12)						
		d	day (01 31)					
		h	time (00 2	23)				

Touch the SET key: the display will show the label for the day of ≙ SET the week Touch the UP or DOWN key within 15 s to set the day of the △₩ وا LAB. DESCRIPTION Monday Mon

UEd Wednesda Thursday Fri Friday Sat Saturday Sun Sunday ≙SET Touch the SET key: the device will exit the procedure

@(I) Touch the ON/STAND-BY key to exit the procedure beforehand.

MIN... MAX.

r1... 199 °C/°F

0... 99 °C/°F

0 = cooling

1 = heating

0... 99 °C/°F

# N. PAR. DEF. SETPOINT

15 r2 **50.0** maximum setpoint

r5

18 r6

16 r4 0.0 setpoint offset in energy saving

ing/overheating

cooling or heating operation

setpoint offset in overcool-

**30** overcooling/overheating duration 0... 240 min

minute (00... 59)

Tuesday

1.1-		17414.	DLI.	JE II OIN	101114 1017 (7)
<b>1</b> =	1	SP	0.0	setpoint	r1 r2
	N.	PAR.	DEF.	ANALOGUE INPUTS	MIN MAX.
	2	CA1	0.0	cabinet probe offset	-25 25 °C/°F if P4 = 3, air in probe offset
	3	CA2	0.0	evaporator probe offset	-25 25 °C/°F
	4	CA3	0.0	auxiliary probe offset	-25 25 °C/°F
	5	PO	1	probe type	0 = PTC 1 = NTC
	6	P1	1	enable °C decimal point	0 = no 1 = yes
	7	P2	0	temperature unit of measure- ment	0 = °C 1 = °F
	8	P3	1	evaporator probe function	0 = disabled 1 = defrost + fan 2 = fan
O,	9	P4	0	configurable input function	0 = digital input 1 = condenser probe 2 = critical temperature probe 3 = air out probe if P4 = 3, regulation temperature = product temperature (CPT)
	10	P5	0	value displayed	0 = regulation temperature 1 = setpoint 2 = evaporator temperature 3 = auxiliary temperature 4 = air in temperature
	11	P7	5	air in weight for calculated prod- uct temperature (CPT)	0 10 % x 10 CPT = { [(P7 x (air in)] + [(100 - P7) x (air out)] : 100}
	12	P8	5	display refresh time	0 250 s : 10
	N.	PAR.	DEF.	REGULATION	MIN MAX.
	13	r0	2.0	setpoint differential	1 15 °C/°F
	14	r1	-50	minimum setpoint	-99 °C/°F r2

EVCO S	n A I	FV3294	. I Instru	ction sheet ver. 1.0   Code 1043294E10	03   Page 2 of 2   PT 44/16					
EVCO 3.	20	r8	0	DOWN key additional function	0 = disabled 1 = overcooling/overheating		N. 74	PAR.	DEF.	DIG
	21	r12	0	position of the r0 differential	2 = energy saving 0 = asymmetric					
	N.	PAR.	DEF.	COMPRESSOR	1 = symmetric MIN MAX.					
	22	CO	0	compressor on delay after pow- er-on	0 240 min					
	23 24	C2 C3	3	compressor off minimum time compressor on minimum time	0 240 min 0 240 s					
	25	C4	10	compressor off time during cabi- net probe alarm	0 240 min		75	i1	0	door
	26	C5	10	compressor on time during cabi- net probe alarm	0 240 min		76	i2	30	oper
<b>@</b>	27	C6	80.0	threshold for high condensation warning	0 199 °C/°F differential = 2 °C/4 °F		77	i3	15	regu
U	28	C7	90.0	threshold for high condensation alarm	0 199 °C/°F		78	i5	2	time door
	29 30	C8	1 0	high condensation alarm delay compressor hours for service	0 15 min 0 999 h x 100					func avai
	31	C11	0		0 = disabled 0 240 s					
				second compressor switch-on de- lay (not available in EV3 N3)						
	32	C13	0	number of start-ups for compressor rotation (not available in	0 10 0 = disabled					
	N.	PAR.	DEF.	EV3 N3) DEFROST (if r5 = 0)	MIN MAX.					
	33	d0	8	automatic defrost interval	0 99 h 0 = only manual		79	i6	0	door
	34	d1	0	defrost type	if d8 = 3, maximum interval 0 = electric		80	i7	0	mult
					1 = hot gas 2 = compressor stopped					
	35 36	d2 d3	8.0 30	threshold for defrost end defrost duration	-99 99 °C/°F 0 99 min		81	i10	0	door
	37	d4	0	enable defrost at power-on	se P3 = 1, maximum duration 0 = no 1 = yes					Cito
	38 39	d5 d6	2	defrost dealy after power-on value displayed during defrost	0 99 min 0 = regulation temperature		82	i13	180	num
					1 = display locked 2 = dEF label		83	i14	32	door
	40 41	d7 d8	0	dripping time defrost interval counting mode	0 15 min 0 = device on hours		N. 84	PAR. u1	DEF.	DIGI
					1 = compressor on hours 2 = hours evaporator tem-					(opti
					perature < d9 3 = adaptive					
٨	42	d9	0.0	evaporation threshold for auto-	4 = real time -99 99 °C/°F					
•	43	d11	0	matic defrost interval counting enable defrost timeout alarm	0 = no 1 = yes	20				
	44	d15	0	compressor on consecutive time for hot gas defrost	0 99 min	~	85	u2	0	enat oper
	45	d16	0	pre-dripping time for hot gas de- frost	0 99 min		86	u4	0	enak
	46	d18	40	adaptive defrost interval	0 999 min if compressor on + evapora-		87	u5	-1.0	thre
					tor temperature < d22 0 = only manual		88 89	u6 u7	5 -5.0	dem neut
	47	d19	3.0	threshold for adaptive defrost (relative to optimal evaporation	0 40 °C/°F optimal evaporation tempera-					ing (
	48	d20	180	temperature) compressor on consecutive time	ture - d19 0 999 min	20.	N. 90	PAR. HE2	DEF.	ENE
	49	d21	200	for defrost compressor on consecutive time	0 = disabled 0 500 min		N.	PAR.	DEF.	REAL
				for defrost after power-on and overcooling	if (regulation temperature - setpoint) > 10°C/20 °F		91	H01	0	r5 =
	50	d22	-2.0	evaporation threshold for adap-	0 = disabled -10 10 °C/°F		92	H02	0	Mon
				tive defrost interval counting (relative to optimal evaporation	optimal evaporation tempera- ture + d22		93 94	H03	0	Tues
	N.	PAR.	DEF.	temperature) ALARMS	MIN MAX.		95	H05	0	dura
	51	AA	0	select value for high/low temper- ature alarms	0 = regulation temperature 1 = evaporator temperature		96	H06	0	Wed
	52	A1	-10.0	threshold for low temperature	2 = auxiliary temperature -99 99 °C/°F	• <u>O</u>	97 98	H07 H08	0	Thur
	53	A2	2	low temperature alarm type	0 = disabled		99	H09	0	mun
					1 = relative to setpoint 2 = absolute		100	H10	0	Frida
	54	A4	10.0	threshold for high temperature alarm	-99 99 °C/°F		101 102	H11	0	Satu
	55	<b>A</b> 5	2	high temperature alarm type	0 = disabled 1 = relative to setpoint		102	H12	0	Satu mun Sund
•7	56	A6	12	high temperature alarm delay af-	2 = absolute 0 99 min x 10		104	H14	0	Sund
	57	A7	15	ter power-on high/low temperature alarms de-	0 240 min		N. 105	PAR. Hd1	DEF.	REAL 1st o
	58	A8	15	high temperature alarm delay af-	0 240 min	<b>♠</b> ©	106 107	Hd2 Hd3	h- h-	2nd 3rd
	59	A9	15	high temperature alarm delay af-	0 240 min	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	108	Hd4	h-	4th
	60	A10	10	ter door closing power failure duration for alarm	0 240 min		109 110	Hd5 Hd6	h- h-	5th
	61	A11	2.0	recording high/low temperature alarms re-	1 15 °C/°F	<b>☆</b>	N. 111	PAR.	DEF.	enab
	N.	PAR.	DEF.	set differential FANS	MIN MAX.	$\bigcirc$	112	PAS PA1	-19 426	leve
	62	FO	1	evaporator fan mode during normal operation	0 = off 1 = on 2 = according to F15 and	<u>(L)</u>	114 N.	PA2 PAR.	B24 DEF.	REA
					F16 if compressor off, on if compressor on	$\overline{}$	115 N.	Hr0 PAR.	O DEF.	DAT
					3 = thermoregulated (with F1) 4 = thermoregulated (with	_	116 117	bLE rE0	1 15	enat data
	(2)	F1	40	Ab	F1) if compressor on	100	118	rE1	1	reco
	63	F1	-4.0	threshold for evaporator fan op- eration	-99 99 °C/°F differential = 1 °C/2 °F					
	64	F2	0	evaporator fan mode during de- frost and dripping	0 = off 1 = on 2 = according to F0		N.	PAR.	DEF.	MOD
	65	F3	2	evaporator fan off maximum time	0 15 min		119 120	LA Lb	247	MOD
(i)	66	F4	0	evaporator fan off time during energy saving	0 240 s x 10	ld				
	67	F5	10	evaporator fan on time during energy saving	0 240 s x 10					
	68	F7	5.0	threshold for evaporator fan on after dripping (relative to	-99 99 °C/°F setpoint + F7	8	ALAF	RMS		
	69	F9	0	setpoint)  evaporator fan off delay after	0 240 s	COD.	_	CRIPTIO		
	70	F11	15.0	compressor off threshold for condenser fan on	if F0 = 2  0 99 °C/°F  differential = 2 °C/4 °F	Pr1 Pr2	eva	net pro	probe a	larm
	71	F12	30	condenser fan off delay after	differential = 2 °C/4 °F  0 240 s  if PA + 1	Pr3	cloc	iliary pr k alarm		
	72	F15	0	compressor off  evaporator fan off time with	if P4 ≠ 1  0 240 s	AL	1	temper tempe		
	73	F16	1	compressor off  evaporator fan on time with	if F0 = 2 0 240 s	id PF	<del>                                     </del>	n door a er failui		1
		I	<u> </u>	compressor off	if F0 = 2					

		1		l	
	N. 74	PAR.	DEF.	door switch input function	MIN MAX.  O = disabled
					1 = compressor + evapora- tor fan off
					2 = evaporator fan off
					3 = cabinet light on 4 = compressor + evapora-
					tor fan off, cabinet light on
					5 = evaporator fan off +
	75	i1	0	door switch input activation	cabinet light on  0 = with contact closed
	76	i2	30	anon door alarm dolay	1 = with contact open -1 120 min
		12	30	open door alarm delay	-1 = disabled
	77	i3	15	regulation inhibition maximum time with door open	-1 120 min -1 = until the closing
	78	i5	2	door switch/multi-purpose input	0 = disabled
				function (options 7 and 8 not available in EV3 N9)	1 = energy saving 2 = iA alarm
<b>3</b>	ı				<ul><li>3 = button-operated load on</li><li>4 = device on/off</li></ul>
					5 = Cth alarm 6 = th alarm
					7 = compressor + evapora-
					tor fan off, cabinet light on
					8 = evaporator fan off + cabinet light on
	79	i6	0	door switch/multi-purpose input	0 = with contact closed
	80	i7	0	activation multi-purpose input alarm delay	1 = with contact open -1 120 min
					-1 = disabled if i5 = 5 or 6, compressor on
					delay after alarm reset
	81	i10	0	door closed consecutive time for energy saving	0 999 min after regulation temperature
					< SP 0 = disabled
	82	i13	180	number of door openings for de-	0 240
	83	i14	32	frost door open consecutive time for	0 = disabled 0 240 min
	N.	PAR.	DEF.	defrost DIGITAL OUTPUTS	0 = disabled MIN MAX.
	84	u1	0	auxiliary output configuration	0 = cabinet light
				(option 8 not available in EV3 N3)	<ul><li>1 = demisting</li><li>2 = button-operated load</li></ul>
					3 = alarm 4 = door heaters
					<ul><li>5 = heater for neutral zone</li><li>6 = condenser fan</li></ul>
					7 = on/stand-by
X	85	u2	0	enable cabinet light and button-	8 = second compressor 0 = no 1 = yes
	86	u4	0	operated load in stand-by enable alarm output off silencing	manual 0 = no 1 = yes
				the buzzer	
	87	u5	-1.0	threshold for door heaters on	-99 99 °C/°F differential = 2 °C/4 °F
	88	u6 u7	-5.0	demisting on duration neutral zone threshold for heat-	1 120 min -99 99 °C/°F
				ing (relative to setpoint)	differential = 2 °C/4 °F
	N.	PAR.	DEF.	ENERGY SAVING (if r5 = 0)	setpoint + u7 MIN MAX.
4	90	HE2	0	energy saving maximum duration	0 999 min -1 = until the door opening
	N.	PAR.	DEF.	REAL TIME ENERGY SAVING (if r5 = 0)	MIN MAX.
	91	H01	0	Monday energy saving time	0 23 h
	92	H02	0	Monday energy saving maximum duration	0 24 h
	_		0	Tuesday energy saving time Tuesday energy saving maximum	0 23 h 0 24 h
	93 94	H03	0	duration	0 23 h
	94	H04			
			0 0	Wednesday energy saving time Wednesday energy saving maxi-	0 24 h
, C	94 95	H04 H05	0		
C	94 95 96	H04 H05 H06	0	Wednesday energy saving maxi- mum duration  Thursday energy saving time  Thursday energy saving maxi-	0 24 h
e	94 95 96 97 98	H04 H05 H06 H07 H08	0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time	0 24 h 0 23 h 0 24 h 0 24 h
e	94 95 96 97 98	H04 H05 H06 H07 H08	0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration	0 24 h 0 23 h 0 24 h
, C	94 95 96 97 98 99 100	H04 H05 H06 H07 H08 H09 H10	0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving maximum duration Saturday energy saving time	0 24 h 0 23 h 0 24 h 0 24 h 0 24 h 0 24 h
,C	94 95 96 97 98 99 100 101 102	H04 H05 H06 H07 H08 H09 H10 H11	0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration	0 24 h  0 23 h  0 24 h  0 24 h  0 24 h  0 24 h
C	94 95 96 97 98 99 100	H04 H05 H06 H07 H08 H09 H10	0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum	0 24 h 0 23 h 0 24 h 0 24 h 0 24 h 0 24 h
**	94 95 96 97 98 99 100 101 102 103	H04 H05 H06 H07 H08 H09 H10 H11 H12	0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration Sunday energy saving time	0 24 h  0 23 h  0 24 h  0 23 h  0 24 h  0 24 h  0 23 h  0 24 h
	94 95 96 97 98 99 100 101 102 103 104 N. 105	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1	0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration Sunday energy saving time Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time	0 24 h  0 23 h  0 24 h  MIN MAX. h- = disabled
•••	94 95 96 97 98 99 100 101 102 103 104 N.	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR.	0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration Sunday energy saving time Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4)	0 24 h  0 23 h  0 24 h  0 24 h  0 24 h  0 24 h  0 23 h  0 24 h  MIN MAX.
•••	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving time Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 3rd daily defrost time 4th daily defrost time	0 24 h  0 23 h  0 24 h  0 24 h  0 24 h  0 24 h  0 23 h  0 24 h  0 24 h  MIN MAX. h-= disabled h-= disabled h-= disabled h-= disabled h-= disabled
•••	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6	0 0 0 0 0 0 0 0 0 0 0 0 DEF. h- h- h- h- h-	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving time Saturday energy saving time Sunday energy saving time Sunday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 4th daily defrost time 5th daily defrost time 6th daily defrost time	0 24 h  0 23 h  0 24 h  0 24 h  0 24 h  0 24 h  0 23 h  0 24 h  0 24 h  MIN MAX. h-= disabled
•••	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4 Hd5	0 0 0 0 0 0 0 0 0 0 DEF. h- h- h- h- h- h-	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration Sunday energy saving time Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time	0 24 h  0 23 h  0 24 h  0 24 h  0 24 h  0 24 h  0 23 h  0 24 h  0 24 h  MIN MAX. h-= disabled
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110 N. 111 111 112	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 6th daily defrost time SAFETIES enable ON/STAND-BY key password	0 24 h  0 23 h  0 24 h  0 24 h  0 24 h  0 24 h  0 23 h  0 24 h  0 24 h  MIN MAX. h-= disabled h-= disabled h-= disabled h-= disabled h-= disabled MIN MAX. 0 = no 1 = yes -99 999
• • • • • • • • • • • • • • • • • • • •	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110 N. 1111 1111 1113 1114	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. POF PAS PA1 PA2	0 0 0 0 0 0 0 0 0 0 0 DEF. h- h- h- h- h- h- h- h- h- h- h- h- h-	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving time Sunday en	0 24 h  0 23 h  0 24 h  MIN MAX. h-= disabled h-= 1 disabled h-= 1 disabled h-= 1 disabled h-= 2 disabled h-= 2 disabled h-= 3 disabled h-= 3 disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 100 N. 111 111 112 113	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. POF PAS PA1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving time Sunday energy saving time Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 5th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password	0 24 h  0 23 h  0 24 h  0 23 h  0 24 h  0 24 h  0 23 h  0 24 h  0 24 h  0 24 h  MIN MAX. h-= disabled h-= disabled h-= disabled h-= disabled h-= disabled h-= disabled MIN MAX. 0 = n0 1 = yes -99 999
• • • • • • • • • • • • • • • • • • •	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110 N. 111 112 113 114 N. 115 N.	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving maximum duration Sunday energy saving time Sunday energy saving time Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 5th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password level 2 password REAL TIME CLOCK enable clock DATA-LOGGING EVLINK	0 24 h  0 23 h  0 24 h  0 23 h  0 24 h  0 24 h  0 23 h  0 24 h  0 24 h  0 24 h  0 24 h  MIN MAX. h-= disabled MIN MAX. 0 = no    1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no    1 = yes MIN MAX.
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110 N. 111 112 113 114 N. 115 N. 116 117	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 3rd daily defrost time 5th daily defrost time 5th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password level 2 password REAL TIME CLOCK enable clock DATA-LOGGING EVLINK enable Bluetooth data-logger sampling interval	0 24 h  0 23 h  0 24 h  MIN MAX. h-= disabled min MAX. 0 = no
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110 N. 111 112 113 114 N. 115 N. 116 117 117 118 119 119 119 119 119 119 119	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving time Friday energy saving time Saturday energy saving time Saturday energy saving maximum duration Savinday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 6th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password level 2 password REAL TIME CLOCK enable clock DATA-LOGGING EVLINK enable Bluetooth	0 24 h  0 23 h  0 24 h  0 23 h  0 24 h  0 24 h  0 23 h  0 24 h  0 24 h  0 24 h  0 24 h  MIN MAX. h-= disabled MIN MAX. 0 = no 1 = yes -99 999 -99 999 -99 999 MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes MIN MAX. 0 = no 1 = yes
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110 N. 111 112 113 114 N. 115 N. 116 117	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 3rd daily defrost time 5th daily defrost time 5th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password level 2 password REAL TIME CLOCK enable clock DATA-LOGGING EVLINK enable Bluetooth data-logger sampling interval	0 24 h  0 23 h  0 24 h  MIN MAX. h-= disabled h-= gisabled h-= disabled MIN MAX.  0 = no
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 N. 111 112 113 N. 115 N. 116 117 118	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR. bLE rE0 rE1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving time Friday energy saving time Saturday energy saving time Saturday energy saving maximum duration Sauday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time 5th daily defrost time 6th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password level 2 password REAL TIME CLOCK enable clock DATA-LOGGING EVLINK enable Bluetooth data-logger sampling interval recorded temperature	0 24 h  0 23 h  0 24 h  0 23 h  0 24 h  0 24 h  0 23 h  0 24 h  MIN MAX. h-= disabled MIN MAX. 0 = no
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110 N. 111 111 112 113 114 N. 115 N. 116 117 118 N. 118 N. 119 119 119 119 119 119 119 11	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR.	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password level 2 password REAL TIME CLOCK enable clock DATA-LOGGING EVLINK enable Bluetooth data-logger sampling interval recorded temperature  MODBUS MODBUS MODBUS	0 24 h  0 23 h  0 24 h  MIN MAX. h-= disabled MIN MAX.  0 = no
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 111 112 113 114 N. 115 N. 116 117 118	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR. bLE rE0 rE1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 5th daily defrost time 6th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password level 2 password REAL TIME CLOCK enable clock DATA-LOGGING EVLINK enable Bluetooth data-logger sampling interval recorded temperature	0 24 h  0 23 h  0 24 h  MIN MAX. h- = disabled MIN MAX. 0 = no
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110 N. 111 111 112 113 114 N. 115 N. 116 117 118 N. 118 N. 119 119 119 119 119 119 119 11	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR. bLE rE0 rE1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password level 2 password REAL TIME CLOCK enable clock DATA-LOGGING EVLINK enable Bluetooth data-logger sampling interval recorded temperature  MODBUS MODBUS MODBUS	0 24 h  0 23 h  0 24 h  0 23 h  0 24 h  MIN MAX. h-= disabled MIN MAX. 0 = no
	94 95 96 97 98 99 100 101 102 103 104 N. 105 106 107 108 109 110 N. 111 111 112 113 114 N. 115 N. 116 117 118 N. 118 N. 119 119 119 119 119 119 119 11	H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 PAR. Hd1 Hd2 Hd3 Hd6 PAR. POF PAS PA1 PA2 PAR. Hr0 PAR. bLE rE0 rE1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wednesday energy saving maximum duration Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Friday energy saving time Friday energy saving maximum duration Saturday energy saving time Saturday energy saving maximum duration Sunday energy saving maximum duration REAL TIME DEFROST (if d8 = 4) 1st daily defrost time 2nd daily defrost time 3rd daily defrost time 4th daily defrost time 5th daily defrost time SAFETIES enable ON/STAND-BY key password level 1 password level 2 password REAL TIME CLOCK enable clock DATA-LOGGING EVLINK enable Bluetooth data-logger sampling interval recorded temperature  MODBUS MODBUS MODBUS	0 24 h  0 23 h  0 24 h  0 23 h  0 24 h  0 24 h  0 23 h  0 24 h  0 23 h  0 24 h  0 24 h  MIN MAX. h-= disabled MIN MAX.  0 = no

RESET

automatic

automatic

automatic

automatic

automatic

automatic

manual

manual

REMEDIES

check PO

check probe integrity

check AA, A1 and A2

check AA, A4 and A5

check i0 e i1

touch a key

check electrical connection

check electrical connection

set date, time and day of the week

Cth		essor thermal s	switch automatic		ic	check i5 and i6		
th	global t	thermal switch a	ılarm	manual		- switch the device off and on - check i5 and i6		
dFd	defrost	timeout alarm		manual				
9 TECHNICAL SPECIFICATIONS						- touch a key - check d2, d3 and d11		
			ATIO	NS	l =			
		control device f the control dev	vico.		_	on contro	nic device	
Contai		the control dev	ice				nguishing	
Catego	ory of he	at and fire resist	tance		D			
	rements							
		59.0 mm (2 15. h fixed screw to					81.5 mm (2 15/16 x 1 5/16 x th removable screw terminal	
		73.0 mm (2 15.			l		33.0 x 83.0 mm (2 15/16 x 1	
	in) in EV				5/16 x	3 1/4 in	) in EV3 N3	
		nods for the cont			vided		a panel, snap-in brackets pro-	
Degree ing	e of pro	tection provided	by th	ie cover-	IP65 (	front)		
Conne	ction me	thod						
		erminal blocks					Micro-MaTch connector	
for wir	es up to	2,5 mm <sup>2</sup>	block	s for many significant in the second in the	wires	up to		
Maxim	um pern	nitted length for						
		10 m (32.8 ft)				gue input	s: 10 m (32.8 ft)	
		10 m (32.8 ft)					10 m (32.8 ft)	
Operat	ting tem	perature			ı		C (from 32 to 131 °F); from 0	
Storag	je tempe	rature					32 a 122 °F) in EV3 N3 °C (from -13 to 158 °F)	
	ting hum				i –		dity without condensate from	
					10 to	90%		
		s of the control of	device		2			
Confor	mity 2011/65	/CF	WEE	E 2012/19	/FII		REACH (EC) Regulation	
110113	2011/03	702	***	2012/17	,,,		1907/2006	
EMC 2	014/30/	UE			LVD 2	014/35/L	JE	
	supply	2 ( . 100/ . 150/)	F0///	0.11= ( . 2	12.24	V/A C /DC	(.100/ 150/) FO//O H= (.2	
		C (+10% -15%) VA insulated in E			12-24 VAC/DC (+10% -15%), 50/60 Hz (±3 Hz), max. 4 VA/3 W in EV3 N3, provided by			
	idx. U.L	VI III Salatoa III I			a SELV class 2 source			
Earthir	ng metho	ods for the contr	ol dev	ice	None			
		withstand voltag	ge		2,5 KV (4 KV in EV3 N3).			
	oltage c	and structure			II (III in EV3 N3).			
Clock	ii C Class	and structure			Incorporated secondary lithium battery			
					(available in EV3 XRV)			
Clock					≤ 60 s/month at 25 °C (77 °F) > 24 h at 25 °C (77 °F)			
	supply	autonomy in the	e abse	ence or a	> 24 f	1 81 25 1	S (77 °F)	
		harging time			24 h (the battery is charged by the power			
					supply of the device)  2 for PTC or NTC probes (cabinet probe and			
Analog	gue input	IS .			l .	rator prol		
PTC pr	obes	Sensor type			KTY 8	1-121 (99	90 Ω @ 25 °C, 77 °F)	
		Measurement f	field		From -50 to 150 °C (from -58 to 302 °F)			
NTC -	robes	Resolution			0.1 °C (1 °F)			
NTC pr	ones	Sensor type Measurement f	field		β3435 (10 K□Ω @ 25 °C, 77 °F)   From -40 to 105 °C (from -40 to 221 °F)			
		Resolution			0.1 °C (1 °F)			
	inputs				1 dry	contact (	door switch/multi-purpose)	
Dry co	ntact		_	act type			5 VDC, 1.5 mA	
			Powe	r supply			None None	
Other	inputs				able fo	r analog	ue input (auxiliary probe) or	
				_		_	-purpose input)	
Digital	outputs		I				ompressor, defrost, evaporator	
			In E				total current allowed on the	
Compr	essor re	lay (K1)	ioad:	s is 15 A	SPST	16 A res	. @ 250 VAC	
Compressor relay (K1)  Defrost relay (K2)					SPST, 16 A res. @ 250 VAC  SPST, 8 A res. @ 250 VAC; SPDT, 8 A res. @			
Evaporator fan relay (K3)					250 VAC in EV3 N3 SPST, 5 A res. @ 250 VAC; SPST, 2 A res. @			
Auxiliary relay (K4)					SPST,	5 A res.	00 cycles) in EV3 N3  @ 250 VAC; SPDT, 16 A res.	
Type 1	or Type	2 Actions			@ 250 Type 1		EV3 N3	
Additio		ures of Type 1	or Ty	pe 2 ac-	С			
tions Display	vs				3 diai+	s clistom	display, with function icons	
	buzzer					orated	alopiay, with function icons	
	orated s	ensors:					Energy (available in EV3	
Comm	unicatio	n ports:			XRV). 1 TTL	MODBUS	slave port for EVconnect app	
					EPoCA remote monitoring system or for BMS			

COH high condensation warning automatic

high condensation alarm

multi-purpose input alarm

CSd

check C6

check C7 check i5 and i6

manual

automatic

switch the device off and on

For EV3... XRV According to European R&TTE Declaration of Conformity this device can be used in the following Countries: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Norway, Poland Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, The Netherlands and The United Kingdom.

A

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

EPoCA remote monitoring system or for BMS

(not available in EV3... XRV)

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