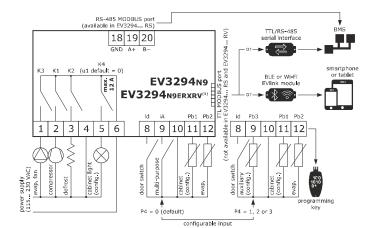
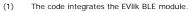
# **EPoCA** PLEASE READ CAREFULLY $\mathbb{Q}^{(1)}$ FNC \ THE ENVIRONMENT ENGLISH Controllers for low temperature units. Power supply 115... 230 VAC or 12-24 VAC/DC (according to the model). Incorporated clock (according to the model). Cabinet probe and evaporator probe (PTC/NTC). Door switch input. Compressor relay 16 A res. @ 250 VAC. Alarm buzzer. Incorporated Bluetooth Low Energy sensor (according to the model). TTL MODBUS slave port or RS-485 MODBUS slave port (according to the model). Cooling or heating operation. MEASUREMENTS AND INSTALLATION 1 Measurements in mm (inches). To be fitted to a panel, snap-in brackets provided. 33.0 (1 5/16) ¥ - 75.0 (2 15/16)--59.0 (2 5/16)--81.5 (3 3/16)drilling template 29.0 (1 1/8) 71.0 (2 13/16) 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 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.

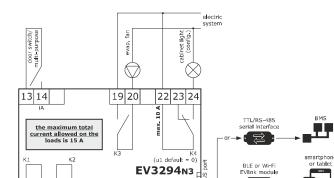
In compliance with safety regulations, the device must be installed properly to ensure adequate protection from contact with electrical parts. All protective parts must be fixed in such a way as to need the aid of a tool to remove them.

### ELECTRICAL CONNECTION

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







rollers for refrigerated cabinets, counters and island with energy-saving strategies									
	Recom	mended configuration parameters for firs	st-time use.	5.3	Vi				
PAR.	DEF.	PARAMETER	MIN MAX.	Check	tha				
SP	0.0	setpoint	r1 r2	1.					
PO	1	probe type	0 = PTC $1 = NTC$	1.					
P2	0	temperature unit of measurement	$0 = °C \qquad 1 = °F$	2.					
d1	0	defrost type	0 = electric 1 = hot gas	2.					
			2 = compressor stopped		L				
	Then d	heck that the remaining settings are ap	propriate; see the section CONFIGURA-		P				

Disconnect the device from the mains.

- Make the electrical connection as shown in the section ELECTRICAL CONNECTION with out powering up the device.
- If EVIF22TSX or EVIF23TSX is used, set parameter bLE to 0

Cont

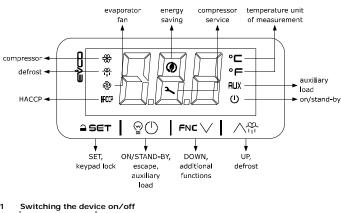
5.

4

4.1

Power up the device

USER INTERFACE AND MAIN FUNCTIONS



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

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

OFF LED ON FLASHING compressor on compressor off compressor protection active \* setpoint setting active defrost or pre-dripping ₩ defrost delay active active dripping active evaporator fan on evaporator fan off evaporator fan stop active @ saved HACCP alarm in HACCP EVlink energy saving active ٢ request for compres settings active sor service access to additional functions 2 active operation with EVconnect APP active view temperature overcooling or overheating active °C/°F auxiliary load on auxiliary load off auxiliary load on by digital input AUX auxiliary load delay active device off device on device on/off active ரு

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".

4.3 Set the setpoint

Check that the keypad is not locked. ≙SET 1. Touch the SET key. Touch the UP or DOWN key within 15 s to set the value within 2 the limits r1 and r2 (default "-50... 50") **≙** set 3. Touch the SET key (or do not operate for 15 s).

4.4 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. 1.

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) 4.5

- Touch the ON/STAND-BY key. 1.
  - 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.

4.6 Silence buzzer Touch a key.

3

4

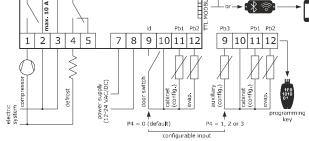
5.

6.

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

5 ADDITIONAL FUNCTIONS 5.1 Activate/deactivate overcooling, overheating and manual energy saving

1		кеура <b>с \/</b>	iu is no	t locked.		
1.		•	 x  .	Touch the DOWN key for 4 s.		
2.	<b>√</b> FN	- •		Touch the UP or DOWN key within	n 15 s to select a label.	
	LAB.		CRIPTI	DN perature (if P4 = 0, 1 or 2)		
	Pb1	inlet	air ten	nperature (if P4 = 3)		
	Pb2 Pb3			temperature (if P3 = 1 or 2) mperature (if P4 = 1, 2 or 3)		
	Pb4	calcu	lated p	product temperature (CPT; if P4 =	3)	
3.	<b>≙</b> €	SET		Touch the SET key.		
4.	<b>  (</b>	$\mathbb{O}$		Touch the ON/STAND-BY key (or the procedure.	do not operate for 60 s) to exit	
6 .1	SETTIN		igurat	ion parameters		
 1.		) Set		Touch the SET key for 4 s: the di	splay will show the label " <b>PA</b> ".	
			<u> </u> 			
2.		SET		Touch the SET key.		
3.	<b>√</b> FN	 	t I	Touch the UP or DOWN key within fault "-19").	in 15 s to set the PAS value (de-	
4.	<b>  a</b>	эет		Touch the SET key (or do not op show the label "SP".	perate for 15 s): the display wil	
5.	<b>√</b> EN		<b>ب</b> ا ۲	Touch the UP or DOWN key to se	lect a parameter.	
5.	<b>-</b> :	SET		Touch the SET key.		
7.	∳ FN		ł	Touch the UP or DOWN key within	n 15 s to set the value.	
8.	1 29	SET		Touch the SET key (or do not ope	erate for 15 s).	
9.				Touch the SET key for 4 s (or do procedure.	not operate for 60 s) to exit the	
.2	Set the date, time and day of the week (available in EV3294 RS and					
	EV329 ed)	4 R'	V or if	EVIF23TSX, EVIF25TWX or int	terface EVIF25TBX is connec	
<b>0</b> 0	of ti - if th wee	ne tim ie dev ek will	e and ( ice con be aut	ct the device from the mains with Jay of the week. Imunicates with the EVconnect ap pomatically set by the smartphone of	p, the date, time and day of the	
heck 1 1		кеура С //		t locked. Touch the DOWN key for 4 s.		
		- v				
2.	∳ FN	c	Î	Touch the UP or DOWN key within		
3.	<b>       </b>	SET		Touch the SET key: the display we by the last two figures of the year	••	
4.	f FNC ↓		<b>ا ا</b>	Touch the UP or DOWN key within	n 15 s to set the year.	
5.	Renea	t actio	ns 3 a	nd 4. to set the next labels.		
	LAB.			ON OF THE NUMBERS FOLLOWING	THE LABEL	
	n	mon	th (01.	. 12)		
	d h		(01 3 (00 2			
	n minute (00.					
6.	<b>       </b>	эет		Touch the SET key: the display v the week.	vill show the label for the day of	
7.	ý 🔜	$\wedge$	•	Touch the UP or DOWN key wit	thin 15 s to set the day of the	
	LAB.		CRIPTI	week.		
	Mon	Mon				
	tuE	Tues	day			
	UEd		nesday			
	thu Eri					
	Fri Sat	Frida Satu				
	Sun	Sund	-			
8.	<b> </b> ≙ 9	SET		Touch the SET key: the device wi	ill exit the procedure.	
9.	9	Ū	Ι	Touch the ON/STAND-BY key to e	exit the procedure beforehand.	
7	CONFI	GURA	TION	PARAMETERS		
		PAR.		SETPOINT		
0-						
₽		SP	DEF. 0.0	setpoint	MIN MAX. r1 r2	
₽	1 N. F	SP PAR.	<b>0.0</b> DEF.	setpoint ANALOGUE INPUTS	r1 r2 MIN MAX.	
Û	1 N. F	SP	0.0	setpoint	r1 r2	



### 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 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 doing any type of maintenance.
- Do not use the device as safety device.
- For repairs and for further information, contact the EVCO sales network.

### FIRST-TIME 3

- 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 2 test will be run

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

3. Configure the device as shown in the section Setting configuration parameters.

	Check that the keypad is not locked.						
1.	FN	FNC V Touch the DOWN key.					
FUNCT	ION		CONDITION	CONSEQUENCE			
overcooling			r5 = 0, $r8 = 1$ and defrost not active	the setpoint becomes "setpoint - 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			
	5.2 View/delete compressor functioning hours and view comp. start-up number Check that the keypad is not locked.						
1.			Touch the DOWN key for 4 s.				
2.			Touch the UP or DOWN key w	vithin 15 s to select a label.			
	LAB.	DESCRIPTIO	NC				
	CLL	viow compr	accorting to the transformer (hundrede)				

СН	view compressor functioning hours (hundreds)		
rCH	delete comp	pressor functioning hours	
nS1	compressor	start-up number (thousands)	
- SET		Touch the SET key.	
		Touch the UP or DOWN key to set "149" (when label "rCH" is se- lected).	
<b>≙</b> set		Touch the SET key.	
<b> </b> ♀	$\bigcirc$	Touch the ON/STAND-BY key (or do not operate for 60 s) to exit the procedure.	

		1.5			
					1 = defrost + fan
					2 = fan
-	9	P4	0	configurable input function	0 = digital input
0					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-	0 10 % x 10
				uct temperature (CPT)	$CPT = \{ [(P7 x (air in)] +$
					[(100 - P7) x (air out)] :
					100}
	12	P8	5	display refresh time	0 250 s : 10
	Ν.	PAR.	DEF.	REGULATION	MIN MAX.
	13	r0	2.0	setpoint differential	1 15 °C/°F
	14	r1	-50	minimum setpoint	-99 °C/°F r2
	15	r2	50.0	maximum setpoint	r1 199 °C/°F
	16	r4	0.0	setpoint offset in energy saving	0 99 °C/°F
-	17	r5	0	cooling or heating operation	0 = cooling
46					1 = heating
-	18	r6	0.0	setpoint offset in overcool-	0 99 °C/°F
				ing/overheating	
	19	r7	30	overcooling/overheating duration	0 240 min
	20	r8	0	DOWN key additional function	0 = disabled
					1 = overcooling/overheating
					2 = energy saving

-25... 25 °C/°F

0 = disabled

1 = NTC

1 = yes

1 = °F

0 = PTC

0 = no

 $0 = ^{\circ}C$ 

4 CA3 0.0 auxiliary probe offset

1

0

1

1 probe type

ment

enable °C decimal point

evaporator probe function

temperature unit of measure-

PO

P2

5

6 P1

7

8 Ρ3

EVCO S.	p.A.	EV3294	Instru	ction sheet ver. 2.0   Code 1043294E20	03   Page 2 of 4   PT 37/22
	21	r12	0	position of the r0 differential	0 = asymmetric
					1 = symmetric
	Ν.	PAR.	DEF.	COMPRESSOR	MIN MAX.
	22	CO	0	compressor on delay after pow-	0 240 min
				er-on	
	23 24	C2	3	compressor off minimum time	0 240 min
	24	C3 C4	10	compressor on minimum time compressor off time during cabi-	0 240 s 0 240 min
	20	04		net probe alarm	0 240 mm
	26	C5	10	compressor on time during cabi-	0 240 min
				net probe alarm	
	27	C6	80.0	threshold for high condensation	0 199 °C/°F
e				warning	differential = 2 °C/4 °F
	28	C7	90.0	threshold for high condensation	0 199 °C/°F
	29	C8	1	alarm high condensation alarm delay	0 15 min
	30	C10	0	compressor hours for service	0 15 min 0 999 h x 100
		0.0			0 = disabled
	31	C11	0		0 240 s
				second compressor switch-on de- lay (not available in EV3 N3)	
	32	C13	0	number of start-ups for compres-	0 10
				sor rotation (not available in EV3 N3)	0 = disabled
	N.	PAR.	DEF.	DEFROST (if $r5 = 0$ )	MIN MAX.
	33	d0	8	automatic defrost interval	0 99 h
			-		0 = only manual
					if d8 = 3, maximum interval
	34	d1	0	defrost type	0 = electric
					1 = hot gas
	05	10			2 = compressor stopped
	35 36	d2 d3	8.0 30	threshold for defrost end defrost duration	-99 99 °C/°F 0 99 min
	50	us	30		se P3 = 1, maximum duration
	37	d4	0	enable defrost at power-on	0 = no $1 = yes$
	38	d5	0	defrost dealy after power-on	0 99 min
	39	d6	2	value displayed during defrost	0 = regulation temperature
					1 = display locked
					2 = dEF label
	40	d7	2	dripping time	0 15 min
	41	d8	0	defrost interval counting mode	0 = device on hours
					<ol> <li>1 = compressor on hours</li> <li>2 = hours evaporator tem-</li> </ol>
					perature < d9
					3 = adaptive
					4 = real time
•	42	d9	0.0	evaporation threshold for auto-	-99 99 °C/°F
•	43	d11	0	matic defrost interval counting enable defrost timeout alarm	0 = no 1 = yes
	44	d15	0	compressor on consecutive time	0 _ 10 1 _ yes
			-	for hot gas defrost	
	45	d16	0	pre-dripping time for hot gas de-	0 99 min
				frost	
	46	d18	40	adaptive defrost interval	0 999 min
					if compressor on + evapora-
					tor temperature < d22 0 = only manual
	47	d19	3.0	threshold for adaptive defrost	0 40 °C/°F
				(relative to optimal evaporation	optimal evaporation tempera-
				temperature)	ture - d19
	48	d20	180	compressor on consecutive time	0 999 min
	49	-10.1	200	for defrost	0 = disabled 0 500 min
	49	d21	200	compressor on consecutive time for defrost after power-on and	if (regulation temperature -
				overcooling	setpoint) > 10°C/20 °F
				Ű	0 = disabled
	50	d22	-2.0	evaporation threshold for adap-	-10 10 °C/°F
				tive defrost interval counting	optimal evaporation tempera-
				(relative to optimal evaporation	ture + d22
	N.	PAR.	DEF.	temperature) ALARMS	MIN MAX.
	51	AA	0	select value for high/low temper-	0 = regulation temperature
				ature alarms	1 = evaporator temperature
					2 = auxiliary temperature
	52	A1	-10.0	threshold for low temperature	-99 99 °C/°F
	53	A2	2	alarm	0 disabled
	53	AZ	2	low temperature alarm type	0 = disabled 1 = relative to setpoint
					2 = absolute
	54	A4	10.0	threshold for high temperature	-99 99 °C/°F
				alarm	
	55	A5	2	high temperature alarm type	0 = disabled
					1 = relative to setpoint 2 = absolute
~3	56	A6	12	high temperature alarm delay af-	2 = absolute 0 99 min x 10
				ter power-on	
	57	A7	15	high/low temperature alarms de-	0 240 min
				lay	
	58	A8	15	high temperature alarm delay af-	0 240 min
	F.C.	40	45	ter defrost	0. 340 m <sup>1</sup> -
	59	A9	15	high temperature alarm delay af- ter door closing	0 240 min
	60	A10	10	power failure duration for alarm	0 240 min
				recording	
	61	A11	2.0	high/low temperature alarms re-	1 15 °C/°F
				set differential	
	N.	PAR.	DEF.	FANS	MIN MAX.
	62	FO	1	evaporator fan mode during	0 = off $1 = on2 = according to E15 and$
				normal operation	2 = according to F15 and F16 if compressor off, or

	N.	PAR.	DEF.	DIGITAL INPUTS	MIN MAX.
	74	i0	5	door switch input function	0 = 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
					1 = with contact open
	76	i2	30	open door alarm delay	-1 120 min -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 function (options 7 and 8 not	0 = disabled 1 = energy saving
				available in EV3 N9)	2 = iA alarm 3 = button-operated load on
<b>F</b>					4 = device on/off 5 = Cth alarm
					6 = th alarm 7 = compressor + evapora-
					tor fan off, cabinet light
					on 8 = evaporator fan off +
	79	i6	0	door switch/multi-purpose input	cabinet light on 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
	81	i10	0	door closed consecutive time for	delay after alarm reset 0 999 min
	01	110		energy saving	after regulation temperature
					< SP 0 = disabled
	82	i13	180	number of door openings for de- frost	0 240 0 = disabled
	83	i14	32	door open consecutive time for defrost	0 240 min 0 = disabled
	N. 84	PAR. u1	DEF.	DIGITAL OUTPUTS auxiliary output configuration	MIN MAX. 0 = cabinet light
	04	ai		(option 8 not available in EV3	1 = demisting
				N3)	2 = button-operated load 3 = alarm
					4 = door heaters 5 = heater for neutral zone
					6 = condenser fan 7 = on/stand-by
$\boldsymbol{\times}$	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
	87	u5	-1.0	the buzzer threshold for door heaters on	-99 99 °C/°F
					differential = 2 °C/4 °F
	88 89	u6 u7	5 -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 setpoint + u7
<b>1</b> 0,	N. 90	PAR. HE2	DEF.	ENERGY SAVING (if r5 = 0) energy saving maximum duration	MIN MAX. 0 999 min
••	N.	PAR.	DEF.	REAL TIME ENERGY SAVING (if	-1 = until the door opening MIN MAX.
	91	H01	0	r5 = 0) Monday energy saving time	0 23 h
	92	H02	0	Monday energy saving maximum	0 24 h
	93	H03	0	duration Tuesday energy saving time	0 23 h
	94	H04	0	Tuesday energy saving maximum duration	0 24 h
	95 96	H05 H06	0	Wednesday energy saving time Wednesday energy saving maxi-	0 23 h 0 24 h
_۵	97	H07	0	mum duration Thursday energy saving time	0 23 h
*	98	H08	0	Thursday energy saving maxi- mum duration	0 24 h
	99	H09	0	Friday energy saving time	0 23 h
	100	H10	0	Friday energy saving maximum duration	0 24 h
	101 102	H11 H12	0	Saturday energy saving time Saturday energy saving maxi-	0 23 h 0 24 h
	103	H13	0	mum duration Sunday energy saving time	0 23 h
	103	H14	0	Sunday energy saving time	0 24 h
	N.	PAR.	DEF.	REAL TIME DEFROST (if d8 = 4)	MIN MAX.
. ~	105 106	Hd1 Hd2	h- h-	1st daily defrost time 2nd daily defrost time	h- = disabled h- = disabled
• C	107 108	Hd3 Hd4	h- h-	3rd daily defrost time 4th daily defrost time	h- = disabled h- = disabled
	109 110	Hd5 Hd6	h- h-	5th daily defrost time 6th daily defrost time	h- = disabled h- = disabled
	N.	PAR.	DEF.	SAFETIES	MIN MAX.
$\overline{O}$	111 112	POF PAS	0 -19	enable ON/STAND-BY key password	0 = no 1 = yes -99 999
-	113 114	PA1 PA2	426 824	level 1 password level 2 password	-99 999 -99 999
$\odot$	N. 115	PAR. Hr0	DEF.	REAL TIME CLOCK enable clock	MIN MAX. 0 = no 1 = yes
-	N.	PAR.	DEF.	DATA-LOGGING EVLINK serial port configuration for con-	MINMAX. $0 = free$
	10	ULE		nectivity	1 = forced for EVconnect or
_					EPoCA 2-99 = EPoCA local network
	L	rE0	15	data-logger sampling interval	address 0 240 min
00	117	rE1	1	recorded temperature	0 = none 1 = cabinet 2 = evaporator
ित्व	117 118				3 = auxiliary 4 = cabinet and evaporator
ण्डि					T = CONTRACTOR CONTRACTOR
<u>G</u>	118		DEF	MODRUE	5 = all
	118 N. 119	PAR. LA	DEF. 247	MODBUS MODBUS address	5 = all MIN MAX. 1 247
	118 N.	PAR.			5 = all MIN MAX. 1 247 0, 4, 8 = 2,400 baud 1, 5, 9 = 4,800 baud
Lq	118 N. 119	PAR. LA	247	MODBUS address	5 = all MIN MAX. 1 247 0, 4, 8 = 2,400 baud
Id	118 N. 119	PAR. LA	247	MODBUS address	5       = all         MIN MAX.         1 247         0, 4, 8       = 2,400 baud         1, 5, 9       = 4,800 baud         2, 6, 10       = 9,600 baud         3, 7, 11       = 19,200 baud         0, 1, 2, 3       = parity even
d	118 N. 119	PAR. LA	247	MODBUS address	5       = all         MIN MAX.         1 247         0, 4, 8       = 2,400 baud         1, 5, 9       = 4,800 baud         2, 6, 10       = 9,600 baud         3, 7, 11       = 19,200 baud         0, 1, 2, 3       = parity even         4, 5, 6, 7       = parity odd         8, 9, 10, 11       = parity none, 2
	N. 119 120	PAR. LA Lb	247	MODBUS address	5       = all         MIN MAX.         1 247         0, 4, 8       = 2,400 baud         1, 5, 9       = 4,800 baud         2, 6, 10       = 9,600 baud         3, 7, 11       = 19,200 baud         0, 1, 2, 3       = parity even         4, 5, 6, 7       = parity odd
8	N. 119 120	PAR. LA Lb	247 2	MODBUS address MODBUS baud rate	5 = all MIN MAX. 1 247 0, 4, 8 = 2,400 baud 1, 5, 9 = 4,800 baud 2, 6, 10 = 9,600 baud 3, 7, 11 = 19,200 baud 0, 1, 2, 3 = parity even 4, 5, 6, 7 = parity odd 8, 9, 10, 11 = parity none, 2 stop bit
	N.           119           120           ALAF           DES           cabi	PAR. LA Lb CRIPTIO	247 2	MODBUS address MODBUS baud rate RESET REMED n automatic - chec	5 = all MIN MAX. 1 247 0, 4, 8 = 2,400 baud 1, 5, 9 = 4,800 baud 2, 6, 10 = 9,600 baud 3, 7, 11 = 19,200 baud 0, 1, 2, 3 = parity even 4, 5, 6, 7 = parity odd 8, 9, 10, 11 = parity none, 2 stop bit HES

AL         low temperature alarm         automatic         check AA, A1 and A2           AH         high temperature alarm         automatic         check AA, A4 and A5           Id         open door alarm         automatic         check AA, A4 and A5           Id         power failure alarm         manual         check KB etchical connection           COH         high condensation alarm         manual         - switch the device off and on - check C6           Id         multi-purpose input alarm         automatic         check KB and I6           CH         algobal thermal switch alarm         manual         - switch the device off and on - check CB and I6           Id         defrost timeout alarm         manual         - switch the device off and on - check GB and I6           Id         defrost timeout alarm         manual         - switch he device off and on - check GB and I6           Id         defrost timeout alarm         manual         - switch he device off and on - check GB and I6           Construction of the control device         Function controller         Contract GB and I6           Construction of the control device         Function controller         Contal and I7           S 0 x 30 x 80 0 mm (2 15/16 x 1 5/16
id         open door alarm         automatic         check No ±11           PF         power failure alarm         manual         - touch a key           CM         high condensation warning         automatic         check No ±11           CM         multi-purpose input alarm         manual         - switch the device off and on check K is and i6           Ch         compressor thermal switch alarm         manual         - switch the device off and on check K is and i6           GFd         defrost timeout alarm         manual         - switch the device off and on check K is and i6           GFd         defrost timeout alarm         manual         - switch the device off and on check K is and i6           GFd         defrost timeout alarm         manual         - switch the device off and on check K is and i6           GFd         defrost timeout alarm         manual         - switch the device off and on check K is and i6           GFd         defrost timeout alarm         manual         - switch the device off and on check K is and i6           GFd         defrost timeout alarm         manual         - switch the device off and on check K is and i6           GFd         defrost timeout alarm         manual         - switch the device off and on check K is and i6           GFd         defrost timeout alarm         manual         - swit
PF         power failure alarm         manual         - touch a key         - check electrical connection           CDH         high condensation warning         automatic         check C0         - check C0           SIG         high condensation alarm         manual         - switch the device off and on - check C1           Compressor thermal switch automatic         check C3         automatic         check C3           A         multi-purpose input alarm         automatic         check C3         automatic           alarm         manual         - switch the device off and on - check C5 and 16         -           alarm         manual         - switch the device off and on - check C5 and 16         -           Geffort         the control device         Built-in electronic device         Built-in electronic device           Construction of the control device         Built-in electronic device         Built-in electronic device           Construction of the control device         Sull-in electronic device         Sull-in electronic device           Construction of the control device         Sull-in electronic device         Sull-in electronic device           C5 /s 3.3 0 x 73.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3         T5 0 x 33.0 x 83.0 mm (2 15/16 x 1 5/16 x 1 5
20H         high condensation warning         automatic         check 62           20H         high condensation alarm         manual         check 67           A         multi-purpose input alarm         automatic         check 65           A         multi-purpose input alarm         automatic         check 15 and 16           alarm         -         setted 15 and 16         check 15 and 16           alarm         -         check 15 and 16         check 16 and 16           alarm         -         check 15 and 16         check 16 and 11           2         receive 16 and 16         check 16 and 16         check 2, d3 and d11           2         receive 16 and 16         check 42, d3 and d11         check 42, d3 and d11           2         receive 16 and 16         check 42, d3 and d11         check 42, d3 and d11           2         receive 16 and 16         check 42, d3 and d11         check 42, d3 and d11           2         receive 16 and 16         check 41         check 41         check 42, d3 and d11           2         receive 16 and 16         check 42, d3 and d11         check 42, d3 and d11           2         receive 16 and 16         check 42, d3 and d11         check 42, d3 and d11           2         receive 16 and 16
COH         high condensation warning         automatic         check C 5           CSd         high condensation alarm         manual         - switch the device off and on - check C 7           Ch         compressor thermal switch alarm         automatic         check 15 and 16           Ch         compressor thermal switch alarm         automatic         check 15 and 16           Ch         compressor thermal switch alarm         - switch the device off and on - check 2, d3 and d11           2         TECHNICAL SPECIFICATIONS         - touch a key           Purpose of the control device         Built-in electronic device         Contraction of the control device           Construction of the control device         Built-in electronic device         Construction of the control device           Category of heat and fire resistance         D         D           75.0 × 33.0 × 73.0 mm (2 15/16 × 1 5/16 × 2 7/8 in) in V1.         To be fitted to a panel, snap-in bracket vided           27.6 in in CV3N3         - 5/16 × 3 14/10 in EV3N3         - 5/16 × 3 14/10 in EV3N3           27.5 N x3.0 × 74.0 mm (2 15/16 × 1 5/16 × 2 7/8 in) in EV3N3         To be fitted to a panel, snap-in bracket vided           Connection method         - somethor source were reminal blocks for wires up to 2,5 mm². by request (default in EV3N3)           Contart the control device         2
CSd         high condensation alarm         manual         - switch the device off and on - check C7           A         multi-purpose input alarm         automatic         check I5 and I6           check I5 and I6         automatic         check I5 and I6           atarm         manual         - switch the device off and on - check I5 and I6           atarm         manual         - switch the device off and on - check I5 and I6           atarm         manual         - switch the device off and on - check I5 and I6           atarm         manual         - switch the device off and on - check I5 and I6           atarm         manual         - switch the device off and on - check I5 and I6           atarm         manual         - switch the device off and on - check I5 and I6           atarn         manual         - switch the device off and on - check I5 and I6           atarn         manual         - switch the device off and on - check I5 and I6           atarn         Back, self-extinguishing         Catagory of heat and fire resistance         D           Catagory of heat and fire resistance         D         D         D         S 3 / 16 in y with removable screw terminal blocks: 15 / 16 x 1 5 / 16 x
A       multi-purpose input alarm       automatic       check K 5 and 16         A       multi-purpose input alarm       automatic       check K 5 and 16         alarm       global thermal switch alarm       manual       - stekk 5 and 16         affd       defrost timeout alarm       manual       - stekk 5 and 16         affd       defrost timeout alarm       manual       - stekk 62, d3 and d11         2       TECHNICAL SPECIFICATIONS       Built-In electronic device       Built-In electronic device         Category of heat and fire resistance       D       D       State 5 and 16         25 (x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x 2 3 /16 in) with removable screw te blocks: 75.0 x 33.0 x 83.0 mm (2 15/16 x 1 5/16 x 2 1 5/16 x 3 1 /4 in) in EV3 N3       State 5 x 3 /4 in) in EV3 N3         57 (x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x 2 7 /8 in) in EV3 N3       To be fitted to a panel, snap-in bracket vided         Degree of protection provided by the cover-       IP65 (front)       In EV3 N3         Stot x 3.0 x 7.4 0 mm (2 15/16 x 1 5/16 x 2 7 /8 in) in EV3 N5       Storage temperature       From 0 to 55 °C (from 32 to 131 *6);         Connection method       Removable screw terminal blocks for wires up to 2,5 mm²       Analogue inputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Analogue inputs: 10 m (32.8 ft)       Analogue inputs: 10 m (32.8 ft)
A         multi-purpose input alarm alarm         automatic alarm         check is and lé           Ch         compressor thermal switch alarm         manual         - switch the device off and on - check is and lé           dFd         defrost timeout alarm         manual         - switch the device off and on - check is and lé           3Fd         defrost timeout alarm         manual         - switch the device off and on - check is and lé           2         TECHNICAL SPECIFICATIONS         Function controller         - check d2, d3 and d11           2         TECHNICAL SPECIFICATIONS         Function controller         - check d2, d3 and d11           2         TECHNICAL SPECIFICATIONS         Function controller         - check d2, d3 and d11           2         TECHNICAL SPECIFICATIONS         Function controller         - check d2, d3 and d11           2         TECHNICAL SPECIFICATIONS         Function controller         - check d2, d3 and d11           2         TECHNICAL SPECIFICATIONS         Function controller         - check d2, d3 and d11           2         TECHNICAL SPECIFICATIONS         Function controller         - check d2, d3 and d11           2         TECHNICAL SPECIFICATIONS         Function controller         - check d2, d3 and d11           2         TECHNICAL SPECIFICATIONS         Function controller <td< td=""></td<>
Ch         compressor thermal switch alarm         automatic manual         check I5 and I6           global thermal switch alarm         manual         - switch the device off and on - check I5 and I6           global thermal switch alarm         manual         - switch the device off and on - check I5 and I6           global thermal switch alarm         manual         - switch the device off and on - check I5 and I6           2         TECHNICAL SPECIFICATIONS         Function controller           Construction of the control device         Bult-in electronic device           Category of heat and fire resistance         D           Veasurements         75.0 x 33.0 x 81.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in VII removable screw te blocks. 75.0 x 33.0 x 83.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3           72.7 kin Din EV3N3         57.16 x 31 4/10 in EV3 N3           72.6 no fire Valary         Na           72.6 no fireValary         Na           72.
alarm     switch alarm     manual
th       global thermal switch alarm       manual       - switch the device off and on         defroit       defrost timeout alarm       manual       - check Es and I6         ordex Es and I6       - check Z, d3 and d11         0       TECHNICAL SPECIFICATIONS         Purpose of the control device       Built-in electronic device         Construction of the control device       Built-in electronic device         Container       Black, self-extinguishing         Category of heat and fire resistance       D         Measurements       57.6 x 33.0 x 95.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3         75.0 x 33.0 x 95.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3       75.0 x 33.0 x 83.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3         75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3       To be fitted to a panel, snap-in bracket vided         Connection method       Removable screw terminal blocks for wires up to 2,5 mm².       Nm?: by request (default in EV3 N3         Maximum permitted length for connection cables       Power supply: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Optical in puts: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Optical in puts: 2.30 vAC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3         Resdet mpu
aFd         - check I5 and I6           aFd         - check I5 and I6           aFd         - check d2, d3 and d11           Purpose of the control device         Function controller           Construction of the control device         Built-in electronic device           Construction of the control device         Built-in electronic device           Construction of the control device         D           Category of heat and fire resistance         D           2 5/16 in) with fixed screw terminal blocks:         3 3/16 in) with removable screw terminal blocks           5 0 x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x 1 5/16 x 3 1/4 in) in EV3 N3         5 /16 x 3 1/4 in) in EV3 N3           7 7.0 in) in EV3 N3         5 /16 x 3 1/4 in) in EV3 N3           So avail of the control device         To be fitted to a panel, snap-in bracket vided           Degree of protection provided by the cover- ing         Error vires up to 2,5 mm²           Connection method         Error vires up to 2,5 mm²         Digital outputs: 10 m (32.8 ft)           Digital inputs: 10 m (32.8 ft)         Digital outputs: 10 m (32.8 ft)           Digital inputs: 10 m (32.8 ft)         Digital outputs: 10 m (32.8 ft)           Conformity         Relative humidity without condensate 10 to 90%.           Pollution status of the control device         2           Conformity <t< td=""></t<>
defrost timeout alarm     manual     - touch a key       check d2, d3 and d11       2     TECHNICAL SPECIFICATIONS       Purpose of the control device     Built-in electronic device       Construction of the control device     Built-in electronic device       Container     Black, self-extinguishing       Category of heat and fire resistance     D       Weasurements     57.0 x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x       75.0 x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x     3/16 in) with removable screw terminal blocks;       75.0 x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3       75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3       75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3       Operating methods for the control device       To be fitted to a panel, snap-in bracket vided       Degree of protection provided by the cover-       rig       Connection method       Fixed screw terminal blocks       ror wires up to 2,5 mm <sup>2</sup> blocks for wires up to 10 (32.8 ft)       Analogue inputs: 10 m (32.8 ft)       Digital inputs: 10 m (32.8 ft)       Conformity<
Purpose of the control device     Function controller       Construction of the control device     Built-in electronic device       Category of heat and fire resistance     D       Veasurements     75.0 x 33.0 x 81.5 mm (2 15/16 x 1 5/16 x)       75.0 x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x)     75.0 x 33.0 x 81.5 mm (2 15/16 x 1 5/16 x)       75.0 x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x)     75.0 x 33.0 x 83.0 mm (2 15/16 x 1 5/16 x)       75.0 x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x)     75.6 x 33.0 x 83.0 mm (2 15/16 x 1 5/16 x)       75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3     5/16 x 3 1/4 in) in EV3 N3       75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3     To be fitted to a panel, snap-in bracket vided       Orgeree of protection provided by the cover- ng     Portice fitted to a panel, snap-in bracket vided       Stread screw terminal blocks for wires up to 2,5 mm²     Digital outputs: 10 m (32.8 ft)       Digital inputs: 10 m (32.8 ft)     Digital outputs: 10 m (32.8 ft)       Objetial inputs: 10 m (32.8 ft)     Digital outputs: 10 m (32.8 ft)       Storage temperature     From 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from 32 to 131 °F); ft to 50 °C (from 32 to 131 °F); ft to 50 °C (from 32 a 122 °F) in EV3 N3       Storage temperature     From 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from 32 to 131 °F); ft to 50 °C (from 32 to 131 °F); ft to 50 °C (from 32 to 131 °F); ft to 50 °C (from 32 to 131 °F); ft to 50 °C (from 32 to 131 °F); ft to 50 °C (from 32 to 131 °F); ft to 50 °C (from 13 to 158 °F)
Purpose of the control device         Function controller           Construction of the control device         Built-in electronic device           Container         Black, self-extinguishing           Category of heat and fire resistance         D           Measurements         75.0 x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x)           75.0 x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x)         3.3/16 in) with removable screw terminal blocks;           75.0 x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3           75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3           75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3           Mounting methods for the control device         To be fitted to a panel, snap-in bracket vided           Degree of protection provided by the cover-ing           Removable screw terminal blocks for wires up to 2,5 mm².           Nammu permitted length for connection cables           Power supply: 10 m (32.8 ft)           Digital outputs: 10 m (32.8 ft)           Digital outputs: 10 m (32.8 ft)           Storage temperature           From 0 to 55 °C (from 32 to 131 *F); for 15 23 0 VAC (+10% -15%), 50/60 Hz (+3           NeHS 2011/45/CE           WEEE 2012/19/EU           Relative humidity without condensate 10 to 90%.           Pollution status of the control device           2
Container         Black, self-extinguishing           Category of heat and fire resistance         D           Measurements         75.0 x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x)         3 3/16 in) with removable screw terminal blocks;           2 5/16 in) with fixed screw terminal blocks;         3 3/16 in) with removable screw terminal blocks;         5/16 x 31/4 in) in EV3 N3           2 7/2 in) in EV3 N3         5/16 x 1 5/16 x         1 //16 x 3 1/4 in) in EV3 N3           75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 RS         To be fitted to a panel, snap-in brackle vided           Degree of protection provided by the covering         To be fitted to a panel, snap-in brackle vided           Connection method         IP65 (front)           Fixed screw terminal blocks         Removable screw terminal blocks for wires up to 2,5 mm²           Discks for wires up to 2,5 mm²         Analogue inputs: 10 m (32.8 ft)           Digital inputs: 10 m (32.8 ft)         Digital outputs: 10 m (32.8 ft)           Digital outputs: 10 m (32.8 ft)         Digital outputs: 10 m (32.8 ft)           Operating temperature         From 0 to 55 °C (from 32 to 131 °F): ft           Operating temperature         From -25 to 70 °C (from -13 to 158 °F)           Operating humidity         Relative humidity without condensate 10 to 90%           Pollution status of the control device         2           Relative h
Category of heat and fire resistance         D           Measurements         75.0 × 33.0 × 81.5 mm (2 15/16 × 1 5/16 × 1         75.0 × 33.0 × 81.5 mm (2 15/16 × 1 5/16 × 1           2 5/16 in) with fixed screw terminal blocks:         3/16 in) with removable screw terminal blocks:         3/16 in) with removable screw terminal blocks:           75.0 × 33.0 × 73.0 mm (2 15/16 × 1 5/16 × 2         78 in) in EV3 N3         75.0 × 33.0 × 83.0 mm (2 15/           70.8 n3.0 × 74.0 mm (2 15/16 × 1 5/16 × 2         78 in) in EV3 N3         75.0 × 33.0 × 83.0 mm (2 15/           70.8 n3.0 × 74.0 mm (2 15/16 × 1 5/16 × 2         78 in) in EV3 N3         75.0 × 33.0 × 81.5 mm (2 15// 6 × 1 5/16 × 2           Mounting methods for the control device         To be fitted to a panel, snap-in bracket vided         To be fitted to a panel, snap-in bracket vided           Connection method         Freed screw terminal blocks         Removable screw terminal blocks for wires up to 2,5 mm²         No son (2,5 mm²           Power supply: 10 m (32.8 ft)         Digital outputs: 10 m (32.8 ft)         Digital outputs: 10 m (32.8 ft)         No 32.8 ft)           Storage temperature         From 0 to 55 °C (from 32 to 131 °F): ft         No 50 °C (from 32 a 122 °F) in EV3 No           Storage temperature         From -25 to 70 °C (from -13 to 158 °F)         Operating humidity         Relative humidity without condensate 10 to 50 °C (from 32 to 131 °F); ft           Poletating humidity         Rel
Measurements         75.0 x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x)         75.0 x 33.0 x 81.5 mm (2 15/16 x 1 5/16 x)           75.0 x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x)         3 3/16 in) with removable screw terminal blocks;         75.0 x 33.0 x 83.0 mm (2 15/16 x 1 5/16 x)           75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3         57.16 x 3 1/4 in) in EV3 N3           75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3         57.16 x 3 1/4 in) in EV3 N3           75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3         To be fitted to a panel, snap-in bracket vided           Degree of protection provided by the covering         To be fitted to a panel, snap-in bracket vided           Connection method         Free screw terminal blocks for wires up to 2,5 mm² by request (default in EV3 R5)           Maximum permitted length for connection cables         Power supply: 10 m (32.8 ft)           Power supply: 10 m (32.8 ft)         Analogue inputs: 10 m (32.8 ft)           Digital outputs: 10 m (32.8 ft)         Digital outputs: 10 m (32.8 ft)           Operating temperature         From 0 to 55 °C (from 32 to 131 °F): ft to 50 °C (from 32 a 122 °F) in EV3 N3           Storage temperature         From -25 to 70 °C (from -13 to 158 °F)           Operating humidity         Relative humidity without condensate 10 to 90%           Pollution status of the control device         2           Conformity         SteX2 VAC/DC (+
75.0 x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x)       75.0 x 33.0 x 81.5 mm (2 15/16 x 1 5/16 x)         2 5/16 in) with fixed screw terminal blocks;       3 3/16 in) with removable screw terminal blocks;         2 7/8 in) in EV3 N3       5/16 x 3 1/4 in) in EV3 N3         75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3       5/16 x 3 1/4 in) in EV3 N3         75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3       To be fitted to a panel, snap-in brackel vided         Degree of protection provided by the cover- ing       To be fitted to a panel, snap-in brackel vided         Connection method       Removable screw terminal blocks for wires up to 2.5 mm²       Micro-MaTch connector         Fixed screw terminal blocks       Removable screw terminal blocks for wires up to 2.5 mm²       Micro-MaTch connector         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Nicro-ma32 to 131 °F); in 50 °C (from 32 to 131 °F); in 50 °C (from 32 to 131 °F);         Storage temperature       From 25 to 70 °C (from -13 to 158 °F)       Nee         Pollution status of the control device       2       2         Conformity       Relative humidity without condensate 10 to 90%.       2         Pollution status of the control device       12.24 VAC/DC (+10% -15%), 50/60 H (±3         12
2 5/16 in) with fixed screw terminal blocks;       3 3/16 in) with removable screw terminal blocks;         75.0 x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x 1 5/16 x 3 1/4 in) in EV3 N3         75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 R3         75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 R5         Mounting methods for the control device       To be fitted to a panel, snap-in bracket vided         Degree of protection provided by the cover-ing       IP65 (front)         Connection method       Removable screw terminal blocks for wires up to 2.5 mm² by request (default in EV3 RS)         Maximum permitted length for connection cables       Power supply: 10 m (32.8 ft)         Point State
75.0 x 33.0 x 73.0 mm (2 15/16 x 1 5/16 x       blocks: 75.0 x 33.0 x 83.0 mm (2 15/         75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 N3       5/16 x 3 1/4 in) in EV3 N3         75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 RS       Mounting methods for the control device       To be fitted to a panel, snap-in bracket vided         Degree of protection provided by the covering       IP65 (front)       IP65 (front)         Connection method       Removable screw terminal blocks for wires up to 2.5 mm²       Micro-MaTch connector         Power supply: 10 m (32.8 ft)       Analogue inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Storage temperature       From 0 to 55 °C (from 32 a 122 °F) in EV3 N         Storage temperature       From -25 to 70 °C (from -13 to 158 °F)         Operating humidity       Relative humidity without condensate 10 to 90%.         Pollution status of the control device       2         Conformity       VEEE 2012/19/EU         REACH (EC) Regulation 1907/2006       LVD 2014/35/UE         Power supply       115 230 VAC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3         112 230 VAC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3         Software class and structu
2 7/8 in) in EV3 N3       5/16 x 3 1/4 in) in EV3 N3         75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 RS         Mounting methods for the control device       To be fitted to a panel, snap-in bracket vided         Degree of protection provided by the covering       IP65 (front)         Connection method       Executive terminal blocks for wires up to 2.5 mm²       Micro-MaTch connector blocks for wires up to 2.5 mm²         Maximum permitted length for connection cables       Analogue inputs: 10 m (32.8 ft)       Digital inputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Operating temperature       From 0 to 55 °C (from 32 to 131 °F); 1 n EV3 N3         Storage temperature       From -25 to 70 °C (from -13 to 158 °F)         Operating humidity       Relative humidity without condensate 10 to 90%.         Pollution status of the control device       2         Conformity       KEE 2012/19/EU         REACH (EC) Regulation 1907/2006       LVD 2014/35/UE         Power suply       11 L1 in EV3 N3         115 230 VAC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 H 42, ±3         H2), max. 3.2 VA insulated in EV3 N9       12 L24 VAC/DC (+10% -15%), 50/60 H 42, ±3         Cock drift       A         Clock drift       S 60 s/month
75.0 x 33.0 x 74.0 mm (2 15/16 x 1 5/16 x 2 7/8 in) in EV3 RS         Mounting methods for the control device       To be fitted to a panel, snap-in bracket vided         Degree of protection provided by the covering       To be fitted to a panel, snap-in bracket vided         Connection method       Fixed screw terminal blocks for wires up to 2.5 mm² by request (default in EV3 RS)         Maximum permitted length for connection cables       Micro-MaTch connector blocks for wires up to 2.5 mm²; by request (default in EV3 RS)         Maximum permitted length for connection cables       Power supply: 10 m (32.8 ft)       Analogue inputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Operating temperature       From 0 to 55 °C (from 32 to 131 °F): ft to 50 °C (from 32 a 122 °F) in EV3 N       Storage temperature         RoHS 2011/65/CE       WEEE 2012/19/EU       Relative humidity without condensate 10 to 90%         Pollution status of the control device       2       2         Conformity       ReACH (EC) Regulation 1907/2006       LVD 2014/35/UE         Power supply       115 230 VAC (+10% -15%), 50/60 Hz (±3), max. 4 VA/3 W in EV3 N3).       Software class and structure         Rated impulse-withstand voltage       2, 5 KV (4 KV in EV3 N3).       Software class and structure         Clock drift       S 60 s/month at 25 °C (77 °F)       Software
Mounting methods for the control deviceTo be fitted to a panel, snap-in bracket videdDegree of protection provided by the coveringIP65 (front)Connection methodIP65 (front)Fixed screw terminal blocks for wires up to 2,5 mm²Removable screw terminal blocks for wires up to 2,5 mm² by request (default in EV3 RS)Micro-MaTch connectorMaximum permitted length for connection cablesPower supply: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)Digital inputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)To on 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from 32 a 122 °F) in EV3 NStorage temperatureFrom 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from 31 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityRelative humidity without condensate 10 to 90%Power supplyTo 10 °C (+10% -15%), 50/60 Hz (±3 12-24 VAC/DC (+10% -15%), 50/60 H Hz), max. 3.2 VA insulated in EV3 N9Atta in pulse-withstand voltage 2.5 KV (4 KV in EV3 N3).Software class and structure A Incorporated secondary lithium to (available in EV3 RS and EV3 RV)Clock drift Clock battery autonomy in the absence of a power supply2 for PTC or NTC probes (cabinet prot evaporator probe)PTC probes Sensor typeK1Y 81-121 (990 $\Omega$ @ 25 °C, 77 °F) Measurement field From -50 to 150 °C (from -58 to 302 °F ResolutionOt c (1 °F)Sensor type
vided         Degree of protection provided by the covering       IP65 (front)         Connection method       Fixed screw terminal blocks       Removable screw terminal blocks or wires up to 2,5 mm²         Fixed screw terminal blocks       Removable screw terminal blocks or wires up to 2,5 mm²       Micro-MaTch connector blocks         Fixed screw terminal blocks       Removable screw terminal blocks or wires up to 2,5 mm²       Micro-MaTch connector blocks         Power supply: 10 m (32.8 ft)       Analogue inputs: 10 m (32.8 ft)       Digital inputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Storage temperature       From 0 to 55 °C (from 32 a 122 °F) in EV3N       From -25 to 70 °C (from -13 to 158 °F)         Operating humidity       Relative humidity without condensate 10 to 90%       Conformity         RoHS 2011/65/CE       WEEE 2012/19/EU         REACH (EC) Regulation 1907/2006       LVD 2014/35/UE         Power supply       T15 230 VAC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3         T15 230 VAC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3         T15 230 VAC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3         Retal impulse-withstand
Degree of protection provided by the covering       IP65 (front)         Connection method       Excess terminal blocks       Removable screw terminal blocks for wires up to 2,5 mm²; by request (default in EV3 RS)       Micro-MaTch connector         Maximum permitted length for connection cables       Imevable screw terminal blocks for wires up to 2,5 mm²; by request (default in EV3 RS)       Micro-MaTch connector         Maximum permitted length for connection cables       Power supply: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Operating temperature       From 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from -13 to 158 °F)       Relative humidity without condensate 10 to 90%         Pollution status of the control device       2       2       Conformity         ReACH (EC) Regulation 1907/2006       LVD 2014/35/UE       Power supply         115 230 VAC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3), max. 4 VA/3 W in EV3 N3), covid a SELV class 2 source       Earthing methods for the control device       None         Rated impulse-withstand voltage       2,5 KV (4 KV in EV3 N3).       Cock drift       ≤ 60 s/month at 25 °C (77 °F)         Clock drift       ≤ 60 s/month at 25 °C (77 °F)       Clock drift       ≤ 60 s/month at 25 °C (77 °F)         Clock drift       ≤ 2 for PTC or NTC probes
Ing       Connection method         Fixed screw terminal blocks for wires up to 2,5 mm²       Removable screw terminal blocks for wires up to 2,5 mm²; by request (default in EV3 RS)       Micro-MaTch connector 0,5 mm²; by request (default in EV3 RS)         Maximum permitted length for connection cables       Analogue inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Operating temperature       From 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from -13 to 158 °F)         Storage temperature       From 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from -13 to 158 °F)         Operating humidity       Relative humidity without condensate 10 to 90%         Pollution status of the control device       2         Conformity       Relative humidity without condensate 10 to 90%         Pollution status of the control device       12-24 VAC/DC (+10% -15%), 50/60 Hz (±3 42), max. 3.2 VA insulated in EV3 N9         RACH (EC) Regulation 1907/2006       LVD 2014/35/UE         Power supply       I15 230 VAC (+10% -15%), 50/60 Hz (±3 42), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 source         Earthing methods for the control device       None         Rated impulse-withstand voltage       2,5 KV (4 KV in EV3 N3).         Over-voltage category       II (II in EV3 RS and EV3 RY)         Clock dri
Connection methodFixed screw terminal blocks for wires up to 2,5 mm²Removable screw terminal blocks for wires up to 2,5 mm² by request (default in EV3 RS)Micro-MaTch connector blocks for wires up to 2,5 mm² by request (default in EV3 RS)Maximum permitted length for connection cablesPower supply: 10 m (32.8 ft)Analogue inputs: 10 m (32.8 ft)Digital inputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)Solvage temperatureFrom 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from 32 a 122 °F) in EV3 NStorage temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityWEEE 2012/19/EUREACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supplyT15 230 VAC (+10% -15%), 50/60 Hz (±3H2), max. 3.2 VA insulated in EV3 N912-24 VAC/DC (+10% -15%), 50/60 HH2), max. 3.2 VA insulated in EV3 N9SELV class 2 sourceSoftware class and structureAClockIncorporated secondary lithium to (available in EV3 RS)Clock drift $\leq$ 60 s/month at 25 °C (77 °F)Clock battery autonomy in the absence of a power supplyClock battery charging time24 h (the battery is charged by the supply of the device)PTC probesSensor typeKTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -50 to 150 °C (from -58 to 302 °F Resolution0.1 °C (1 °F)Masurement fieldFrom -40 to 105 °C (from -4
Fixed screw terminal blocks for wires up to 2,5 mm <sup>2</sup> Removable screw terminal blocks for wires up to 2,5 mm <sup>2</sup> ; by request (default in EV3 RS)       Micro-MaTch connector         Maximum permitted length for connection cables       Analogue inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Doperating temperature       From 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from -13 to 158 °F)         Operating temperature       From -25 to 70 °C (from -13 to 158 °F)         Pollution status of the control device       2         Conformity       Relative humidity without condensate 10 to 90%         Power supply       To 12.2 °F) in EV3 N         Power supply       To 2.2 °C (from -13 to 158 °F)         Pollution status of the control device       2         Conformity       Relative humidity without condensate 10 to 90%         Power supply       To 12.2 °C (from 32.2 °C (from -13 to 158 °F)         Power supply       To 2.2 °C (from -13 to 158 °F)         Distal on 1907/2006       LVD 2014/35/UE         Power supply       Earthing methods for the control device         None       Relative humidity without condensate 10 to 90%         Cock       Incorporated secondary lithium to (available in EV3 N3).         Over-voltage category
Fixed screw terminal blocks for wires up to 2,5 mm <sup>2</sup> Removable screw terminal blocks for wires up to 2,5 mm <sup>2</sup> ; by request (default in EV3 RS)       Micro-MaTch connector         Maximum permitted length for connection cables       Analogue inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         Doperating temperature       From 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from -13 to 158 °F)         Operating temperature       From -25 to 70 °C (from -13 to 158 °F)         Pollution status of the control device       2         Conformity       Relative humidity without condensate 10 to 90%         Power supply       To 12.2 °F) in EV3 N         Power supply       To 2.2 °C (from -13 to 158 °F)         Pollution status of the control device       2         Conformity       Relative humidity without condensate 10 to 90%         Power supply       To 12.2 °C (from 32.2 °C (from -13 to 158 °F)         Power supply       To 2.2 °C (from -13 to 158 °F)         Distal on 1907/2006       LVD 2014/35/UE         Power supply       Earthing methods for the control device         None       Relative humidity without condensate 10 to 90%         Cock       Incorporated secondary lithium to (available in EV3 N3).         Over-voltage category
for wires up to 2,5 mm²       blocks for wires up to 2,5 mm²; by request (default in EV3 RS)         Maximum permitted length for connection cables         Power supply: 10 m (32.8 ft)       Analogue inputs: 10 m (32.8 ft)         Digital inputs: 10 m (32.8 ft)       Digital outputs: 10 m (32.8 ft)         RS-485 MODBUS port: 1,000 m (3,280 ft)       Digital outputs: 10 m (32.8 ft)         Operating temperature       From 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from 32 a 122 °F) in EV3 N3         Storage temperature       From -25 to 70 °C (from -13 to 158 °F)         Operating humidity       Relative humidity without condensate 10 to 90%         Pollution status of the control device       2         Conformity       WEEE 2012/19/EU         REACH (EC) Regulation 1907/2006       LVD 2014/35/UE         Power supply       T15 230 VAC (+10% -15%), 50/60 Hz (±3 12-24 VAC/DC (+10% -15%), 50/60 Ft Hz), max. 3.2 VA insulated in EV3 N9         Rated impulse-withstand voltage       2,5 KV (4 KV in EV3 N3).         Over-voltage category       II (III in EV3 N3).         Software class and structure       A         Clock       Incorporated secondary lithium to (available in EV3 R)         Clock battery autonomy in the absence of a power supply       > 24 h at 25 °C (77 °F)         Clock battery autonomy in the absence of a power supply of the device)       > 24 h at 25 °C (77 °F)
2,5 mm²; by request (default in EV3 RS)Maximum permitted length for connection cablesPower supply: 10 m (32.8 ft)Analogue inputs: 10 m (32.8 ft)Digital inputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)Digital inputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)Operating temperatureFrom 0 to 55 °C (from 32 to 131 °F); ft to 50 °C (from 32 a 122 °F) in EV3 NStorage temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityRelative humidity without condensate 10 to 90%RACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supplyT15 230 VAC (+10% -15%), 50/60 Hz (±3 1224 VAC/DC (+10% -15%), 50/60 Ft H2), max. 3.2 VA insulated in EV3 N9 As 2.2 VA insulated in EV3 N9 Software class and structureAClockIncorporated secondary lithium to (available in EV3 N3).Software class and structureAClock drift< 60 s/month at 25 °C (77 °F)
Maximum permitted length for connection cablesPower supply: 10 m (32.8 ft)Analogue inputs: 10 m (32.8 ft)Digital inputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)RS-485 MODBUS port: 1,000 m (3,280 ft)Digital outputs: 10 m (32.8 ft)Operating temperatureFrom 0 to 55 °C (from 32 to 131 °F): ftto 50 °C (from 32 a 122 °F) in EV3 NStorage temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityConformityReACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supply112-24 VAC/DC (+10% -15%), 50/60 Hz (±3 12-24 VAC/DC (+10% -15%), 50/60 FHz), max. 3.2 VA insulated in EV3 N912-24 VAC/DC (+10% -15%), 50/60 HzEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClockIncorporated secondary lithium to (available in EV3 RS and EV3 RV)Clock battery autonomy in the absence of a power supply> 24 h at 25 °C (77 °F)Clock battery charging time24 h (the battery is charged by the supply of the device)Analogue inputs2 for PTC or NTC probes (cabinet prot evaporator probe)PTC probesSensor typeKTX 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -40 to 105 °C (from -40 to 221 °FResolution0.1 °C (1 °F)NTC probesSensor type
Maximum permitted length for connection cablesPower supply: 10 m (32.8 ft)Analogue inputs: 10 m (32.8 ft)Digital inputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)RS-485 MODBUS port: 1,000 m (3,280 ft)Digital outputs: 10 m (32.8 ft)Operating temperatureFrom 0 to 55 °C (from 32 to 131 °F): ftto 50 °C (from 32 a 122 °F) in EV3 NStorage temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityConformityReACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supply112-24 VAC/DC (+10% -15%), 50/60 Hz (±3 12-24 VAC/DC (+10% -15%), 50/60 FHz), max. 3.2 VA insulated in EV3 N912-24 VAC/DC (+10% -15%), 50/60 HzEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClockIncorporated secondary lithium to (available in EV3 RS and EV3 RV)Clock battery autonomy in the absence of a power supply> 24 h at 25 °C (77 °F)Clock battery charging time24 h (the battery is charged by the supply of the device)Analogue inputs2 for PTC or NTC probes (cabinet prot evaporator probe)PTC probesSensor typeKTX 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -40 to 105 °C (from -40 to 221 °FResolution0.1 °C (1 °F)NTC probesSensor type
Power supply: 10 m (32.8 ft)Analogue inputs: 10 m (32.8 ft)Digital inputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)RS-485 MODBUS port: 1,000 m (3,280 ft)From 0 to 55 °C (from 32 to 131 °F): fto 50 °C (from 32 to 131 °F): fto 50 °C (from 32 to 131 °F): fto 50 °C (from -13 to 158 °F)Operating temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityWEEE 2012/19/EUREACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supplyU115 230 VAC (+10% -15%), 50/60 Hz (±3)12-24 VAC/DC (+10% -15%), 50/60 HzHz), max. 3.2 VA insulated in EV3 N9Hz), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 sourceEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClock drift< 60 s/month at 25 °C (77 °F)
Digital inputs: 10 m (32.8 ft)Digital outputs: 10 m (32.8 ft)RS-485 MODBUS port: 1,000 m (3,280 ft)Operating temperatureFrom 0 to 55 °C (from 32 to 131 °F): ft to 50 °C (from 32 a 122 °F) in EV3 NStorage temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityWEEE 2012/19/EUREACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supply115 230 VAC (+10% -15%), 50/60 Hz (±3 115 230 VAC (+10% -15%), 50/60 Hz (±3 12 NA)Hz), max. 3.2 VA insulated in EV3 N912-24 VAC/DC (+10% -15%), 50/60 Hz Hz), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 sourceEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClockIncorporated secondary lithium to (available in EV3 RS and EV3 RV)Clock drift $\leq$ 60 s/month at 25 °C (77 °F)Clock battery autonomy in the absence of a power supply> 24 h at 25 °C (77 °F)Clock battery charging time24 h (the battery is charged by the supply of the device)PTC probesSensor typeKTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -50 to 150 °C (from -68 to 302 °F ResolutionNTC probesSensor typeB3335 (10 K: $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -40 to 105 °C (from -40 to 221 °F ResolutionNTC probesS
RS-485 MODBUS port: 1,000 m (3,280 ft)Operating temperatureFrom 0 to 55 °C (from 32 to 131 °F): ft to 50 °C (from 32 a 122 °F) in EV3 NStorage temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityRelative humidity without condensate 10 to 90%RoHS 2011/65/CEWEEE 2012/19/EUREACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supply115 230 VAC (+10% -15%), 50/60 Hz (±3 Hz), max. 3.2 VA insulated in EV3 N9Hz), max. 3.2 VA insulated in EV3 N912-24 VAC/DC (+10% -15%), 50/60 F Hz), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 sourceEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClockIncorporated secondary lithium bt (available in EV3 RS and EV3 RV)Clock battery autonomy in the absence of a power supply> 24 h (the battery is charged by the supply of the device)Analogue inputs2 for PTC or NTC probes (cabinet prob evaporator probe)PTC probesSensor typeKTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -50 to 150 °C (from -58 to 302 °F ResolutionNTC probesSensor typeB3435 (10 K $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -40 to 105 °C (from -40 to 221 °F ResolutionNTC robesSensor typeB3435 (10 K $\Omega$ @ 25 °C, 7
Operating temperatureFrom 0 to 55 °C (from 32 to 131 °F): f to 50 °C (from 32 a 122 °F) in EV3 NStorage temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityRelative humidity without condensate 10 to 90%RoHS 2011/65/CEWEEE 2012/19/EUREACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supply115 230 VAC (+10% -15%), 50/60 Hz (±3 Hz), max. 3.2 VA insulated in EV3 N9 a SELV class 2 sourceEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClockIncorporated secondary lithium b (available in EV3 RS and EV3 RV)Clock drift $\leq$ 60 s/month at 25 °C (77 °F)Clock battery autonomy in the absence of a power supply> 24 h (the battery is charged by the supply of the device)Analogue inputs2 for PTC or NTC probes (cabinet prob evaporator probe)PTC probesSensor typeKrypeKTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -50 to 150 °C (from -58 to 302 °F ResolutionNTC probesSensor typeSensor typeB3435 (10 K $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -40 to 105 °C (from -40 to 221 °F ResolutionResolution0.1 °C (1 °F)
to 50 °C (from 32 a 122 °F) in EV3 NStorage temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityReserve the control deviceRoHS 2011/65/CEWEEE 2012/19/EUREACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supply115 230 VAC (+10% -15%), 50/60 Hz (±3 Hz), max. 3.2 VA insulated in EV3 N9 B2LV class 2 sourceEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryI1 (III in EV3 N3).Software class and structureAClockIncorporated secondary lithium b (available in EV3 RS and EV3 RV)Clock drift< 60 s/month at 25 °C (77 °F)
Storage temperatureFrom -25 to 70 °C (from -13 to 158 °F)Operating humidityRelative humidity without condensate 10 to 90%Pollution status of the control device2ConformityResolution statusRRACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supply115 230 VAC (+10% -15%), 50/60 Hz (±3 Hz), max. 3.2 VA insulated in EV3 N9 Batch in EV3 N912-24 VAC/DC (+10% -15%), 50/60 F Hz), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 sourceBarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClock drift $\leq$ 60 s/month at 25 °C (77 °F)Clock battery autonomy in the absence of a power supply24 h (the battery is charged by the supply of the device)Analogue inputs2 for PTC or NTC probes (cabinet prot evaporator probe)PTC probesSensor typeKTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -50 to 150 °C (from -58 to 302 °F ResolutionNTC probesSensor typeB3435 (10 K: $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -40 to 105 °C (from -40 to 221 °F ResolutionNTC (1 °F)Sensor typeResolution0.1 °C (1 °F)Sensor type
Operating humidity         Relative humidity without condensate 10 to 90%           Pollution status of the control device         2           Conformity         Reactive humidity without condensate 10 to 90%           RoHS 2011/65/CE         WEEE 2012/19/EU           REACH (EC) Regulation 1907/2006         LVD 2014/35/UE           Power supply         115 230 VAC (+10% -15%), 50/60 Hz (±3 12-24 VAC/DC (+10% -15%), 50/60 Hz (±3 12-24 VAC/DC (+10% -15%), 50/60 Hz (±3 12), max. 3.2 VA insulated in EV3 N9         12-24 VAC/DC (+10% -15%), 50/60 Hz (±3 12), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 source           Earthing methods for the control device         None         Rated impulse-withstand voltage         2,5 KV (4 KV in EV3 N3).           Over-voltage category         II (III in EV3 N3).         Over-voltage category         II (III in EV3 N3).           Software class and structure         A         A         Clock         Incorporated secondary lithium the (available in EV3 R5 and EV3 RV)           Clock drift         < 60 s/month at 25 °C (77 °F)
10 to 90%Pollution status of the control device2ConformityRoHS 2011/65/CEWEEE 2012/19/EUREACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supply115 230 VAC (+10% -15%), 50/60 Hz (±312-24 VAC/DC (+10% -15%), 50/60 Hz (±3)Hz), max. 3.2 VA insulated in EV3 N9Hz), max. 3.2 VA insulated in EV3 N9Hz), max. 3.2 VA insulated in EV3 N9Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Control deviceNoneRated impulse-withstand voltage0,25 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClock drift≤ 60 s/month at 25 °C (77 °F)Clock battery autonomy in the absence of a power supplyClock battery charging time24 h (the battery is charged by the supply of the device)Analogue inputsSensor typeKTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -50 to 150 °C (from -58 to 302 °FResolution0.1 °C (1 °F)NTC probesSensor typeSensor typeSensor typeSensor type <td< td=""></td<>
Pollution status of the control device2ConformityERoHS 2011/65/CEWEEE 2012/19/EUREACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supplyT115 230 VAC (+10% -15%), 50/60 Hz (±312-24 VAC/DC (+10% -15%), 50/60 Hz), max. 3.2 VA insulated in EV3 N9Hz), max. 3.2 VA insulated in EV3 N9Hz), max. 4 VA/3 W in EV3 N3, provide a SELV class 2 sourceEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClockIncorporated secondary lithium bt (available in EV3 RS and EV3 RV)Clock drift≤ 60 s/month at 25 °C (77 °F)Clock battery autonomy in the absence of a power supply> 24 h (the battery is charged by the supply of the device)Analogue inputs2 for PTC or NTC probes (cabinet prot evaporator probe)PTC probesSensor typeKTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -50 to 150 °C (from -58 to 302 °F ResolutionNTC probesSensor typeB3435 (10 K $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -40 to 105 °C (from -40 to 221 °FResolution0.1 °C (1 °F)
Conformity         RoHS 2011/65/CE       WEEE 2012/19/EU         REACH (EC) Regulation 1907/2006       LVD 2014/35/UE         Power supply       112-24 VAC/DC (+10% -15%), 50/60 F         Hz), max. 3.2 VA insulated in EV3 N9       12-24 VAC/DC (+10% -15%), 50/60 F         Hz), max. 3.2 VA insulated in EV3 N9       Hz), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 source         Earthing methods for the control device       None         Rated impulse-withstand voltage       2,5 KV (4 KV in EV3 N3).         Over-voltage category       II (III in EV3 N3).         Software class and structure       A         Clock       Incorporated secondary lithium th (available in EV3 RS and EV3 RV)         Clock drift       ≤ 60 s/month at 25 °C (77 °F)         Clock battery autonomy in the absence of a power supply       > 24 h (the battery is charged by the supply of the device)         Analogue inputs       2 for PTC or NTC probes (cabinet prot evaporator probe)         PTC probes       Sensor type       KTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -58 to 302 °F         Resolution       0.1 °C (1 °F)
RoHS 2011/65/CEWEEE 2012/19/EUREACH (EC) Regulation 1907/2006LVD 2014/35/UEPower supplyLVD 2014/35/UE115 230 VAC (+10% -15%), 50/60 Hz (±3 Hz), max. 3.2 VA insulated in EV3 N9 B 2LV class 2 source12-24 VAC/DC (+10% -15%), 50/60 F Hz), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 sourceEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClockIncorporated secondary lithium b (available in EV3 RS and EV3 RV)Clock drift $\leq$ 60 s/month at 25 °C (77 °F)Clock battery autonomy in the absence of a power supply> 24 h (the battery is charged by the supply of the device)Analogue inputs2 for PTC or NTC probes (cabinet prob evaporator probe)PTC probesSensor typeKTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F) Measurement fieldNTC probesSensor typeB3435 (10 K $\Omega$ @ 25 °C, 77 °F) Measurement fieldFrom -40 to 105 °C (from -40 to 221 °F Resolution0.1 °C (1 °F)
REACH (EC) Regulation 1907/2006       LVD 2014/35/UE         Power supply       115 230 VAC (+10% -15%), 50/60 Hz (±3)       12-24 VAC/DC (+10% -15%), 50/60 F         Hz), max. 3.2 VA insulated in EV3 N9       Hz), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 source         Earthing methods for the control device       None         Rated impulse-withstand voltage       2,5 KV (4 KV in EV3 N3).         Over-voltage category       II (III in EV3 N3).         Software class and structure       A         Clock       Incorporated secondary lithium bt (available in EV3 RS and EV3 RV)         Clock drift       < 60 s/month at 25 °C (77 °F)
Power supply         115 230 VAC (+10% -15%), 50/60 Hz (±3)         115 230 VAC (+10% -15%), 50/60 Hz (±3)         Hz), max. 3.2 VA insulated in EV3 N9         Hz), max. 3.2 VA insulated in EV3 N9         Hz), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 source         Barthing methods for the control device         Rated impulse-withstand voltage         Q.5 KV (4 KV in EV3 N3).         Over-voltage category         III (III in EV3 N3).         Software class and structure         A         Clock         Incorporated secondary lithium b (available in EV3 RS and EV3 RV)         Clock drift         Clock battery autonomy in the absence of a power supply         Clock battery charging time         24 h (the battery is charged by the supply of the device)         Analogue inputs         PTC probes         Sensor type       KTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -58 to 302 °F         Resolution       0.1 °C (1 °F)         NTC probes       Sensor type       B3435 (10 K: $\Omega$ @ 25 °C, 77 °F)         Measurement field       From -40 to 105 °C (from -40 to 221 °F         Resolution       0.1 °C (1 °F)
115 230 VAC (+10% -15%), 50/60 Hz (±3       12-24 VAC/DC (+10% -15%), 50/60 H         Hz), max. 3.2 VA insulated in EV3 N9       Hz), max. 4 VA/3 W in EV3 N3, provide a SELV class 2 source         Barthing methods for the control device       None         Rated impulse-withstand voltage       2,5 KV (4 KV in EV3 N3).         Over-voltage category       II (III in EV3 N3).         Software class and structure       A         Clock       Incorporated secondary lithium bt (available in EV3 RS and EV3 RV)         Clock drift       ≤ 60 s/month at 25 °C (77 °F)         Clock battery autonomy in the absence of a power supply       > 24 h at 25 °C (77 °F)         Clock battery charging time       24 h (the battery is charged by the supply of the device)         Analogue inputs       2 for PTC or NTC probes (cabinet protevaporator probe)         PTC probes       Sensor type       KTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -58 to 302 °F         Resolution       0.1 °C (1 °F)         NTC probes       Sensor type       B3435 (10 K: $\Omega$ @ 25 °C, 77 °F)         Measurement field       From -40 to 105 °C (from -40 to 221 °F         Resolution       0.1 °C (1 °F)
Hz), max. 3.2 VA insulated in EV3 N9Hz), max. 4 VA/3 W in EV3 N3, provid a SELV class 2 sourceEarthing methods for the control deviceNoneRated impulse-withstand voltage2,5 KV (4 KV in EV3 N3).Over-voltage categoryII (III in EV3 N3).Software class and structureAClockIncorporated secondary lithium b (available in EV3 RS and EV3 RV)Clock drift $\leq$ 60 s/month at 25 °C (77 °F)Clock battery autonomy in the absence of a power supply> 24 h at 25 °C (77 °F)Clock battery charging time24 h (the battery is charged by the supply of the device)Analogue inputs2 for PTC or NTC probes (cabinet prot evaporator probe)PTC probesSensor typeKTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)Measurement fieldFrom -50 to 150 °C (from -58 to 302 °F ResolutionNTC probesSensor typeBastraction0.1 °C (1 °F)Measurement fieldFrom -40 to 105 °C (from -40 to 221 °F ResolutionResolution0.1 °C (1 °F)
a SELV class 2 source         Earthing methods for the control device       None         Rated impulse-withstand voltage       2,5 KV (4 KV in EV3 N3).         Over-voltage category       II (III in EV3 N3).         Software class and structure       A         Clock       Incorporated secondary lithium the (available in EV3 RS and EV3 RV)         Clock drift       ≤ 60 s/month at 25 °C (77 °F)         Clock battery autonomy in the absence of a power supply       > 24 h at 25 °C (77 °F)         Clock battery charging time       24 h (the battery is charged by the supply of the device)         Analogue inputs       2 for PTC or NTC probes (cabinet protevaporator probe)         PTC probes       Sensor type       KTY 81-121 (990 Ω @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -58 to 302 °F         Resolution       0.1 °C (1 °F)         NTC probes       Sensor type       B3435 (10 K Ω @ 25 °C, 77 °F)         Measurement field       From -40 to 105 °C (from -40 to 221 °F         Resolution       0.1 °C (1 °F)
Earthing methods for the control device     None       Rated impulse-withstand voltage     2,5 KV (4 KV in EV3 N3).       Over-voltage category     II (III in EV3 N3).       Software class and structure     A       Clock     Incorporated secondary lithium b (available in EV3 RS and EV3 RV)       Clock drift     ≤ 60 s/month at 25 °C (77 °F)       Clock battery autonomy in the absence of a power supply     > 24 h at 25 °C (77 °F)       Clock battery charging time     24 h (the battery is charged by the supply of the device)       Analogue inputs     2 for PTC or NTC probes (cabinet prot evaporator probe)       PTC probes     Sensor type       KTY 81-121 (990 Ω @ 25 °C, 77 °F)       Measurement field     From -50 to 150 °C (from -58 to 302 °F       Resolution     0.1 °C (1 °F)       NTC probes     Sensor type       Ba3435 (10 K Ω @ 25 °C, 77 °F)       Measurement field     From -40 to 105 °C (from -40 to 221 °F       Resolution     0.1 °C (1 °F)
Rated impulse-withstand voltage       2,5 KV (4 KV in EV3 N3).         Over-voltage category       II (III in EV3 N3).         Software class and structure       A         Clock       Incorporated secondary lithium to (available in EV3 RS and EV3 RV)         Clock drift       ≤ 60 s/month at 25 °C (77 °F)         Clock battery autonomy in the absence of a power supply       > 24 h at 25 °C (77 °F)         Clock battery charging time       24 h (the battery is charged by the supply of the device)         Analogue inputs       2 for PTC or NTC probes (cabinet probe)         PTC probes       Sensor type       KTY 81-121 (990 Ω @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -80 to 22 °F, 77 °F)         Measurement field       From -40 to 105 °C (from -40 to 221 °F, Resolution         NTC probes       Sensor type       B3435 (10 K Ω @ 25 °C, 77 °F)         Measurement field       From -40 to 105 °C (from -40 to 221 °F, Resolution         NTC probes       Sensor type       B3435 (10 K Ω @ 25 °C, 77 °F)
Over-voltage category     II (III in EV3 N3).       Software class and structure     A       Clock     Incorporated secondary lithium the (available in EV3 RS and EV3 RV)       Clock drift     ≤ 60 s/month at 25 °C (77 °F)       Clock battery autonomy in the absence of a power supply     > 24 h at 25 °C (77 °F)       Clock battery charging time     24 h (the battery is charged by the supply of the device)       Analogue inputs     2 for PTC or NTC probes (cabinet proble)       PTC probes     Sensor type       KTC probes     Sensor type       Sensor type     B3435 (10 K□Ω @ 25 °C, 77 °F)       Measurement field     From -40 to 105 °C (from -40 to 221 °F)       Resolution     0.1 °C (1 °F)
Software class and structure     A       Clock     Incorporated secondary lithium is (available in EV3RS and EV3RV)       Clock drift     ≤ 60 s/month at 25 °C (77 °F)       Clock battery autonomy in the absence of a power supply     > 24 h at 25 °C (77 °F)       Clock battery charging time     24 h (the battery is charged by the supply of the device)       Analogue inputs     2 for PTC or NTC probes (cabinet prot evaporator probe)       PTC probes     Sensor type     KTY 81-121 (990 Ω @ 25 °C, 77 °F)       Measurement field     From -50 to 150 °C (from -58 to 302 °F Resolution       NTC probes     Sensor type     B3435 (10 K□Ω @ 25 °C, 77 °F)       Measurement field     From -40 to 105 °C (from -40 to 221 °F Resolution       0.1 °C (1 °F)     0.1 °C (1 °F)
Clock       Incorporated secondary lithium to (available in EV3 RS and EV3 RV)         Clock drift       ≤ 60 s/month at 25 °C (77 °F)         Clock battery autonomy in the absence of a power supply       > 24 h at 25 °C (77 °F)         Clock battery charging time       24 h (the battery is charged by the supply of the device)         Analogue inputs       2 for PTC or NTC probes (cabinet protevaporator probe)         PTC probes       Sensor type       KTY 81-121 (990 Ω @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -58 to 302 °F)         Resolution       0.1 °C (1 °F)         NTC probes       Sensor type       B3435 (10 K□Ω @ 25 °C, 77 °F)         Measurement field       From -40 to 105 °C (from -40 to 221 °F)         Resolution       0.1 °C (1 °F)
(available in EV3 RS and EV3 RV)         Clock drift         Clock drift $\leq$ 60 s/month at 25 °C (77 °F)         Clock battery autonomy in the absence of a power supply       > 24 h at 25 °C (77 °F)         Clock battery charging time       24 h (the battery is charged by the supply of the device)         Analogue inputs       2 for PTC or NTC probes (cabinet protevaporator probe)         PTC probes       Sensor type       KTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -58 to 302 °F         Resolution       0.1 °C (1 °F)         NTC probes       Sensor type       B3435 (10 K $\Omega$ @ 25 °C, 77 °F)         Measurement field       From -40 to 105 °C (from -40 to 221 °F         Resolution       0.1 °C (1 °F)
Clock drift $\leq$ 60 s/month at 25 °C (77 °F)         Clock battery autonomy in the absence of a power supply       > 24 h at 25 °C (77 °F)         Clock battery charging time       24 h (the battery is charged by the supply of the device)         Analogue inputs       24 h (the battery is charged by the supply of the device)         PTC probes       Sensor type       KTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -58 to 302 °F         Resolution       0.1 °C (1 °F)         Measurement field       From -40 to 105 °C (from -40 to 221 °F         Resolution       0.1 °C (1 °F)
Clock battery autonomy in the absence of a power supply       > 24 h at 25 °C (77 °F)         Clock battery charging time       24 h (the battery is charged by the supply of the device)         Analogue inputs       2 for PTC or NTC probes (cabinet protevaporator probe)         PTC probes       Sensor type       KTY 81-121 (990 $\Omega$ @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -58 to 302 °F         Resolution       0.1 °C (1 °F)         Measurement field       From -40 to 105 °C (from -40 to 221 °F         Resolution       0.1 °C (1 °F)
power supply     24 h (the battery is charged by the supply of the device)       Analogue inputs     2 for PTC or NTC probes (cabinet protevaporator probe)       PTC probes     Sensor type     KTY 81-121 (990 Ω @ 25 °C, 77 °F)       Measurement field     From -50 to 150 °C (from -58 to 302 °F       Resolution     0.1 °C (1 °F)       NTC probes     Sensor type       B3435 (10 K□Ω @ 25 °C, 77 °F)       Measurement field     From -40 to 105 °C (from -40 to 221 °F       Resolution     0.1 °C (1 °F)
Clock battery charging time     24 h (the battery is charged by the supply of the device)       Analogue inputs     2 for PTC or NTC probes (cabinet protevaporator probe)       PTC probes     Sensor type     KTY 81-121 (990 Ω @ 25 °C, 77 °F)       Measurement field     From -50 to 150 °C (from -58 to 302 °F       Resolution     0.1 °C (1 °F)       NTC probes     Sensor type     B3435 (10 K□Ω @ 25 °C, 77 °F)       Measurement field     From -40 to 105 °C (from -40 to 221 °F       Resolution     0.1 °C (1 °F)
Analogue inputs     2 for PTC or NTC probes (cabinet protevaporator probe)       PTC probes     Sensor type     KTY 81-121 (990 Ω @ 25 °C, 77 °F)       Measurement field     From -50 to 150 °C (from -58 to 302 °F)       NTC probes     Sensor type     B3435 (10 K Ω @ 25 °C, 77 °F)       Measurement field     From -40 to 105 °C (from -40 to 221 °F)       Resolution     0.1 °C (1 °F)
Analogue inputs     2 for PTC or NTC probes (cabinet protevaporator probe)       PTC probes     Sensor type     KTY 81-121 (990 Ω @ 25 °C, 77 °F)       Measurement field     From -50 to 150 °C (from -58 to 302 °F)       NTC probes     Sensor type     B3435 (10 K Ω @ 25 °C, 77 °F)       Measurement field     From -40 to 105 °C (from -40 to 221 °F)       Resolution     0.1 °C (1 °F)
Analogue inputs       2 for PTC or NTC probes (cabinet protevaporator probe)         PTC probes       Sensor type       KTY 81-121 (990 Ω @ 25 °C, 77 °F)         Measurement field       From -50 to 150 °C (from -58 to 302 °F         Resolution       0.1 °C (1 °F)         NTC probes       Sensor type         Measurement field       From -40 to 105 °C (from -40 to 221 °F         Measurement field       From -40 to 105 °C (from -40 to 221 °F         Measurement field       From -40 to 105 °C (from -40 to 221 °F         Resolution       0.1 °C (1 °F)
evaporator probe           PTC probes         Sensor type         KTY 81-121 (990 Ω @ 25 °C, 77 °F)           Measurement field         From -50 to 150 °C (from -58 to 302 °F           Resolution         0.1 °C (1 °F)           NTC probes         Sensor type         ß3435 (10 K Ω @ 25 °C, 77 °F)           Measurement field         From -40 to 105 °C (from -40 to 221 °F           Resolution         0.1 °C (1 °F)
PTC probes         Sensor type         KTY 81-121 (990 Ω @ 25 °C, 77 °F)           Measurement field         From -50 to 150 °C (from -58 to 302 °F           Resolution         0.1 °C (1 °F)           NTC probes         Sensor type           Basurement field         From -40 to 105 °C (from -40 to 221 °F           Resolution         0.1 °C (1 °F)           Measurement field         From -40 to 105 °C (from -40 to 221 °F           Resolution         0.1 °C (1 °F)
Measurement field         From -50 to 150 °C (from -58 to 302 °F           Resolution         0.1 °C (1 °F)           NTC probes         Sensor type         B3435 (10 K Ω @ 25 °C, 77 °F)           Measurement field         From -40 to 105 °C (from -40 to 221 °F           Resolution         0.1 °C (1 °F)
Resolution         0.1 °C (1 °F)           NTC probes         Sensor type         B3435 (10 K Ω @ 25 °C, 77 °F)           Measurement field         From -40 to 105 °C (from -40 to 221 °F)           Resolution         0.1 °C (1 °F)
NTC probes         Sensor type         β3435 (10 K Ω @ 25 °C, 77 °F)           Measurement field         From -40 to 105 °C (from -40 to 221 °F)           Resolution         0.1 °C (1 °F)
Measurement field         From -40 to 105 °C (from -40 to 221 °F           Resolution         0.1 °C (1 °F)
Resolution 0.1 °C (1 °F)
Digital inputs 1 dry contact (door switch/multi-purpos
Dry contact Contact type 5 VDC, 1.5 mA
Power supply None
Protection None
Other inputs Input configurable for analogue input (auxiliary probe) ( ital input (door switch/multi-purpose input)
ital input (door switch/multi-purpose input)
Digital outputs 4 electro-mechanical relays (compressor, defrost, evap
fan and auxiliary relay) In EV3 N3 the maximum total current allowed o
loads is 15 A
Compressor relay (K1) SPST, 16 A res. @ 250 VAC
Defrost relay (K2) SPST, 8 A res. @ 250 VAC; SPDT, 8 A
250 VAC in EV3 N3
Evaporator fan relay (K3) SPST, 5 A res. @ 250 VAC; SPST, 2 A
250 VAC (30,000 cycles) in EV3 N3
Auxiliary relay (K4) SPST, 5 A res. @ 250 VAC; SPDT, 16
@ 250 VAC in EV3 N3
Type 1 or Type 2 Actions Type 1
Type 1 or Type 2 Actions         Type 1           Additional features of Type 1 or Type 2 ac-         C
Type 1 or Type 2 Actions     Type 1       Additional features of Type 1 or Type 2 ac- tions     C
Type 1 or Type 2 Actions     Type 1       Additional features of Type 1 or Type 2 actions     C       Displays     3 digits custom display, with function icc
Type 1 or Type 2 Actions     Type 1       Additional features of Type 1 or Type 2 ac- tions     C       Displays     3 digits custom display, with function ice Incorporated
Type 1 or Type 2 Actions     Type 1       Additional features of Type 1 or Type 2 actions     C       Displays     3 digits custom display, with function icc       Alarm buzzer     Incorporated       Incorporated sensors:     Bluetooth Low Energy (available in
Type 1 or Type 2 Actions     Type 1       Additional features of Type 1 or Type 2 actions     C       Displays     3 digits custom display, with function icc       Alarm buzzer     Incorporated       Incorporated sensors:     Bluetooth Low Energy (available in RV).
Type 1 or Type 2 Actions     Type 1       Additional features of Type 1 or Type 2 actions     C       Displays     3 digits custom display, with function icc       Alarm buzzer     Incorporated       Incorporated sensors:     Bluetooth Low Energy (available in

					if compressor on
					3 = thermoregulated (with
					F1)
					4 = thermoregulated (with
					F1) if compressor on
	63	F1	-4.0	threshold for evaporator fan op-	-99 99 °C/°F
				eration	differential = 1 °C/2 °F
	64	F2	0	evaporator fan mode during de-	0 = off $1 = on$
				frost and dripping	2 = according to F0
	65	F3	2	evaporator fan off maximum	0 15 min
				time	
R	66	F4	0	evaporator fan off time during	0 240 s x 10
50				energy saving	
	67	F5	10	evaporator fan on time during	0 240 s x 10
				energy saving	
	68	F7	5.0	threshold for evaporator fan on	-99 99 °C/°F
				after dripping (relative to set-	setpoint + F7
				point)	
	69	F9	0	evaporator fan off delay after	0 240 s
				compressor off	if FO = 2
	70	F11	15.0	threshold for condenser fan on	0 99 °C/°F
					differential = 2 °C/4 °F
	71	F12	30	condenser fan off delay after	0 240 s
				compressor off	if P4 ≠ 1
	72	F15	0	evaporator fan off time with	0 240 s
				compressor off	if F0 = 2
	73	F16	1	evaporator fan on time with	0 240 s
				compressor off	if F0 = 2

EPoCA remote monitoring system or for BMS (not available in EV3... RS and EV3... RV), 1 RS-485 MODBUS slave port for EPoCA remote monitoring system, EV3 200 Web or for BMS (available in EV3... RS)

## 10 SIMPLIFIED EU DECLARATION OF CONFORMITY

EVCO S.p.A. declares that the type of radio equipment:

- EV3294N9ERXRV

complies with directive 2014/53/EU and directive 2011/65/EU.

The full text of the EU declaration of conformity is available at the following internet address: https://www.evco.it/en/16087-ev3-200

For EV3... RV 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. EVCO S.p.A. | EV3294 | Instruction sheet ver. 2.0 | Code 1043294E203 | Page 3 of 4 | PT 37/22

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

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