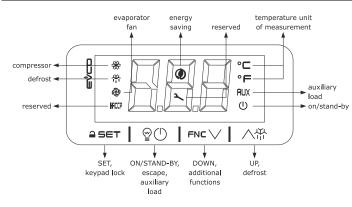
EVCO S.p.A.   EV3B73/EV3B83   Instruction sheet ver. 1.0   Code 1043B73E103   Page 1 of 3   PT 44/24		Controlle	ers for refrige	rated units,						<b>≜</b>
EV3B73/EV3B83 with co	ompr			mains voltage fluct	uatio	ons				
	4.1	Switching the device	on/off		6.2	Resto	re the	factor	y settings (default) and store cu	stomized settings as default
₿ ↔	1.		POF = 1, touch the ON/ST	AND-BY key for 4 s.					,	
	If the d	evice is switched on, the	e display will show the P5	value ("cabinet temperature" default);	Ö,	N.B. - Ch	eck th	at the f	actory settings are appropriate; se	e the section CONFIGURATION
	if the di LED	splay shows an alarm co ON	ode, see the section ALARN	IS. FLASHING	<b>~</b> 0		RAMET		stomized settings overwrites the de	
	*	compressor on	compressor off	- compressor protection active	L	<u> - uie</u>	e storn	ig of cu		auit
and save this document		defrost active		setpoint setting active     defrost delay active	1.		SET		Touch the SET key for 4 s: the dis	play will show the label "PA".
E ENGLISH	脊			- dripping active	2.		SET	1	Touch the SET key.	
- Controllers for low temperature units	@	evaporator fan on	evaporator fan off	evaporator fan stop active						
<ul> <li>Power supply 115 230 VAC</li> <li>Cabinet probe and auxiliary probe (PTC/NTC/Pt 1000)</li> </ul>	HACCP	1	-	-	3.			_ <u> </u>	Touch the UP or DOWN key within	15 s to set the value.
<ul> <li>Door switch/multi-purpose input</li> <li>Compressor relay rated 16 res. A @ 250 VAC (EV3B73) or 30 res. A @ 250 VAC</li> </ul>	Ø	energy saving active	-	-		VAL. 149	_	CRIPTIC	ON store the factory settings (default)	
(EV3B83)	2	riservato	-	-		161	valu	ie to sto	re customized settings as default	
<ul> <li>Compressor protection against mains voltage fluctuations</li> <li>Cooling or heating operation</li> </ul>	°C/°F	view temperature	-	-	4.		SET	1	Touch the SET key (or do not ope show the label " <b>dEF</b> " (when val	
1 MEASUREMENTS AND INSTALLATION		cabinet light or buttor		- cabinet light on by digital input				-	"MAP" (when value "161" is set).	
Measurements in mm (inches). To be fitted to a panel, snap-in brackets provided.	AUX	operated load on	operated load off	- auxiliary load delay active	5.	1 -	SET		Touch the SET key.	
	U)	device off	device on	device on/off active	6.	<b>√</b> F		₩ ¢	Touch the UP or DOWN key within	15 s to set " <b>4</b> ".
	If 20 c	have elanced without th	'	display will show the "Lee" label and	_			1	Touch the SET key (or do not ope	
		have elapsed without th pad will lock automatica		display will show the "Loc" label and	/.		SET	1	show for 4 s "" flashing, then dure.	the device will exit the proce-
	4.2	Unlock keypad			8.			1	r supply to the device.	on 6 to ovit the area that t
<b>←</b> 59.0 (2 5/16) <b>←</b> 75.0 (2 15/16) <b>←</b>			will show the label "UnL"		9.	₽	SET		Touch the SET key 2 s before acti forehand.	on o. to exit the procedure be-
◄81.5 (3 3/16)	4.3	Set the setpoint			7	CONF	TGUR	ATTON	PARAMETERS	
		hat the keypad is not lo	cked.		-					
	1.		uch the SET key.		₽	N. 1	PAR. SP	DEF. 0.0	SETPOINT setpoint	MIN MAX. r1 r2
	2.		uch the UP or DOWN key e limits r1 and r2 (default	within 15 s to set the value within `-40 50")		Ν.	PAR.	DEF.	ANALOGUE INPUTS	MIN MAX.
29.0 (1 1/8) 71.0 (2 13/16)	3.	<u> </u>	uch the SET key (or do no	· · · · ·		2	CA1 CA2	0.0	cabinet probe offset auxiliary probe offset	-25 25 °C/°F -25 25 °C/°F
						4	P0	1	probe type	0 = PTC 1 = NTC
			ost (if r5 = 0, default)			5	P1 P2	1 0	enable °C decimal point temperature unit of measure-	$\begin{array}{ccc} 0 &= & no & 1 &= & yes \\ 0 &= & ^{\circ}C & 1 &= & ^{\circ}F \end{array}$
	Спеск t 1.		cked and that overcooling uch the UP key for 2 s.	is not active.	O,		P4		ment	0 dischlad
INSTALLATION PRECAUTIONS - The thickness of the panel must be between 0.8 and 2.0 mm (1/32 and 1/16 in)		I	-	evaporator temperature is lower than	~	'	P4	1	auxiliary probe function	0 = disabled 1 = evaporator probe (de-
- Ensure that the working conditions are within the limits stated in the TECHNICAL		hreshold.								frost + fan) 2 = condenser probe
<ul> <li>SPECIFICATIONS section</li> <li>Do not install the device close to heat sources, equipment with a strong magnetic field,</li> </ul>	4.5	Cabinet light on/off (	if u0 = 3, default or if u	1 = 3)		8	P5	0	value displayed	0 = cabinet temperature
in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations or shocks	1.	@_(	uch the ON/STAND-BY key	<i>'</i> .						1 = setpoint 2 = auxiliary temperature
- In compliance with safety regulations, the device must be installed properly to ensure		1 1				9 N.	P8 PAR.	5 DEF.	display refresh time REGULATION	0 250 s : 10 MIN MAX.
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		Button-operated load hat the keypad is not lo				N. 10	r0	2.0	setpoint differential	1 15 °C/°F
2 ELECTRICAL CONNECTION	1.		uch the ON/STAND-BY key	r (for 2 s if u1 = 3).		11 12	r1 r2	-40 50.0	minimum setpoint maximum setpoint	-99 °C/°F r2 r1 199 °C/°F
					*	13	r4	0.0	setpoint offset in energy saving	0 99 °C/°F
N.B. • Use cables of an adequate section for the current running through them	-	ADDITIONAL FUNCTION	ONS sor functioning hours		-	14	r5	0	cooling or heating operation	0 = cooling 1 = heating
- To reduce any electromagnetic interference connect the power cables as far away		hat the keypad is not lo	-			15	r12	0	position of the r0 differential	0 = asymmetric
as possible from the signal cables	1.		uch the DOWN key for 4 s			N.	PAR.	DEF.	COMPRESSOR	1 = symmetric MIN MAX.
$K_3$ $K_2$ (u1 def. = 0) <sub>1/1</sub> (u0 def. = 3)	2.		uch the UP or DOWN key v	vithin 15 s to select a label.		16	C0	0	compressor on delay after pow-	0 199 min
EV3B73N9		LAB. DESCRIPTION				17	C2	3	er-on compressor off minimum time	0 199 min
			or functioning hours (hund sor functioning hours	reds)						0 = protection against mains voltage fluctuations dis-
I         I         I         Id         Pb1         Pb2           1         2         3         4         5         6         7         9         10         11         12	3.		uch the SET key.							abled
				o set "149" (when label "rCH" is se-		18 19	C3 C4	0	compressor on minimum time compressor off time during cabi-	0 199 s 0 240 min
	4.	<b>V</b>	cted).						net probe alarm	
ap. fans of the switct of switct switct	5.		uch the SET key.			20	C5	10	compressor on time during cabi- net probe alarm	0 240 min
	6.		uch the ON/STAND-BY key e procedure.	(or do not operate for 60 s) to exit		21	C6	80.0	threshold for high condensation	0 199 °C/°F differential = 2 °C/4 °F
key		· · ·  0				22	C7	90.0	warning threshold for high condensation	0 199 °C/°F
phase neutra		View the temperature hat the keypad is not lo	e detected by the probes cked.	5		23	C8	1	alarm high condensation alarm delay	0 15 min
power supply (115 230 VAC)	1.	li Cirl	uch the DOWN key for 4 s			24	C14	190	mains voltage threshold below	0 300 V
PRECAUTIONS FOR ELECTRICAL CONNECTION	2.			vithin 15 s to select a label.	æ				which the compressor is not switched on	the device attempts to switch on every 30 s
- If using an electrical or pneumatic screwdriver, adjust the tightening torque	<u> </u>	LAB. DESCRIPTION			C	25	C15	180	mains voltage threshold below	0 300 V
<ul> <li>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</li> </ul>		Pb1 cabinet temper							off	if satisfied C17 time
<ul> <li>Make sure that the supply voltage, electrical frequency and power are within the set limits. See the section TECHNICAL SPECIFICATIONS</li> </ul>		Pb2 auxiliary tempe				26	C16	260	mains voltage threshold above which the compressor is not	0 300 V if satisfied C17 time
- Disconnect the power supply before doing any type of maintenance	3.		uch the SET key.						switched on or switched off	the device attempts to switch
<ul> <li>Do not use the device as safety device</li> <li>For repairs and for further information, contact the EVCO sales network</li> </ul>	4.		uch the ON/STAND-BY key e procedure.	/ (or do not operate for 60 s) to exit		27	C17	5	consecutive duration of the per-	on every 30 s 0 60 s
3 FIRST-TIME	5.3	View the mains volta							manence of the mains voltage	
1. Install following the instructions given in the section MEASUREMENTS AND INSTALLA-		arsi che la tastiera non s	-						outside the thresholds C15 and C16 due to the compressor being	
<ol> <li>TION.</li> <li>Power up the device as shown in the section <i>ELECTRICAL CONNECTION</i> and an internal</li> </ol>	1.		uch the DOWN key for 4 s			28	C18	5	switched off consecutive number of failed	0 oo
test will be run. The test normally takes a few seconds, when it is finished the display will switch off.	2.		uch the UP or DOWN key v	vithin 15 s to select " <b>UOL</b> ".			0		compressor starts due to the	0 = protection against mains
3. Configure the device as shown in the section <i>Setting configuration parameters</i> .	3.		uch the SET key.						mains voltage outside the thresholds C14 and C16 such as	voltage fluctuations dis- abled
Recommended configuration parameters for first-time use.           PAR.         DEF.         PARAMETER         MIN MAX.				( (or do not operate for 60 s) to exit					to cause the forced start-up of the compressor	oo = the device never makes the forced start-up of
SP         0.0         setpoint         r1 r2           D2         1	4.	571.7	e procedure.							the compressor

 SP	0.0	setpoint	r1 r2
P0	1	probe type	0 = PTC $1 = NTC$
			2 = Pt 1000
P2	0	temperature unit of measurement	0 = °C 1 = °F
d1	0	defrost type	0 = electric 1 = hot gas
			2 = compressor stopped
P2	-	temperature unit of measurement	2 = Pt 1000 0 = °C   1 = °F 0 = electric   1 = hot gas

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

- 4. Disconnect the device from the mains.
- Make the electrical connection as shown in the section *ELECTRICAL CONNECTION* without powering up the device.
- 6. Power up the device.

## 4 USER INTERFACE AND MAIN FUNCTIONS



4.		the procedure.				
6	SETTINGS					
6.1						
1.	<b>≙</b> SET	Touch the SET key for 4 s: the display will show the label " $\mathbf{PA}''$ .				
2.	≙set	Touch the SET key.				
3.		Touch the UP or DOWN key within 15 s to set the PAS value (default "-19").				
4.	≙SET	Touch the SET key (or do not operate for 15 s): the display will show the label "SP".				
5.	f FN⊂ V	Touch the UP or DOWN key to select a parameter.				
6.	≙set	Touch the SET key.				
7.		Touch the UP or DOWN key within 15 s to set the value.				
8.	≙set	Touch the SET key (or do not operate for 15 s).				
9.	<b>≙</b> SET	Touch the SET key for 4 s (or do not operate for $60 \text{ s}$ ) to exit the procedure.				

					the compressor the interruption of the power supply resets the count
	Ν.	PAR.	DEF.	DEFROST (if $r5 = 0$ )	MIN MAX.
	29	d0	8	automatic defrost interval	0 99 h
					0 = only manual
					if d8 = 3, maximum interval
	30	d1	0	defrost type	0 = electric
					1 = hot gas
					2 = compressor stopped
	31	d2	2.0	threshold for defrost end	-99 99 °C/°F
	32	d3	30	defrost duration	0 99 min
					se P4 = 1, maximum duration
	33	d4	0	enable defrost at power-on	0 = no 1 = yes
	34	d5	0	defrost dealy after power-on	0 199 min
۵.	35	d6	2	value displayed during defrost	0 = cabinet temperature
					1 = display locked
					2 = dEF label
	36	d7	2	dripping time	0 15 min
	37	d8	0	defrost interval counting mode	0 = device on hours
					1 = compressor on hours
					2 = hours evaporator tem-
					perature < d9
					3 = adaptive
	38	d9	0.0	evaporation threshold for auto-	-99 99 °C/°F
				matic defrost interval counting	
	39	d11	0	enable defrost timeout alarm	0 = no 1 = yes
	40	d15	0	compressor on consecutive time	0 99 min
				for hot gas defrost	

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	41	d18	40	adaptive defrost interval	0 999 min if compressor on + evapora-	9 TECHNICAL SPECIFICATIONS					
					tor temperature < d22	Purpose of the control device			Function controller		
	42	d19	3.0	threshold for adaptive defrost	0 = only manual 0 40 °C/°F	Construction of the control device Container		Built-in electro Black, self-ext			
	42	u19	3.0	(relative to optimal evaporation	optimal evaporation tempera-	-	eat and fire resist	ance	D		
				temperature)	ture - d19	Measurements	;				
	43	d20	180	compressor on consecutive time for defrost	0 500 min 0 = disabled	75.0 x 33.0 x 59.0 mm (2 15/16 x 1 5/16 x 2 5/16 in) with fixed screw terminal blocks		-		81.5 mm (2 15/16 x 1 5/16 x with removable screw terminal	
	44	d22	0.0	evaporation threshold for adap-	-10 10 °C/°F			blocks	itti temovable screw terminar		
				tive defrost interval counting	optimal evaporation tempera-	Mounting methods for the control device			a panel, snap-in brackets pro-		
				(relative to optimal evaporation temperature)	ture + d22	Degree of protection provided by the course		by the cover-	vided IP65 (front)		
	Ν.	PAR.	DEF.	ALARMS	MIN MAX.	Degree of protection provided by the cover- ing		11 05 (110110)			
	45	A1	10.0		0 199 °C/°F	Connection me					
	46	A4	10.0	alarm (relative to setpoint) threshold for high temperature	0 = disabled 0 199 °C/°F	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		
				alarm (relative to setpoint)	0 = disabled		nitted length for	connection cabl	·	/	
	47	A6	12	high temperature alarm delay af- ter power-on	0 99 min x 10	Power supply: 10 m (32.8 ft)			Analogue inputs: 10 m (32.8 ft)		
	48	A7	15	high/low temperature alarms de-	0 199 min			Digital outputs: 10 m (32.8 ft) From 0 to 55 °C (from 32 to 131 °F)			
~	40			lay	0	Storage tempe			From -25 to 70	0 °C (from -13 to 158 °F)	
	49	A8	15	high temperature alarm delay af- ter defrost	0 240 min	Operating hun	hidity			dity without condensate from	
	50	A9	15	high temperature alarm delay af-	0 240 min	Pollution statu	s of the control d	levice	10 to 90% 2		
	51	A11	2.0	ter door closing high/low temperature alarms re-	1 15 °C/°F	Conformity			•	1	
	51	AII	2.0	set differential	1 15 °C/ °F	RoHS 2011/65	J/CE	WEEE 2012/19	/EU	REACH (EC) Regulation 1907/2006	
	Ν.	PAR.	DEF.	FANS	MIN MAX.	EMC 2014/30/	UE		LVD 2014/35/		
	52	F0	3	evaporator fan mode during normal operation	0 = off $1 = on2 = according to F15 and$	Power supply				AC (+10 % -15%), 50/60 Hz	
					F16 if compressor off, on				(±3 Hz), ma: (EV3B83) insu	x. 4 VA (EV3B73) or 4.9 VA	
					if compressor on	Earthing meth	ods for the contr	ol device	None	lated	
					3 = thermoregulated (with F1)		-withstand voltag	je	2.5 KV		
					4 = thermoregulated (with	Over-voltage of Software class			II		
	53	F1	1.0	thurshald for everyter for an	F1) if compressor on -99 99 °C/°F	Analogue inpu				TC o Pt 1000 probes (cabinet	
-	23	FI	-1.0	threshold for evaporator fan op- eration	differential = 2 °C/4 °F		1		probe and aux		
S	54	F2	0	evaporator fan mode during de-	0 = off $1 = on$	PTC probes	Sensor type Measurement f	ield	1	90 Ω @ 25 °C, 77 °F) 50 °C (from -58 to 302 °F)	
•	55	F3	2	frost and dripping evaporator fan off maximum	0 15 min		Resolution	leiu	0.1 °C (1 °F)		
	55	15	2	time	0 15 mm	NTC probes	Sensor type			@ 25 °C, 77 °F)	
	56	F4	0	evaporator fan off time during	0 199 s x 10		Measurement f Resolution	ield	From -40 to 10 0.1 °C (1 °F)	05 °C (from -40 to 221 °F)	
	57	F5	10	energy saving evaporator fan on time during	0 199 s x 10	Pt 1000 Measurement field		ield	From -99 to 199 °C (from -146 to 390 °F)		
	57	13		energy saving		probes Resolution		0.1 °C (1 °F)			
	58	F15	0	evaporator fan off time with	0 240 s	Digital inputs Dry contact		Contact type	1 dry contact (	(door switch/multi-purpose) 5 VDC, 1.5 mA	
	50	F16	1	compressor off evaporator fan on time with	if F0 = 2 0 240 s	Dry contact		Power supply		None	
	59 I	I FIO I									
	59	F10		compressor off	if F0 = 2			Protection		None	
	N.	PAR.	DEF.	compressor off DIGITAL INPUTS	MIN MAX.	Digital outputs	3	Protection 3 electro-mech	anical relays		
				compressor off		Digital outputs Relay K1	3		anical relays SPST, 16 A res	None . @ 250 VAC (EV3B73) . @ 250 VAC (EV3B83)	
	N.	PAR.	DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input	MIN MAX. 0 = disabled 1 = compressor + evapora- tor fan off + cabinet	Relay K1 Relay K2	3		anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res.	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC	
	N.	PAR.	DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input	MIN MAX. 0 = disabled 1 = compressor + evapora-	Relay K1 Relay K2 Relay K3			anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res.	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC	
	N.	PAR.	DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input	MIN MAX.         0 = disabled         1 = compressor + evaporator         tor fan off + cabinet         light on         2 = evaporator fan off +         cabinet light on	Relay K1 Relay K2 Relay K3 Type 1 or Type		3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res.	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC	
	N.	PAR.	DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N.	PAR.	DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input	MIN MAX.         0 = disabled         1 = compressor + evaporator         tor fan off + cabinet         light on         2 = evaporator fan off +         cabinet light on	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC	
	N. 60	PAR. i0	DEF. 1	compressor off DIGITAL INPUTS door switch/multi-purpose input function	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N.	PAR.	DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input function	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60	PAR. i0	DEF. 1	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact open         -1 120 min	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
<b>آ</b>	N. 60 61	PAR. i0 i1	DEF. 1	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
ľ	N. 60 61	PAR. i0 i1	DEF. 1	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
4	N. 60 61	PAR. i0 i1	DEF. 1	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input         alarm delay         if i0 = 5, compressor on de-	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60 61	PAR. i0 i1	DEF. 1	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
4	N. 60 61 62 63	PAR. i0 i1 i2 i3	DEF. 1 0 30	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact closed         1 = disabled         if i0 = 4, multi-purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60 61 62	PAR. i0 i1 i2	DEF. 1 0 30	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60 61 62 63	PAR. i0 i1 i2 i3	DEF. 1 0 30	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input         alarm delay         if i0 = 5, compressor on de-lay after alarm reset         -1 120 min         -1 = until the closing         0 999 min         after regulation temperature         < SP	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
J.	N. 60 61 62 63 64	PAR. i0 i1 i1 i2 i3 i10	0 0 30 15 0	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min after regulation temperature         < SP         0 = disabled	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60 61 62 63	PAR. i0 i1 i2 i3	DEF. 1 0 30	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input         alarm delay         if i0 = 5, compressor on de-lay after alarm reset         -1 120 min         -1 = until the closing         0 999 min         after regulation temperature         < SP	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60 61 62 63 64	PAR. i0 i1 i1 i2 i3 i10	0 0 30 15 0	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if 10 = 4, multi-purpose input alarm delay         if 0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min after regulation temperature         < SP         0 = disabled         0 240         0 = disabled         0 240 min	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60 61 62 63 64 65	PAR. i0 i1 i1 i2 i3 i10 i13	DEF. 1 0 30 15 0 180	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = until to purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min         after regulation temperature         < SP         0 = disabled         0 240         0 = disabled	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
۲ ۲	N. 60 61 62 63 64 65 66	PAR. i0 i1 i2 i3 i10 i13 i14	DEF. 1 0 30 15 0 180 32	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min after regulation temperature         < SP         0 = disabled         0 240         0 = disabled         0 240 min         0 = disabled         MIN MAX.         0 = defrost	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
٩	N. 60 61 62 63 64 65 66 N.	PAR. i0 i1 i2 i3 i10 i13 i14 PAR.	DEF. 1 0 30 30 15 0 180 32 DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min after regulation temperature < SP         0 = disabled         0 240         0 = disabled         0 240 min         0 = disabled         0 = disabled         0 = disabled         0 = disabled         0 = defrost         1 = button operated load	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
٩	N. 60 61 62 63 64 65 66 N.	PAR. i0 i1 i2 i3 i10 i13 i14 PAR.	DEF. 1 0 30 30 15 0 180 32 DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min after regulation temperature         < SP         0 = disabled         0 240         0 = disabled         0 240 min         0 = disabled         MIN MAX.         0 = defrost	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60 61 62 63 64 65 66 N.	PAR. i0 i1 i2 i3 i10 i13 i14 PAR.	DEF. 1 0 30 30 15 0 180 32 DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if 10 = 4, multi-purpose input alarm delay         if 0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min after regulation temperature         < SP	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60 61 62 63 64 65 65 66 N. 67	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0	DEF. 1 0 30 15 0 180 32 DEF. 3	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input         alarm delay         if i0 = 5, compressor on de-lay after alarm reset         -1 120 min         -1 = until the closing         0 999 min         after regulation temperature         < SP	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
×	N. 60 61 62 63 64 65 65 66 N. 67	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0	DEF. 1 0 30 15 0 180 32 DEF. 3	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration K3 output configuration	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input         alarm delay         if i0 = 5, compressor on de-lay after alarm reset         -1 120 min         -1 = until the closing         0 999 min         after regulation temperature         < SP         0 = disabled         0 240         0 = disabled         0 240 min         0 = defrost         1 = button operated load         2 = alarm         3 = cabinet light         0 = evaporator fan         1 = defrost         2 = stand-by         3 = cabinet light	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
۲ ۲	N. 60 61 62 63 64 65 65 66 N. 67	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0	DEF. 1 0 30 15 0 180 32 DEF. 3	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration K3 output configuration enable cabinet light and button-	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min         after regulation temperature         < SP         0 = disabled         0 240         0 = disabled         0 240 min         0 = defrost         1 = button operated load         2 = alarm         3 = cabinet light         0 = evaporator fan         1 = defrost         2 = stand-by         3 = cabinet light         0 = no       1 = yes	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
۲ ×	N. 60 61 62 63 64 65 66 8 8	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0 u1	DEF. 1 0 30 15 0 180 32 DEF. 3 0	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration K3 output configuration	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 999 min after regulation temperature < SP         0 = disabled         0 240         0 = disabled         0 240 min         0 = defrost         1 = button operated load         2 = alarm         3 = cabinet light         0 = evaporator fan         1 = defrost         2 = stand-by         3 = cabinet light	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
۲ ۲	N.           60           61           62           63           64           65           66           N.           67           68           69           70	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0 u1 u2 u3	DEF. 1 0 30 30 15 0 180 32 DEF. 3 0 0 0 0 0	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration K3 output configuration enable cabinet light and button- operated load in stand-by stand-by output off delay off af- ter device off	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input         alarm delay         if i0 = 5, compressor on de-lay after alarm reset         -1 120 min         -1 = until the closing         0 999 min         after regulation temperature         < SP         0 = disabled         0 240 min         0 = disabled         0 240 min         0 = defrost         1 = button operated load         2 = alarm         3 = cabinet light         0 = evaporator fan         1 = defrost         2 = stand-by         3 = cabinet light         0 = no 1 = yes         manual         0 999 s	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
×	N. 60 61 62 63 64 65 66 86 69	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0 u1 u2	DEF. 1 30 30 15 0 180 32 3 3 0 0	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration K3 output configuration enable cabinet light and button- operated load in stand-by stand-by output off delay off af- ter device off enable alarm output off pressing	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay         if 0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 240         0 = disabled         0 240         0 = disabled         0 240         0 = defrost         1 = button operated load         2 = alarm         3 = cabinet light         0 = evaporator fan         1 = button operated load         2 = stand-by         3 = cabinet light         0 = no       1 = yes         manual	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
۲ ۲	N.           60           61           62           63           64           65           66           N.           67           68           69           70	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0 u1 u2 u3	DEF. 1 0 30 30 15 0 180 32 DEF. 3 0 0 0 0 0	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration K3 output configuration enable cabinet light and button- operated load in stand-by stand-by output off delay off af- ter device off	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input         alarm delay         if i0 = 5, compressor on de-lay after alarm reset         -1 120 min         -1 = until the closing         0 999 min         after regulation temperature         < SP         0 = disabled         0 240 min         0 = disabled         0 240 min         0 = defrost         1 = button operated load         2 = alarm         3 = cabinet light         0 = evaporator fan         1 = defrost         2 = stand-by         3 = cabinet light         0 = no 1 = yes         manual         0 999 s	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
۲ ۲	N.           60           61           62           63           64           65           66           N.           67           68           69           70           71           72	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0 u1 u1 u2 u3 u4 u5	DEF. 1 0 30 15 0 180 32 DEF. 3 0 0 0 0 0 0 0 0 0	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration K3 output configuration enable cabinet light and button- operated load in stand-by stand-by output off delay off af- ter device off enable cabinet light in energy saving	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 240 min         0 = disabled         0 240 min         0 = defrost         1 = button operated load         2 = alarm         3 = cabinet light         0 = defrost         1 = button operated load         2 = stand-by         3 = cabinet light         0 = no       1 = yes         manual       0 999 s	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
	N. 60 61 62 63 64 65 66 8 67 67 68 68 69 70 71	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0 u1 u1 u2 u3 u4	DEF. 1 0 30 30 15 0 180 32 DEF. 3 0 0 0 0 0 0	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration K3 output configuration enable cabinet light and button- operated load in stand-by stand-by output off delay off af- ter device off enable alarm output off pressing a button enable cabinet light in energy	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = with contact open         -1 120 min         -1 = disabled         if i0 = 4, multi-purpose input alarm delay         if i0 = 5, compressor on delay after alarm reset         -1 120 min         -1 = until the closing         0 240 min         0 = disabled         0 240         0 = disabled         0 240 min         0 = defrost         1 = button operated load         2 = alarm         3 = cabinet light         0 = evaporator fan         1 = defrost         2 = stand-by         3 = cabinet light         0 = no 1 = yes         manual         0 999 s         0 = no 1 = yes	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	
۲ ۲ ۲	N.           60           61           62           63           64           65           66           N.           67           68           69           70           71           72           N.	PAR. i0 i1 i2 i3 i10 i13 i14 PAR. u0 u1 u2 u3 u4 u5 PAR.	DEF. 1 30 30 15 0 180 32 DEF. 3 0 0 0 0 0 0 DEF.	compressor off DIGITAL INPUTS door switch/multi-purpose input function door switch/multi-purpose input activation open door alarm delay regulation inhibition maximum time with door open door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS K2 output configuration K3 output configuration enable cabinet light and button- operated load in stand-by stand-by output off delay off af- ter device off enable cabinet light in energy saving ENERGY SAVING (if r5 = 0)	MIN MAX.         0 = disabled         1 = compressor + evaporator fan off + cabinet light on         2 = evaporator fan off + cabinet light on         3 = energy saving         4 = iA alarm (only display)         5 = iA alarm (compressor off)         0 = with contact closed         1 = util the closing         0 999 min         after regulation temperature         < SP         0 = disabled         0 240         0 = disabled         0 240 min         0 = defrost         1 = button operated load         2 = alarm         3 = cabinet light         0 = evaporator fan         1 = defrost         2 = stand-by         3 = cabinet light         0 = no       1 = yes         manual	Relay K1 Relay K2 Relay K3 Type 1 or Type Additional feat tions	e 2 Actions	3 electro-mech	anical relays SPST, 16 A res SPST, 30 A res SPDT, 8 A res. SPST, 5 A res. Type 1 C	s. @ 250 VAC (EV3B73) s. @ 250 VAC (EV3B83) @ 250 VAC @ 250 VAC	

~	Ν.	PAR.	DEF.	SAFETIES	MIN MAX.
$\overline{\mathbf{A}}$	75	POF	0	enable ON/STAND-BY key	0 = no 1 = yes
$\sim$	76	PAS	-19	password	-99 999

## 8 ALARMS

COD.	DESCRIPTION	RESET	REMEDIES
Pr1	cabinet probe alarm	automatic	- check P0
Pr2	auxiliary probe alarm	automatic	<ul> <li>check probe integrity</li> <li>check electrical connection</li> </ul>
COn	forced compressor start alarm	manual	<ul> <li>touch a key</li> <li>check C18</li> </ul>
LU	compressor alarm not on or off due to low mains voltage	manual, au- tomatic after 30 s	<ul> <li>touch a key</li> <li>check C14 and C15</li> </ul>
HU	compressor alarm not on or off due to high mains voltage	manual, au- tomatic after 30 s	<ul><li>touch a key</li><li>check C16</li></ul>
AL	low temperature alarm	automatic	check A1 and A7
AH	high temperature alarm	automatic	check A4 and A7
id	open door alarm	automatic	check i0 e i1
сон	high condensation warning	automatic	check C6
CSd	high condensation alarm	manual	<ul><li>switch the device off and on</li><li>check C7</li></ul>
iA	multi-purpose input alarm	automatic	check i0 and i1
dFd	defrost timeout alarm	manual	<ul><li>touch a key</li><li>check d2, d3 and d11</li></ul>

## N.B.

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

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