

Options for electrical connection with cabinet probe, evaporator probe + door switch input and auxiliary probe; during the door opening the evaporator probe alarm is disabled

> evaporator probe function P3 = 3 and i1 = 0 P3 = 3 and i1 = 1

4.6 Touch a key If u0 = 2 and u4 = 1, the alarm output switches off. ADDITIONAL FUNCTIONS 5

Touch the UP key for 2 s

Touch the ON/STAND-BY key.

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

Activate/deactivate overcooling, overheating and manual energy saving Check that the keypad is not locked. Touch the DOWN key

Silence buzzer

Cabinet light on/off (if u0 = 3)

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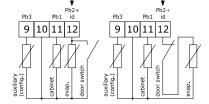
4.5

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5.1

1.

the d2 threshold



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.

3 FIRST-TIME

- 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.

Configure the device as shown in the section Setting configuration parameters. 3. Recommended configuration parameters for first-time use

	•	-	I			161	. valu	ue to sto	pre customized settings as default
FUNCT	-		CONDITION CONSEQUENCE r5 = 0, r8 = 1 and defrost the setpoint becomes "setpoint -				SET	•	Touch the SET key (or do not op show the label " dEF " (when va
			not active	r6", for the r7 duration		-			"MAP" (when value "161" is set)
overheating			r5 and r8 = 1	the setpoint becomes "setpoint + r6", for the r7 duration	5.		SET		Touch the SET key.
energy saving			r5 = 0 and r8 = 2 the setpoint becomes "setpoint + r4", at maximum for HE2 duration		6.			₩ •	Touch the UP or DOWN key within
	View/o numbe		pressor functioning hours	and view compressor start-up	7.	1	SET	•	Touch the SET key (or do not op show for 4 s "" flashing, the dure.
Check t	hat the	keypad is no	t locked.		8.	Inte	errupt th	ne powe	r supply to the device.
1.	1	c 🗸 📔	Touch the DOWN key for 4 s.		9.	4	SET	•	Touch the SET key 2 s before act forehand.
2.	√ FN		Touch the UP or DOWN key w	ithin 15 s to select a label.	7	CON	FIGUR	ATION	PARAMETERS
	LAB.	DESCRIPTI	N		-				
	СН	view compr	essor functioning hours (hundr	reds)	₽≣	N.	PAR.	DEF.	SETPOINT
	rCH	delete com	pressor functioning hours		1	SP	0.0	setpoint	
	nS1	compressor	start-up number (thousands)			N.	PAR.	DEF.	ANALOGUE INPUTS
3.	≙ €	SET	Touch the SET key.			2	CA1	0.0	cabinet probe offset
		∧☆ ↓	Touch the UP or DOWN key to	\cap	3	CA2	0.0	evaporator probe offset	
4.	4. FNC		lected).		Q	4	CA3	0.0	auxiliary probe offset
r		ет	Tauch the CET lieu	-	5	PO	1	probe type	
5.			Touch the SET key.			6	P1	1	enable °C decimal point
6.	 @		Touch the ON/STAND-BY key the procedure.	(or do not operate for 60 s) to exit		7	P2	0	temperature unit of measure- ment

6.3

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N.B.

PARAMETERS.

a set

a set

VAL. DESCRIPTION

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	4	SET	I	Touch the SET key (or do not operate for 15 s): the display will show the label " dEF " (when value " 149 " is set) or the label " MAP " (when value " 161 " is set).				
	4	SET		Touch the SET key.				
	f	\\ FNL √	₽∮	Touch the UP or DOWN key within	15 s to set " 4 ".			
	•	SET		Touch the SET key (or do not operate for 15 s): the display will show for 4 s " " flashing, then the device will exit the procedure.				
	Inte	rrupt th	e powe	r supply to the device.				
	1 4	SET		Touch the SET key 2 s before acti	on 6. to exit the procedure be-			
•	-			forehand.				
	'			PARAMETERS				
	'		TION	•				
2	'		DEF.	•	MIN MAX.			
	CON	FIGUR/		PARAMETERS	MIN MAX. r1 r2			
2	CONI N.	FIGUR/ PAR.	DEF.	PARAMETERS SETPOINT				
2	CON N. 1	FIGURA PAR. SP	DEF.	PARAMETERS SETPOINT setpoint	r1 r2			
2	CONI N. 1 N.	PAR. SP PAR.	DEF. 0.0 DEF.	PARAMETERS SETPOINT setpoint ANALOGUE INPUTS	r1 r2 MIN MAX.			
2	CONI N. 1 N.	PAR. SP PAR.	DEF. 0.0 DEF.	PARAMETERS SETPOINT setpoint ANALOGUE INPUTS	r1 r2 MIN MAX. -25 25 °C/°F			
2	CON N. 1 N. 2	PAR. SP PAR. CA1	DEF. 0.0 DEF. 0.0	PARAMETERS SETPOINT setpoint ANALOGUE INPUTS cabinet probe offset	r1 r2 MIN MAX. -25 25 °C/°F if P4 = 3, air in probe offset			
2	CONI N. 1 N. 2 3	PAR. SP PAR. CA1 CA2	DEF. 0.0 DEF. 0.0	PARAMETERS SETPOINT setpoint ANALOGUE INPUTS cabinet probe offset evaporator probe offset	r1 r2 MIN MAX. -25 25 °C/°F if P4 = 3, air in probe offset -25 25 °C/°F			
2	N. 1 N. 2 3 4	PAR. SP PAR. CA1 CA2 CA3	DEF. 0.0 DEF. 0.0 0.0	PARAMETERS SETPOINT setpoint ANALOGUE INPUTS cabinet probe offset evaporator probe offset auxiliary probe offset	r1 r2 MIN MAX. -25 25 °C/°F if P4 = 3, air in probe offset -25 25 °C/°F -25 25 °C/°F			
2	CONI 1 N. 2 3 4 5	PAR. SP PAR. CA1 CA2 CA3 P0	DEF. 0.0 DEF. 0.0 0.0 0.0 1	PARAMETERS SETPOINT setpoint ANALOGUE INPUTS cabinet probe offset evaporator probe offset auxiliary probe offset probe type	r1 r2 MIN MAX. -25 25 °C/°F if P4 = 3, air in probe offset -25 25 °C/°F -25 25 °C/°F 0 = PTC 1 = NTC			

Restore the factory settings (default) and store customized settings as default

Check that the factory settings are appropriate; see the section CONFIGURATION

Touch the SET key for 4 s: the display will show the label "PA".

Touch the UP or DOWN key within 15 s to set the value

the storing of customized settings overwrites the default.

Touch the SET key.

149 value to restore the factory settings (default)

LVC0 5.	P.V. I	LVJ292	1 1110010	Cubit Sheet Ver. 1.0 Code 1045252210	5 rage 2 01 2 r1 44/10
	8	P3	1	evaporator probe function	0 = disabled
					1 = defrost + fan
					2 = fan
					3 = defrost + fan + door
					switch (evaporator
					probe alarm disabled)
	9	P4	0	configurable input function	0 = digital input
		1 1 7	l v		
					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
			5		
				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
					1 = heating
	10		0.0	sotpoint offset in average	
	18	r6	0.0	setpoint offset in overcool-	0 99 °C/°F
	\vdash	L		ing/overheating	
	19	r7	30	overcooling/overheating duration	0 240 min
	20	r8	0	DOWN key additional function	0 = disabled
	_		-	,	1 = overcooling/overheating
		L			2 = energy saving
	21	r12	0	position of the r0 differential	0 = asymmetric
					1 = symmetric
	Ν.	PAR.	DEF.	COMPRESSOR	MIN MAX.
	22	C0	0	compressor on delay after pow-	0 240 min
				er-on	
	23	C2	3	compressor off minimum time	0 240 min
	24	C3	0	compressor on minimum time	0 240 s
	25	C4	10	compressor off time during cabi-	0 240 min
	20	0.		net probe alarm	0
	26	65	10		0
	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
				warning	differential = 2 °C/4 °F
	28	C7	90.0	threshold for high condensation	0 199 °C/°F
	20		30.0		0 199 C/ 1
				alarm	
	29	C8	1	high condensation alarm delay	0 15 min
	30	C10	0	compressor hours for service	0 999 h x 100
	30	C10	0	compressor hours for service	0 999 h x 100 0 = disabled
	30 N.	C10 PAR.	DEF.		
	N.	PAR.	DEF.	DEFROST (if r5 = 0)	0 = disabled MIN MAX.
					0 = disabled MIN MAX. 0 99 h
	N.	PAR.	DEF.	DEFROST (if r5 = 0)	0 = disabled MIN MAX. 0 99 h 0 = only manual
	N. 31	PAR. d0	DEF. 8	DEFROST (if r5 = 0) automatic defrost interval	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval
	N.	PAR.	DEF.	DEFROST (if r5 = 0)	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric
	N. 31	PAR. d0	DEF. 8	DEFROST (if r5 = 0) automatic defrost interval	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval
	N. 31	PAR. d0	DEF. 8	DEFROST (if r5 = 0) automatic defrost interval	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric
	N. 31	PAR. d0	DEF. 8	DEFROST (if r5 = 0) automatic defrost interval	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas
	N. 31 32 33	PAR. d0 d1 d2	DEF. 8 0 8.0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F
	N. 31 32	PAR. d0 d1	DEF. 8 0	DEFROST (if r5 = 0) automatic defrost interval defrost type	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min
	N. 31 32 33 34	PAR. d0 d1 d2 d3	DEF. 8 0 8.0 30	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration
	N. 31 32 33 34 35	PAR. d0 d1 d2 d3 d4	DEF. 8 0 8.0 30 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on	0 = disabledMIN MAX.0 99 h0 = only manualif d8 = 3, maximum interval0 = electric1 = hot gas2 = compressor stopped $-99 99 ^{\circ}C/^{\circ}F$ 0 99 minse P3 = 1, maximum duration0 = no1 = yes
	N. 31 32 33 34	PAR. d0 d1 d2 d3 d4 d5	DEF. 8 0 8.0 30	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min
	N. 31 32 33 34 35	PAR. d0 d1 d2 d3 d4	DEF. 8 0 8.0 30 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on	0 = disabledMIN MAX.0 99 h0 = only manualif d8 = 3, maximum interval0 = electric1 = hot gas2 = compressor stopped $-99 99 ^{\circ}C/^{\circ}F$ 0 99 minse P3 = 1, maximum duration0 = no1 = yes
	N. 31 32 33 34 35 36	PAR. d0 d1 d2 d3 d4 d5	DEF. 8 0 8.0 30 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature
	N. 31 32 33 34 35 36	PAR. d0 d1 d2 d3 d4 d5	DEF. 8 0 8.0 30 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked
	N. 31 32 33 34 35 36 37	PAR. d0 d1 d2 d3 d4 d5 d6	DEF. 8 0 8.0 30 0 0 2	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = negulation temperature 1 = display locked 2 = dEF label
	N. 31 32 33 34 35 36 37 38	PAR. d0 d1 d2 d3 d3 d4 d5 d6 d7	DEF. 8 0 8.0 30 0 0 2 2	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min
	N. 31 32 33 34 35 36 37	PAR. d0 d1 d2 d3 d4 d5 d6	DEF. 8 0 8.0 30 0 0 2	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours
	N. 31 32 33 34 35 36 37 38	PAR. d0 d1 d2 d3 d3 d4 d5 d6 d7	DEF. 8 0 8.0 30 0 0 2 2	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours
	N. 31 32 33 34 35 36 37 38	PAR. d0 d1 d2 d3 d3 d4 d5 d6 d7	DEF. 8 0 8.0 30 0 0 2 2	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours
	N. 31 32 33 34 35 36 37 38	PAR. d0 d1 d2 d3 d3 d4 d5 d6 d7	DEF. 8 0 8.0 30 0 0 2 2	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours
	N. 31 32 33 34 35 36 37 38	PAR. d0 d1 d2 d3 d3 d4 d5 d6 d7	DEF. 8 0 8.0 30 0 0 2 2	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem-
	N. 31 32 33 34 35 36 37 38	PAR. d0 d1 d2 d3 d3 d4 d5 d6 d7	DEF. 8 0 8.0 30 0 0 2 2	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive
	N. 31 32 33 34 35 36 37 37 38 39	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8	DEF. 8 0 8.0 30 0 0 2 2 2 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time
٠.	N. 31 32 33 34 35 36 37 38	PAR. d0 d1 d2 d3 d3 d4 d5 d6 d7	DEF. 8 0 8.0 30 0 0 2 2	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto-	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive
¢,	N. 31 32 33 34 35 36 37 38 39 39	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d9	DEF. 8 0 30 0 2 2 2 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost interval counting	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F
• ,	N. 31 32 33 34 35 36 37 38 39 40 41	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d9 d11	DEF. 8 0 8.0 30 0 0 2 2 2 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes
.	N. 31 32 33 34 35 36 37 38 39 39	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d9	DEF. 8 0 30 0 2 2 2 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost timeval counting enable defrost interval counting	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F
<u>م</u>	N. 31 32 33 34 35 36 37 38 39 40 41	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d9 d11	DEF. 8 0 30 0 2 2 2 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes
¢,	N. 31 32 33 34 35 36 37 38 39 40 41	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d9 d11	DEF. 8 0 30 0 2 2 2 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost timeval counting enable defrost interval counting	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes
٩	N. 31 32 33 34 35 36 37 38 39 40 41 42	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15	DEF. 8 0 30 0 0 2 2 2 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm compressor on consecutive time for hot gas defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min
¢,	N. 31 32 33 34 35 36 37 38 39 40 41 42 43	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d11 d16	DEF. 8 0 30 0 0 2 2 0 2 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost timeval counting enable defrost interval counting for hot gas defrost pre-dripping time for hot gas defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min
ۿ	N. 31 32 33 34 35 36 37 38 39 40 41 42	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15	DEF. 8 0 30 0 0 2 2 2 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de-	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min
؋.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d11 d16	DEF. 8 0 30 0 0 2 2 0 2 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost timeval counting enable defrost interval counting for hot gas defrost pre-dripping time for hot gas defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min
.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d11 d16	DEF. 8 0 30 0 0 2 2 0 2 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost timeval counting enable defrost interval counting for hot gas defrost pre-dripping time for hot gas defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min
¢,	N. 31 32 33 34 35 36 37 38 39 40 41 42 43	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d11 d16	DEF. 8 0 30 0 0 2 2 0 2 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de- frost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min
.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d11 d16	DEF. 8 0 30 0 0 2 2 0 2 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de- frost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min
٩	N. 31 32 33 34 35 36 37 38 39 40 41 42 43	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d16 d18	DEF. 8 0 30 0 0 2 2 2 0 0 0 0 0 0 0 0 40	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de- frost adaptive defrost interval	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min
• .	N. 31 32 33 34 35 36 37 38 39 40 41 42 43	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d16 d18	DEF. 8 0 30 0 0 2 2 2 0 0 0 0 0 0 0 0 40	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost interval counting enable defrost interval counting enable defrost interval alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost threshold for adaptive defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = n o 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 1 f compressor on + evapora- tor temperature < d22 0 = only manual 0 40 °C/°F optimal evaporation tempera-
.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d16 d18 d19 d19	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost interval counting enable defrost interval alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de- frost adaptive defrost interval threshold for adaptive defrost threshold for adaptive	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 90 °C/°F
.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d16 d18	DEF. 8 0 30 0 0 2 2 2 0 0 0 0 0 0 0 0 40	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost interval counting enable defrost interval counting enable defrost interval alarm compressor on consecutive time frost adaptive defrost interval threshold for adaptive defrost frost adaptive defrost interval compressor on consecutive time frost adaptive defrost interval	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 1 = compressor on + evapora- tor temperature < d22 0 = only manual 0 40 °C/°F optimal evaporation tempera- ture - d19 0 999 min
٩	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d16 d18 d18 d19 d19 d20	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost timeout alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 1 = compressor on + evapora- tor temperature < d22 0 = only manual 0 40 °C/°F optimal evaporation tempera- ture - d19 0 999 min 0 = disabled
.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d16 d18 d19 d19	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost interval alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de- frost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time for defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 40 °C/°F optimal evaporation tempera- ture - d19 0 500 min
•.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d16 d18 d19 d19 d19 d19 d20	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de- frost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 1 = compressor on + evapora- tor temperature < d22 0 = only manual 0 40 °C/°F optimal evaporation tempera- ture - d19 0 999 min if (regulation temperature -
.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d16 d18 d19 d19 d19 d19 d20	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost interval alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de- frost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time for defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator temperature 4 = real time -99 99 min 0 90 min 1 = compressor on + evapora- tor temperature < d22 0 = only manual 0 40 °C/°F optimal evaporation tempera- ture - d19 0 900 min if (regulation temperature - setpoint) > 10°C/20 °F
۵.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d7 d8 d1 d1 d1 d1 d1 d1 d1 d2 d2 d2 d2 d2 d2 d2 d2 d2 d2	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de- frost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost after power-on and overcooling	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 90 min 1 = compressor on + evapora- tor temperature < d22 0 = only manual 0 40 °C/°F optimal evaporation tempera- ture - d19 0 999 min 0 = disabled 0 500 min if (regulation temperature - setpoint) > 10°C/20 °F 0 = disabled
۵.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d9 d11 d15 d16 d18 d19 d19 d19 d19 d20	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost timeval counting enable defrost interval counting compressor on consecutive time frost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 1 compressor on + evapora- tor temperature < d22 0 = only manual 0 40 °C/°F optimal evaporation tempera- ture - d19 0 909 min 0 = disabled 0 500 min if (regulation temperature - setpoint) > 10°C/20 °F 0 = disabled -10 10 °C/°F
• ,	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d7 d8 d1 d1 d1 d1 d1 d1 d1 d2 d2 d2 d2 d2 d2 d2 d2 d2 d2	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost timeval counting enable defrost interval counting enable defrost on consecutive time for hot gas defrost pre-dripping time for hot gas defrost (relative to optimal evaporation threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 = disabled 0 500 min if (regulation temperature - setpoint) > 10°C/0°F optimal evaporation tempera- ture - d19 0 90 min 1 = disabled -10 10 °C/°F
.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d7 d8 d1 d1 d1 d1 d1 d1 d1 d1 d2 d2 d2 d2 d2 d2 d2 d2 d2 d2	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost timeval counting enable defrost interval counting compressor on consecutive time frost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 1 compressor on + evapora- tor temperature < d22 0 = only manual 0 40 °C/°F optimal evaporation tempera- ture - d19 0 909 min 0 = disabled 0 500 min if (regulation temperature - setpoint) > 10°C/20 °F 0 = disabled -10 10 °C/°F
\$.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d7 d8 d1 d1 d1 d1 d1 d1 d1 d1 d2 d2 d2 d2 d2 d2 d2 d2 d2 d2	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost timeval counting enable defrost interval counting enable defrost on consecutive time for hot gas defrost pre-dripping time for hot gas defrost (relative to optimal evaporation threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive defrost	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 = disabled 0 500 min if (regulation temperature - setpoint) > 10°C/0°F optimal evaporation tempera- ture - d19 0 90 min 1 = disabled -10 10 °C/°F
•	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d9 d11 d15 d16 d18 d19 d19 d20 d21 d22	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for auto- matic defrost interval counting enable defrost timeout alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas de- frost adaptive defrost interval threshold for adaptive defrost (relative to optimal evaporation temperature) compressor on consecutive time for defrost compressor on consecutive time for defrost compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adap- tive defrost interval counting (relative to optimal evaporation temperature)	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 99 min 0 = disabled 0 10 °C/°F optimal evaporation temperature - setpoint) > 10°C/20 °F 0 = disabled -10 10 °C/°F
•.	N. 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	PAR. d0 d1 d2 d3 d4 d5 d6 d7 d8 d7 d8 d7 d8 d1 d1 d1 d1 d1 d1 d1 d1 d2 d2 d2 d2 d2 d2 d2 d2 d2 d2	DEF. 8 0 30 0 2 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0	DEFROST (if r5 = 0) automatic defrost interval defrost type threshold for defrost end defrost duration enable defrost at power-on defrost dealy after power-on value displayed during defrost dripping time defrost interval counting mode evaporation threshold for automatic defrost interval counting enable defrost interval counting enable defrost interval alarm compressor on consecutive time for hot gas defrost pre-dripping time for hot gas defrost rest adaptive defrost interval compressor on consecutive time for defrost compressor on consecutive time for defrost compressor on consecutive time for defrost after power-on and overcooling evaporation threshold for adaptive defrost relative to optimal evaporation	0 = disabled MIN MAX. 0 99 h 0 = only manual if d8 = 3, maximum interval 0 = electric 1 = hot gas 2 = compressor stopped -99 99 °C/°F 0 99 min se P3 = 1, maximum duration 0 = no 1 = yes 0 99 min 0 = regulation temperature 1 = display locked 2 = dEF label 0 15 min 0 = device on hours 1 = compressor on hours 2 = hours evaporator tem- perature < d9 3 = adaptive 4 = real time -99 99 °C/°F 0 = no 1 = yes 0 99 min 0 = disabled 0 500 min if (regulation temperature - setpoint) > 10°C/0°F optimal evaporation tempera- ture - d19 0 90 min 1 = disabled -10 10 °C/°F

	N.	PAR.	DEF.	FANS	MIN MAX.
	60	F0	1	evaporator fan mode during normal operation	0 = off $1 = on2 = according$ to F15 and
					F16 if compressor off, on
					if compressor on
					3 = thermoregulated (with F1)
					4 = thermoregulated (with
					F1) if compressor on
	61	F1	-4.0	threshold for evaporator fan op-	-99 99 °C/°F
	62	F2	0	eration evaporator fan mode during de-	differential = 1 °C/2 °F 0 = off 1 = on
			-	frost and dripping	2 = according to F0
S	63	F3	2	evaporator fan off maximum	0 15 min
	64	F4	0	time evaporator fan off time during	0 240 s x 10
	04	14		energy saving	0 240 3 × 10
	65	F5	10	evaporator fan on time during	0 240 s x 10
	66	F7	5.0	energy saving threshold for evaporator fan on	-99 99 °C/°F
				after dripping (relative to set-	setpoint + F7
	67	50		point)	0 240 -
	67	F9	0	evaporator fan off delay after compressor off	0 240 s if F0 = 2
	68	F15	0	evaporator fan off time with	0 240 s
	60	F1C	-	compressor off	if F0 = 2
	69	F16	1	evaporator fan on time with compressor off	0 240 s if F0 = 2
	Ν.	PAR.	DEF.	DIGITAL INPUTS	MIN MAX.
	70	i0	5	door switch/multi-purpose input	0 = disabled
				function	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 + cabinet light on
					6 = reserved
					7 = energy saving
					8 = iA alarm 9 = device on/off
					10= Cth alarm
	74				11= th alarm
	71	i1	0	door switch/multi-purpose input activation	0 = with contact closed 1 = with contact open
	72	i2	30	open door alarm delay	-1 120 min
	73	i3	15	regulation inhibition maximum	-1 = disabled -1 120 min
	/3	15		time with door open	-1 = until the closing
	74	i7	0	multi-purpose input alarm delay	-1 120 min
	74	i7	0	multi-purpose input alarm delay	-1 = disabled
					-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset
	74	i7 i10	0	door closed consecutive time for	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min
					-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset
	75	i10	0	door closed consecutive time for energy saving	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled
				door closed consecutive time for	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP
	75	i10	0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min
	75 76 77	i10 i13 i14	0 180 32	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled
	75	i10 i13	0 180	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min
	75 76 77 N.	i10 i13 i14 PAR.	0 180 32 DEF.	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan
*	75 76 77 N.	i10 i13 i14 PAR.	0 180 32 DEF.	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output
*	75 76 77 N.	i10 i13 i14 PAR.	0 180 32 DEF.	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan
*	75 76 77 78 79	i10 i13 i14 PAR. u0 u2	0 180 32 DEF. 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual
*	75 76 77 N. 78	i10 i13 i14 PAR. u0	0 180 32 DEF. 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes
*	75 76 77 8 79 80 N.	i10 i13 i14 PAR. u0 u2 u2 u4 PAR.	0 180 32 DEF. 0 0 0 0 DEF.	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0)	$\begin{array}{r} -1 = disabled \\ \text{if i0} = 10 \text{ or } 11, \text{ compressor} \\ \text{on delay after alarm reset} \\ \hline 0 999 \text{ min} \\ \text{after regulation temperature} \\ < SP \\ 0 = disabled \\ \hline 0 240 \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 = no 1 = yes \\ \hline manual \\ 0 = no 1 = yes \\ \hline MIN MAX. \\ \hline \end{array}$
*	75 76 77 80	i10 i13 i14 PAR. u0 u2 u2 u4	0 180 32 DEF. 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min
*	75 76 77 8 79 80 N.	i10 i13 i14 PAR. u0 u2 u2 u4 PAR.	0 180 32 DEF. 0 0 0 0 DEF.	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0)	$\begin{array}{r} -1 = disabled \\ \text{if i0} = 10 \text{ or } 11, \text{ compressor} \\ \text{on delay after alarm reset} \\ \hline 0 999 \text{ min} \\ \text{after regulation temperature} \\ < SP \\ 0 = disabled \\ \hline 0 240 \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 240 \text{ min} \\ 0 = disabled \\ \hline 0 = no 1 = yes \\ \hline manual \\ 0 = no 1 = yes \\ \hline MIN MAX. \\ \hline \end{array}$
*	75 76 77 80 80 81 N.	i10 i13 i14 PAR. u0 u2 u4 HE2 PAR.	0 180 32 DEF. 0 0 DEF. 0 0	door closed consecutive time for energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0)	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX.
*	75 76 77 80 80 81 81 81 82	 i10 i13 i14 PAR. u0 u2 u4 PAR. HE2 PAR. HO1 	0 180 32 DEF. 0 0 DEF. 0 DEF. 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h
*	75 76 77 80 80 81 N.	i10 i13 i14 PAR. u0 u2 u4 HE2 PAR.	0 180 32 DEF. 0 0 DEF. 0 0	door closed consecutive time for energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0)	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX.
*	75 76 77 78 79 80 81 81 81 81 82 83 83	 i10 i13 i14 PAR. u0 u2 u4 PAR. HE2 PAR. H01 H02 H03 	0 180 32 0 EEF. 0 0 0 EEF. 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 23 h 0 23 h
*	75 76 77 80 80 81 81 N. 82 83	i10 i13 i14 PAR. u0 u2 u4 PAR. HE2 PAR. HE2 H01 H02	0 180 32 DEF. 0 0 0 DEF. 0 0 DEF. 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h
*	75 76 77 78 79 80 81 81 81 81 82 83 83	 i10 i13 i14 PAR. u0 u2 u4 PAR. HE2 PAR. H01 H02 H03 	0 180 32 0 EEF. 0 0 0 EEF. 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy Saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 23 h 0 23 h
*	75 76 77 N. 78 80 N. 81 N. 81 N. 81 81 81 83 83	 i10 i13 i14 PAR. u0 u2 u4 PAR. H02 PAR. H01 H02 H03 H04 	0 180 32 0EF. 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration Tuesday energy saving time Tuesday energy saving time Unesday energy saving maximum duration	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 24 h
*	75 76 77 78 79 80 80 81 81 81 82 83 83 84 85 884	 i10 i13 i14 PAR. u0 u2 u4 PAR. H2 PAR. H01 H02 H03 H04 H05 	0 180 32 0 EFF. 0 0 0 EFF. 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving time Tuesday energy saving maximum duration Tuesday energy saving maximum duration	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 23 h
*	75 76 77 80 80 80 81 81 81 82 83 84 85 86 87	 i10 i13 i14 PAR. u0 u2 u4 PAR. HE2 PAR. HE2 H01 H02 H03 H04 H05 H06 	0 180 32 DEF. 0 0 0 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration Tuesday energy saving time Tuesday energy saving maximum duration Wednesday energy saving maximum duration Wednesday energy saving time Thursday energy saving time Thursday energy saving time	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 24 h 0 24 h
*	75 76 77 80 80 80 80 81 81 81 81 81 82 83 83 84 85 83 84 85 88 88 89	 i10 i13 i14 PAR. u0 u2 u4 PAR. H22 PAR. H01 H02 H03 H04 H05 H06 H07 H08 	0 180 32 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration Tuesday energy saving time Tuesday energy saving time Wednesday energy saving maxi- mum duration Thursday energy saving time Thursday energy saving time	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 24 h 0 23 h 0 24 h
* *	75 76 77 80 80 80 80 81 81 81 81 81 82 83 83 83 83 83 83 83 84 85 86 87 87	 i10 i13 i14 PAR. u0 u4 PAR. HE2 PAR. HE3 H01 H02 H03 H04 H05 H05 H07 	0 180 32 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration Tuesday energy saving time Tuesday energy saving maximum duration Wednesday energy saving maximum duration Wednesday energy saving time Thursday energy saving time Thursday energy saving time	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 24 h 0 24 h
*	75 76 77 80 80 80 81 81 81 82 83 84 85 83 84 85 88 88 89 90 91	 i10 i13 i14 PAR. u0 u2 u4 PAR. H22 PAR. H24 H05 H06 H07 H08 H09 H10 	0 180 32 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Tuesday energy saving maximum duration Tuesday energy saving time Tuesday energy saving maximum duration Wednesday energy saving maxi- mum duration Thursday energy saving time Thursday energy saving time	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 24 h 0 23 h 0 24 h 0 23 h 0 24 h
* *	75 76 77 80 80 80 80 81 81 81 82 83 84 83 84 85 83 84 85 86 87 88 89 90 91	 i10 i13 i14 PAR. u2 u4 PAR. HE2 PAR. HE2 H01 H02 H03 H04 H05 H06 H07 H08 H09 H10 H11 	0 180 32 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration Tuesday energy saving maximum duration Tuesday energy saving time Wednesday energy saving time Thursday energy saving maxi- mum duration	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 24 h 0 23 h 0 24 h 0 24 h 0 24 h 0 24 h 0 24 h
*	75 76 77 80 80 80 81 81 81 82 83 84 85 83 84 85 88 88 89 90 91	 i10 i13 i14 PAR. u0 u2 u4 PAR. H22 PAR. H24 H05 H06 H07 H08 H09 H10 	0 180 32 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Tuesday energy saving maximum duration Tuesday energy saving time Tuesday energy saving maximum duration Wednesday energy saving maxi- mum duration Thursday energy saving time Thursday energy saving time	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 24 h 0 23 h 0 24 h 0 23 h 0 24 h
*	75 76 77 80 80 80 80 81 81 81 81 83 83 83 83 84 85 83 84 85 83 84 85 83 90 91 91 92 93	 i10 i13 i14 PAR. u0 u2 u4 PAR. H01 H02 H03 H04 H05 H06 H07 H08 H09 H10 H11 H13 	0 180 32 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration Tuesday energy saving time Tuesday energy saving time Tuesday energy saving time Tuesday energy saving time Thursday energy saving time Friday energy saving maxi- mum duration Friday energy saving time Friday energy saving maxi- mum duration Saturday energy saving time Saturday energy saving time	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 24 h
*	75 76 77 78 80 80 80 80 80 81 81 81 82 83 83 83 83 83 83 83 83 83 83 83 83 83	 i10 i13 i14 PAR. u0 u2 u4 PAR. H22 PAR. H23 H04 H05 H06 H07 H08 H09 H10 H11 H12 	0 180 32 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) enargy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving maximum duration Tuesday energy saving time Muednesday energy saving maximum duration Tuesday energy saving time Thursday energy saving time Friday energy saving time Friday energy saving time Friday energy saving time Saturday energy sa	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 24 h
*	75 76 77 80 80 80 80 81 81 81 81 83 83 83 83 84 85 83 84 85 83 84 85 83 90 91 91 92 93	 i10 i13 i14 PAR. u0 u2 u4 PAR. H01 H02 H03 H04 H05 H06 H07 H08 H09 H10 H11 H13 	0 180 32 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for de- frost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving time Monday energy saving maximum duration Tuesday energy saving time Tuesday energy saving time Tuesday energy saving time Tuesday energy saving time Thursday energy saving time Friday energy saving maxi- mum duration Friday energy saving time Friday energy saving maxi- mum duration Saturday energy saving time Saturday energy saving time	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes manual 0 = no 1 = yes MIN MAX. 0 299 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 24 h
*	75 76 77 78 80 80 80 81 81 82 83 84 85 83 84 85 83 84 85 87 88 83 90 91 91 92 93 94 95	 i10 i13 i14 PAR. u0 u2 u4 PAR. H01 H02 H03 H04 H05 H06 H07 H08 H09 H10 H11 H12 H13 H14 	0 180 32 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0	door closed consecutive time for energy saving number of door openings for defrost door open consecutive time for defrost DIGITAL OUTPUTS auxiliary relay function enable cabinet light in stand-by enable cabinet light in stand-by enable alarm output off silencing the buzzer ENERGY SAVING (if r5 = 0) energy saving maximum duration REAL TIME ENERGY SAVING (if r5 = 0) Monday energy saving maximum duration Tuesday energy saving maximum duration Tuesday energy saving time Wednesday energy saving maximum duration Thursday energy saving maximum duration Thursday energy saving time Thursday energy saving time Thursday energy saving time Thursday energy saving time Thursday energy saving maximum duration Friday energy saving time Friday energy saving time Saturday energy saving time Sunday energy saving time	-1 = disabled if i0 = 10 or 11, compressor on delay after alarm reset 0 999 min after regulation temperature < SP 0 = disabled 0 240 0 = disabled 0 240 min 0 = disabled MIN MAX. 0 = defrost 1 = evaporator fan 2 = alarm output 3 = cabinet light 0 = no 1 = yes MIN MAX. 0 999 min -1 = until the door opening MIN MAX. 0 23 h 0 24 h 0 23 h 0 24 h

COD.	DESCRIPTION RESET				REMEDI				
Pr1		abinet probe alarm automa			- check				
Pr2		ator probe alarm				1	<pre>< probe integrity</pre>		
Pr3		y probe alarm	automat manual		ic		c electrical connection		
rtc	clock a			automat			e, time and day of the week		
AL AH		nperature alarm mperature alarn				1	A, A1 and A2 A, A4 and A5		
id		oor alarm		automat		check i			
PF		failure alarm	manual		- touch				
	-			-			 check electrical connection 		
сон	COH high condensation was		ning	automat	ic	check C6			
CSd	CSd high condensation ala		m	manual		- switch the device off and on			
						- check C7			
iA Cth	th compressor thermal s			automat automat					
th	global thermal switch alarm manu			manual			h the device off and on < i0 and i1		
dFd	defrost	timeout alarm		manual		- touch			
						- check	< d2, d3 and d11		
9	TECHN	ICAL SPECIFIC	ATIO	NS					
		control device			1	on contro			
		f the control dev	vice		1		nic device		
Contai					1	self-exti	nguishing		
		at and fire resist	tance		D				
	irements		11.0		75 -	22.6			
		59.0 mm (2 15,	·				81.5 mm (2 15/16 x 1 5/16 ith removable screw termin		
2 3/10	, iii) with	fixed screw ter	unidi l	NUCKS	blocks		ith removable screw termin		
Mount	ina meth	ods for the cont	rol dev	vice			a panel, snap-in brackets pro		
rioune	ing mea		.ioi uci	100	vided	necca co	a punci, shap in brackets pre		
Degre	e of pro	tection provided	by th	e cover-	IP65 (front)	nt)		
ing									
Conne	ection me	thod							
conne		lanou							
			Remo	ovable s	crew	terminal	Micro-MaTch connector		
Fixed	screw t				crew wires	terminal up to	Micro-MaTch connector		
Fixed	screw t	erminal blocks	block		wires		Micro-MaTch connector		
Fixed for wir	screw t res up to	erminal blocks	block 2,5 m	s for nm²; by r	wires equest		Micro-MaTch connector		
Fixed for wir Maxim	screw t res up to num perr	erminal blocks 2,5 mm ²	block 2,5 m	s for nm²; by r	wires equest es	up to	Micro-MaTch connector :s: 10 m (32.8 ft)		
Fixed for win Maxim Power	screw t res up to num perr supply:	erminal blocks 2,5 mm ² nitted length for	block 2,5 m	s for nm²; by r	wires equest es Analog	up to gue input			
Fixed for wir Maxim Power Digital Opera	screw t res up to num perr supply: l inputs: ting tem	erminal blocks 2,5 mm ² nitted length for 10 m (32.8 ft) 10 m (32.8 ft) perature	block 2,5 m	s for nm²; by r	wires equest es Analog Digita	up to gue input l outputs	s: 10 m (32.8 ft)		
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Fixed for wir Power Digital Opera Storag Opera Polluti Confor RoHS EMC 2 Power 230 V max. : Earthi Rated Over-1 Softwa Analog PTC pi NTC p Dry cc Digital Computer	screw t res up to <u>um perr</u> <u>supply:</u> I inputs: ting tempe ting hum on statu: rmity 2011/65 2014/30/ supply AC (+10 2 VA insu ng methi inpulse voltage c are class gue input robes robes inputs ontact	erminal blocks 2,5 mm ² nitted length for 10 m (32.8 ft) 10 m (32.8 ft) perature rature idity s of the control of /CE UE 0% -15%), 50/6 lated in EV3 f vods for the contr withstand voltay ategory and structure cs Sensor type Measurement f Resolution Sensor type Measurement f Resolution	ield input ield ield ield ield input ield input ield input ield input ield	s for m ² ; by ri- ction cabl = 2012/19 (±3 Hz), ice : configur l input (d act type r supply ction	wires equest es Analoq Digita From Relativ 10 to 2 /EU LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 Cor evapo KTY 8 From KTY 8 From UII A 2 for evapo Sata From SPST, SPST,	up to gue input l outputs 0 to 55 ° -25 to 70 ve humin 90% 014/35/U VAC/DO z), max. PTC or N rator pro 1-121 (9' -50 to 15 C (1 °F) or analog tch/multi relays (ccc 16 A res	is: 10 m (32.8 ft) : 10 m (32.8 ft) C (from 32 to 131 °F) °C (from -13 to 158 °F) dity without condensate from rec (from -13 to 158 °F) dity without condensate from rec (from -13 to 158 °F) dity without condensate from rec (from -13 to 158 °F) dity without condensate from 1907/2006 JE C (+10% -15%), 50/60 F 3 VA/2W in EV3 N3 HTC probes (cabinet probe and be) 90 Ω @ 25 °C, 77 °F) 50 °C (from -58 to 302 °F) @ 25 °C, 77 °F) 95 °C (from -40 to 221 °F) ue input (auxiliary probe) of -purpose, dry contact) 5 VDC, 1.5 mA None None None None worperssor and auxiliary relay) . @ 250 VAC		
Fixed for win Power Digital Opera Storag Opera Polluti Confor RoHS EMC 2 Power 230 V max. : EMC 2 Power 230 V max. : Softwa Analog PTC pi NTC p Other Dry cc Digital Compi	screw t res up to num perr supply: I inputs: ting tempe ting hum on statu: rmity 2011/65 2014/30/ supply AC (+10 2 VA insu ng methe impulse voltage c are class gue input robes robes inputs ontact	erminal blocks 2,5 mm ² nitted length for 10 m (32.8 ft) 10 m (32.8 ft) perature rrature rature didity /CE UE //CE //CE //CE //CE //CE //CE //	ield input ield ield ield ield input ield input ield input ield input ield	s for m ² ; by ri- ction cabl = 2012/19 (±3 Hz), ice : configur l input (d act type r supply ction	wires equest analog Digita From From Relativ 10 to 2 /EU LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 Cor evapo KTY 8 From 0.1 °C soor swi anical 1 SPST, SPDT,	up to gue input l outputs 0 to 55 ° -25 to 70 ve humin 90% 014/35/U VAC/DO z), max. PTC or N rator pro 1-121 (9' -50 to 15 C (1 °F) 5 (10 KΩ -40 to 10 C (1 °F) or analog tch/multi relays (ccc 16 A res 8 A res.	IS: 10 m (32.8 ft) : 10 m (32.8 ft) C (from 32 to 131 °F) °C (from -13 to 158 °F) dity without condensate from REACH (EC) Regulation 1907/2006 JE C (+10% -15%), 50/60 F 3 VA/2W in EV3 N3 HTC probes (cabinet probe and be) 90 Ω @ 25 °C, 77 °F) 50 °C (from -58 to 302 °F) @ 25 °C, 77 °F) 15 °C (from -40 to 221 °F) ue input (auxiliary probe) of -purpose, dry contact) 5 VDC, 1.5 mA None None None		
Fixed for win Power Digital Opera Storag Opera Polluti Confor RoHS EMC 2 Power 230 V max. : Earthi Rated Over Softwar NTC p Dry cc Digital Compi Auxilia	screw t res up to num perr supply: I inputs: ting temp ge tempe ting hum on status rmity 2011/65 2014/30/ Supply AC (+10 2 VA insu ng methe imputs voltage c are class gue input robes inputs ontact I outputs ressor re ary relay I or Type	erminal blocks 2,5 mm ² nitted length for 10 m (32.8 ft) 10 m (32.8 ft) perature rature idity s of the control of /CE UE % -15%), 50/6 lated in EV3 f ods for the control withstand volta ategory and structure s Sensor type Measurement f Resolution Sensor type Measurement f Resolution	block 2,5 n conne device WEEE 50 Hz V7 rol dev ge Field field Input digita Conta Prote 2 elec	s for m ² ; by re- ction cable 5 2012/19 (±3 Hz), ice (±3 Hz), ice 1 input (d act type r supply ction ctro-mech	wires equest es Analoq Digita From From Relativ 10 to 2 /EU LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 Cor evapo KTY 8 From 0.1 °C 83435 From 0.1 °C 83435 From 0.1 °C 83435 From 0.1 °C 83435 From 0.1 °C	up to gue input l outputs 0 to 55 ° -25 to 70 ve humin 90% 014/35/U VAC/DO z), max. PTC or N rator pro 1-121 (9' -50 to 15 C (1 °F) 5 (10 KΩ -40 to 10 C (1 °F) or analog tch/multi relays (ccc 16 A res 8 A res.	is: 10 m (32.8 ft) : 10 m (32.8 ft) C (from 32 to 131 °F) °C (from -13 to 158 °F) dity without condensate from rec (from -13 to 158 °F) dity without condensate from rec (from -13 to 158 °F) dity without condensate from rec (from -13 to 158 °F) dity without condensate from 1907/2006 JE C (+10% -15%), 50/60 F 3 VA/2W in EV3 N3 HTC probes (cabinet probe and be) 90 Ω @ 25 °C, 77 °F) 50 °C (from -58 to 302 °F) @ 25 °C, 77 °F) 95 °C (from -40 to 221 °F) ue input (auxiliary probe) of -purpose, dry contact) 5 VDC, 1.5 mA None None None None worperssor and auxiliary relay) . @ 250 VAC		
Fixed for win Maxim Power Digital Opera Storag Opera Polluti Confor RoHS EMC 2 Power 230 V max. : Earthi Rated Over Softwa Analog PTC pi NTC pi NTC p Dry cc Digital Compi Auxilia Type 2 Additio	screw t res up to num perr supply: I inputs: ting temp ge tempe ting hum on status rmity 2011/65 2014/30/ Supply AC (+10 2 VA insu ng methe imputs voltage c are class gue input robes inputs ontact I outputs ressor re ary relay I or Type	erminal blocks 2,5 mm ² nitted length for 10 m (32.8 ft) 10 m (32.8 ft) perature rrature rature didity /CE UE //CE //CE //CE //CE //CE //CE //	block 2,5 n conne device WEEE 50 Hz V7 rol dev ge Field field Input digita Conta Prote 2 elec	s for m ² ; by re- ction cable 5 2012/19 (±3 Hz), ice (±3 Hz), ice 1 input (d act type r supply ction ctro-mech	wires equest analog Digita From From Relativ 10 to 2 /EU LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 Cor evapo KTY 8 From 0.1 °C shart SPST, SPDT,	up to gue input l outputs 0 to 55 ° -25 to 70 ve humin 90% 014/35/U VAC/DO z), max. PTC or N rator pro 1-121 (9' -50 to 15 C (1 °F) 5 (10 KΩ -40 to 10 C (1 °F) or analog tch/multi relays (ccc 16 A res 8 A res.	is: 10 m (32.8 ft) : 10 m (32.8 ft) C (from 32 to 131 °F) °C (from -13 to 158 °F) dity without condensate from rec (from -13 to 158 °F) dity without condensate from rec (from -13 to 158 °F) dity without condensate from rec (from -13 to 158 °F) dity without condensate from 1907/2006 JE C (+10% -15%), 50/60 F 3 VA/2W in EV3 N3 HTC probes (cabinet probe and be) 90 Ω @ 25 °C, 77 °F) 50 °C (from -58 to 302 °F) @ 25 °C, 77 °F) 95 °C (from -40 to 221 °F) ue input (auxiliary probe) of -purpose, dry contact) 5 VDC, 1.5 mA None None None None worperssor and auxiliary relay) . @ 250 VAC		
Fixed for win Maxim Power Digital Opera Storag Opera Polluti Confor RoHS EMC 2 Power 230 V max. : Earthin Rated Over Softwa Softwa Softwa NTC p DTC pi NTC p DTC pi Dry cc Digital Compi Auxilia Type 1 Additid tions	screw t res up to num perr supply: I inputs: ting tem ge temped ting hur on statu: rmity 2011/65 2014/30/ supply (AC (+10 2 VA insu ng meth- impulse voltage c are class gue input robes inputs ontact I outputs ary relay 1 or Typo onal feat	erminal blocks 2,5 mm ² nitted length for 10 m (32.8 ft) 10 m (32.8 ft) perature rature idity s of the control of /CE UE % -15%), 50/6 lated in EV3 f ods for the control withstand volta ategory and structure s Sensor type Measurement f Resolution Sensor type Measurement f Resolution	block 2,5 n conne device WEEE 50 Hz V7 rol dev ge Field field Input digita Conta Prote 2 elec	s for m ² ; by re- ction cable 5 2012/19 (±3 Hz), ice (±3 Hz), ice 1 input (d act type r supply ction ctro-mech	wires equest es Analog Digita From Relativ 10 to 2 /EU LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 LVD 2 Z (±3 H None 4 KV III A 2 for evapo KTY 8 From C SPDT, Type C	up to gue input l outputs 0 to 55 ° -25 to 70 ve humin 90% 014/35/L VAC/DC z), max. PTC or N rator pro 1-121 (9! -50 to 15 2 (1 °F) 5 (10 KΩ -40 to 10 C (1 °F) or nanlog tch/multi 	s: 10 m (32.8 ft) : 10 m (32.8 ft) C (from 32 to 131 °F) °C (from -13 to 158 °F) dity without condensate from REACH (EC) Regulation 1907/2006 JE C (+10% -15%), 50/60 F 3 VA/2W in EV3 N3 TC probes (cabinet probe and be) 90 Ω @ 25 °C, 77 °F) 50 °C (from -58 to 302 °F) @ 25 °C, 77 °F) 15 °C (from -40 to 221 °F) ue input (auxiliary probe) of -purpose, dry contact) 5 VDC, 1.5 mA None None None None None None 250 VAC @ 250 VAC		
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4	49	AA	0	select value for high/low temper-	0 = regulation temperature		97	Hd2	h-	2nd daily defrost time	h- = disabled
				ature alarms	1 = evaporator temperature	٩O	98	Hd3	h-	3rd daily defrost time	h- = disabled
					2 = auxiliary temperature		99	Hd4	h-	4th daily defrost time	h- = disabled
5	50	A1	-10.0	threshold for low temperature	-99 99 °C/°F		100	Hd5	h-	5th daily defrost time	h- = disabled
				alarm			101	Hd6	h-	6th daily defrost time	h- = disabled
5	51	A2	2	low temperature alarm type	0 = disabled	-	Ν.	PAR.	DEF.	SAFETIES	MIN MAX.
					1 = relative to setpoint	$\overline{\mathcal{O}}$	102	POF	1	enable ON/STAND-BY key	0 = no 1 = yes
					2 = absolute		103	PAS	-19	password	-99 999
5	52	A4	10.0	threshold for high temperature	-99 99 °C/°F	~	104	PA1	426	level 1 password	-99 999
				alarm			105	PA2	824	level 2 password	-99 999
5	53	A5	2	high temperature alarm type	0 = disabled		Ν.	PAR.	DEF.	REAL TIME CLOCK	MIN MAX.
					1 = relative to setpoint	B	106	Hr0	1	enable clock	0 = no 1 = yes
×3					2 = absolute	-	Ν.	PAR.	DEF.	DATA-LOGGING EVLINK	MIN MAX.
5	54	A6	12	high temperature alarm delay af-	0 99 min x 10		107	bLE	1	enable Bluetooth	0 = no 1 = yes
H				ter power-on			108	rE0	15	data-logger sampling interval	0 240 min
1	55	A7	15	high/low temperature alarms de- lay	0 240 min	60	109	rE1	1	recorded temperature	0 = none 1 = cabinet
Ę	56	A8	15	high temperature alarm delay af-	0 240 min						2 = evaporator 3 = auxiliary
				ter defrost							4 = cabinet and evaporator
5	57	A9	15	high temperature alarm delay af-	0 240 min						5 = all
				ter door closing		-	N.	PAR.	DEF.	MODBUS	MIN MAX.
	58 /	A10	10	0 power failure duration for alarm 0 240 min recording			110	LA	247	MODBUS address	1 247
-	59 /	A11	2.0	high/low temperature alarms re-	1 15 °C/°F		111	Lb	2	MODBUS baud rate	0 = 2,400 baud
	, ,			set differential	1 13 -C/ -F	ld					1 = 4,800 baud
		l		Set unrerentia							2 = 9,600 baud
											3 = 19,200 baud
											parity even

X . uxiliary abinet and evaporator

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

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