

- the (I) LED shall be on.
 - switched off and the (LED shall be on. 3.4 Temperature display as detected by the probes
 - 1. Make sure that the keyboard is not locked and that no procedure is in progress.
 - first label available
 - 4. Touch the aset key.
 - labels and the temperature displayed.

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1.1

1.2

1.3

2.1

2.2

device terminal board

- Pb2 if the P4 parameter is set to 1 or 2, evaporator temperature if the P4 parameter is set to 3, condenser tempera-

- Touch the () key.
- before powering it check that the power supply voltage, mains frequency and electric power fall within the set limits; see chap

Warnings for the electric connection

do not use electric or pneumatic screwdrivers on the

if the device has been taken from a cold to hot place,

humidity could condense inside; wait about 1 hour

9 10 11 1

9 10 11 12

P4 = 1 or 2

P4 = 3

- If the device is switched off, the display will be switched off;
- If the device is in "low consumption" mode, the display will be
- 2. Touch the | \vee | key for 4 s: the display will show the
- 3. Touch the $\land \Re$ or \lor key to select a label.
- The following table shows the correspondence between the

Label Displayed temperature

- Pb1 room temperature
- To exit the procedure:
- 5. Touch the set | key or do not operate for 60 s.

- If the second analog input is absent (that is to say, if the P4 parameter is set to 0), the "Pb2" label shall not be displayed.
 - Make sure that the manufacturer's settings are appropriate; see chapter 9.

device will exit the procedure.

Cut the device power supply off.

Touch the \bigwedge or \bigvee key within 15 s.

9. Touch the set key or do not operate for 15 s.

10. Touch the set | key for 4 s or do not operate for 60 s

After setting the parameters, suspend power supply flow to

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

Touch the $\land H$ or \lor key within 15 s to set

Touch the \bigwedge or \bigvee key within 15 s to set "4".

Touch the | aset | key or do not operate for 15 s: the

display will show a flashing "- - -" for 4 s, after which the

5. Touch the key or do not operate for 15 s: the

To exit the procedure

To access the procedure:

3. Touch the SET key.

display will show "dEF".

Touch the aser key.

the device.

``149″

(any changes will be saved).

4.3 Manufacturer's settings

To restore the manufacturer's settings:

1. Make sure no procedure is in progress.

75.0 x 33.0 x 81.5 mm (2.952 x 1.299 x 3.208 in; L x H x P) with removable screw connection terminal blocks. Method of mounting the command device: on panel,

TECHNICAL DATA

Technical data

normal operation.

8 1

device

device

- check the condenser temperature; see C6 pawith snap-in brackets. rameter
- Main consequences:

lain consequences:

Door switch input alarm

lain consequences:

Main consequences

COH Condenser overheated alarm

see i0 and i1 parameters

see i0 and i1 parameters

Solutions:

Solutions:

Solutions:

id

iA

the device will continue to operate normally

check the room temperature; see A4 parameter

the device will continue to operate normally

check the causes of the activation of the input:

the effect established with the i0 parameter

check the causes of the activation of the input:

the effect established with the i0 parameter

Multifunction input alarm or pressure switch alarm

- Container: arey self-extinguishing. Heat and fire protection class: D. Dimensions: according to model: 75.0 x 33.0 x 59.0 mm (2.952 x 1.299 x 2.322 in; L x H x P) with fixed screw connection terminal blocks Shell protection rating: IP65 (the front one). Connection method: according to model: fixed screw connection terminal blocks for wires up to 2.5
- inputs and digital outputs removable screw connection terminal blocks for wires up
 - digital inputs and digital outputs.

check the condenser temperature; see C7 pa-

switch the device off and back on again; if when the device is switched back on, the temperature of the condenser is still higher than that established in C7 parameter, disconnect the power supply and clean the condenser

check the integrity of the evaporator probe; see

check that the probe is the PTC or NTC type:

compressor activity will depend on C4 and C5

the same as in the previous example, but with regard to the evaporator probe or the condenser

if P4 parameter is set at 1, the defrost interval will last for the amount of time set with d3

if P4 parameter is set at 1 and d8 parameter is set at 2 or to 3, the device will operate as if d8

if P4 parameter is set at 1 or 2 and F0 parameter is set at 3 to 4, the device will operate as if

if P4 parameter is set at 3, the condenser overheated alarm (code "COH") will never be acti-

down alarm (code "CSd") will never be acti-

When the cause of the error disappears, the device restores

Purpose of the command device: operating command

Construction of the command device: built-in electronic

mm² (0.0038 in²): power supply, analog inputs, digital

to 2.5 mm² (0.0038 in²): power supply, analog inputs,

The maximum lengths of the connection cables are: power supply: 10 m (32.8 ft) analog inputs: 10 m (32.8 ft) digital inputs: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft) Operating temperature: from 0 to 55 °C (from 32 to 131 Storage temperature: from -25 to 70 °C (from -13 to 158 °F) Humidity for use: from 10 to 90 % relative humidity without condensate Command device pollution situation: 2. **Environmental standards:** RoHS 2011/65/CE WEEE 2012/19/EU REACH (CE) regulation n. 1907/2006. EMC standards: EN 60730-1 IEC 60730-1 Power supply: 230 VAC (+10 % -15%), 50... 60 Hz (±3 Hz), 2 VA Control device grounding method: none Rated impulse voltage: 4 KV Overvoltage category: III. Class and structure of software: A. Analog inputs: 2 inputs (room temperature probe and evaporator probe or condenser probe) configurable via configuration parameter for PTC or NTC probes. Analog inputs PTC (990 Ω @ 25 °C, 77 °F) Type of sensor: KTY 81-121. from -50 to 150 °C (from -58 Measurement field: to 302 °F). Resolution: 0.1 °C (1 °F). Analog inputs NTC (10 KΩ @ 25 °C, 77 °F) Type of sensor: ß3435. from -40 to 105 °C (from -40 Measurement field to 221 °F). Resolution: 0.1 °C (1 °F). Digital inputs: 1 input (door switch input or multifunction input) Digital inputs (free of voltage contact 5 VDC 1.5 mA) Displays: 3 digit custom display, with function icons. Digital outputs: 1 output (SPST electromechanical relay with 16 A res. @ 250 VAC) for compressor management in model

EV/3B23 1 output (SPST electromechanical relay with 30 A res. @ 250 VAC) for compressor management in model FV3B33

1 output (SPDT electromechanical relay with 8 A res. @ 250 VAC) for defrost management

1 output (SPST electromechanical relay with 5 A res. @ 250 VAC) for evaporator fan management

The maximum allowable current on the loads in 10 A.

Classification of the command device according to protection against electric shock: class II, according to the EMC standard EN 60730-1 §2.7.5. Type 1 or Type 2 actions: type 1.

Complementary features of Type 1 or Type 2 actions:

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1				CONF	GURATION PARAMETERS	. d7	0	15	min	2	dripping duration (during dripping the compressor will remain switched off and the defract output will remain deactivated; evaporator fan activity will depend				
.1	Working MIN.		U.M.	DEF.	WORKING SETPOINT						the defrost output will remain deactivated; evaporator fan activity will depend on F2 parameter)				
	r1	r2	°C/°F (1)	0,0	working setpoint; see also r0 and r12	d8	0	3		0	defrost activation methods 0 = <u>AT INTERVALS - FOR TIME</u> - defrost will be activated once the device				
.2 PARAM.	Paramet MIN.	ridico	nfigurazi	DEF.	WORKING SETPOINT						has altogether been running for time d0 1 = <u>AT INTERVALS - FOR COMPRESSOR SWITCH-ON</u> - defrost will be acti-				
SP	r1	r2	°C/°F (1)		working setpoint; see also r0 and r12						vated once the compressor has altogether been switched on for time				
ARAM.	MIN.	MAX.	U.M.	DEF.	ANALOG INPUTS						d0		0	1	-
CA1 CA2	-25 -25	25,0 25,0	°C/°F (1) °C/°F (1)		room probe offset if P4 = 1 or 2, evaporator probe offset						2 = <u>AT INTERVALS - FOR EVAPORATOR TEMPERATURE</u> - defrost will be activated when the evaporator temperature has remained below the			-	
CAL	25	23,0	0/1 (1)	0,0	if $P4 = 3$, condenser probe offset						temperature d9 for a total time of d0 (10)				
P0	0	1		1	probe type (0 = PTC; 1 = NTC)						3 = <u>ADAPTIVE</u> - defrost will be activated at intervals, whose duration will	i2	-1	120	n
P1	0	1		1	degree Celsius decimal point (during normal operation) 1 = YES						each time depend on the duration of compressor switch-ons, the evapo- rator temperature and the door switch input activation; see also d18,				
P2	0	1		0	unit of measurement for temperature (2)	-					d19, d20, d22, i13 and i14 (10)				
					0 = °C (Celsius degree; resolution depends on P1 parameter)	d9	-99	99,0	°C/°F (1)	0,0	evaporator temperature is higher than that at which the defrost interval counter				
P4				- 1	1 = °F (Fahrenheit degree; resolution is 1 °F)			1		0	is suspended (only if $d8 = 2$)				
P4	0	3		1	second analog input function 0 = absent	d11	0	1		0	defrost alarm switches off once maximum time limit has been reached (code "dFd"; only if P4 = 1 and in absence of evaporator probe error (code "Pr2")	i3	-1	120	m
					1 = evaporator probe (defrost probe and probe determining the activit	r					1 = YES				
					of the evaporator fan)	d15	0	99	min	0	minimum time that the compressor must be switched on before defrost can be		0	999	m
					2 = evaporator probe (probe determining the activity of the evaporato fan)		0	999	min	40	activated (only if $d1 = 1$) (11) defrost interval (defrost will be activated when the compressor has been on	110			
					3 = condenser probe	010		555		40	totally, with the evaporator temperature below that of d22, for time d18; only if				
P5	0	2		0	magnitude displayed during normal operation	-					d8 = 3)		0	240	
					0 = room temperature	410	0.0	40.0	°C/°F (1)	20	0 = defrost will never be activated due to the effect of this condition	112		240	
					1 = working setpoint 2 = if P4 = 0, ""	d19	0,0	40,0	C/*F (1)	3,0	evaporator temperature below which the defrost is activated (relative to the evaporator temperatures average, or "evaporator temperatures average - d19";				
					if $P4 = 1$ or 2, evaporator temperature						only if $d8 = 3$)	i14	0	240	m
			1		if P4 = 3, condenser temperature	d20	0	999	min	180	minimum consecutive time the compressor must be switched on such as to				
P8 PARAM.	0 MIN.	250 MAX.	0,1 s U.M.	5 DEF.	delayed display of temperature changes as detected by the probes MAIN REGULATOR						provoke the defrost activation 0 = defrost will never be activated due to the effect of this condition	PARAM.	. MIN.	MAX.	U.
r0	0,1	15,0	°C/°F (1)	2,0	working setpoint differential; see also r12	d22	0,0	19,9	°C/°F (1)	2,0	evaporator temperature above which the defrost interval count shall be sus-	HE2	0	999	m
r1	-99	r2	°C/°F (1)		minimum working setpoint						pended (relating to the average of evaporator temperatures, that is to say,				
r2	r1	99,0	°C/°F (1)		maximum working setpoint	DADAM		MAX		0.55	"evaporator temperatures average + $d22$ "; only if $d8 = 3$); see also $d18$	HE3	0	240	m
r4	0,0	99,0	°C/°F (1)	0,0	working setpoint increase during the "energy saving" function; see also i0, i1 and HE2	PARAM.	MIN. 0,0	MAX. 99,0	U.M. °C/°F (1)	DEF. 10,0	TEMPERATURE ALARMS room temperature below which the minimum temperature alarm is triggered	1123		210	
r5	0	1		0	cooling or heating operation (3)	- 71	0,0	55,0		10,0	(code " AL "; it concerns the working setpoint, that is to say, "working setpoint -				
					0 = cooling						A1"); see also A11	PARAM. POF	. MIN. 0	MAX.	U.
r12	0	1		1	1 = heating working setpoint differential type		0,0	00.0	°C/°F (1)	10.0	0 = alarm absent room temperature above which the maximum temperature alarm is triggered	POF			-
112	0			1	0 = asymmetric	/\ \	0,0	99,0		10,0	(code " AH "; it concerns the working setpoint, that is to say, "working setpoint +	PAS	-99	999	m
					1 = symmetric	_					A4"); see also A11				
PARAM.	MIN.	MAX.	U.M.	DEF.	COMPRESSOR PROTECTION SYSTEM				10	10	0 = alarm absent	Notes:			
C0 C2	0	240 240	min min	0	delay in switching on of compressor after the device switches on (4) minimum compressor switch-off duration (5)	A6	0	99	10 min	12	delay in maximum temperature alarm (code " AH ") after the device is switched on (4)	(1)	the unit	of measu	reme
C3	0	240	s	0	minimum duration of compressor switch on time	A7	0	240	min	15	minimum temperature alarm delay (code "AL") and maximum temperature	(2)		set the pa	
C4	-	240									alarm delay (code "AH")	(0)		ameter is	set a
C4	0	240	min	0	duration of compressor switch off time during a room temperature probe erro						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(3)	•	notor	
		240			(code " Pr1 "); see also C5	A8	0	240	min	15	delay in maximum temperature alarm (code "AH") from the conclusion of	(3) (4)	F1 parar	neter meter has	effe
C4	0		min	0		A8	0	240	min	15 15	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(4) (5)	F1 parar the para the time	meter has set by pa	arame
		240		10	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat</pre>	A8 A9	0	240	min	15	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13)	(4) (5) (6)	F1 parar the para the time the diffe	meter has set by pa rential of	arame parai
C5 C6	0	240 240 199	min °C/°F (1)	10 80,0	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6)</pre>	A8 A9 A11	0	240	min °C/°F (1)	15 2,0	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters	(4) (5)	F1 parar the para the time the diffe if when	meter has set by pa rential of the device	arame parai e is s'
C5	0	240 240	min	10 80,0	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat</pre>	A8 A9 A11	0	240	min	15 2,0	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN	(4) (5) (6)	F1 parar the para the time the diffe if when the c8	meter has set by pa rential of	arame parai e is s er will
C5 C6 C7 C8	0,0	240 240 199 199 15	min °C/°F (1)	10 80,0 90,0	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i</pre>	A8 A9 A11 PARAM.	0 0,1 MIN.	240 15,0 MAX.	min °C/°F (1) U.M.	15 2,0 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off	(4) (5) (6) (7)	F1 parar the para the time the diffe if when the then C8 the value the displ	meter has set by pa rential of the device paramete a Δt deper ay restore	param para e is s er will nds o es no
C5 C6 C7 C8 PARAM.	0 0,0 0,0 0 MIN.	240 240 199 199 15 MAX.	min °C/°F (1) °C/°F (1) min U.M.	10 80,0 90,0 1 DEF.	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST</pre>	A8 A9 A11 PARAM.	0 0,1 MIN.	240 15,0 MAX.	min °C/°F (1) U.M.	15 2,0 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14)	(4) (5) (6) (7) (8) (9)	F1 parar the para the time the diffe if when t then C8 the value the displ value that	meter has set by parential of the device paramete Δt deper lay restore at locked	param para e is s er wil nds c es no the c
C5 C6 C7 C8	0,0	240 240 199 199 15	min °C/°F (1) °C/°F (1) min	10 80,0 90,0	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval</pre>	A8 A9 A11 PARAM.	0 0,1 MIN.	240 15,0 MAX.	min °C/°F (1) U.M.	15 2,0 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15)	(4) (5) (6) (7) (8)	F1 parar the para the time the diffe if when the then C8 the value the displ value that if P4 par	meter has set by pa rential of the device paramete a Δt deper ay restore	parame parame is s er will nds o es no the o set a
C5 C6 C7 C8 24	0 0,0 0,0 0 MIN.	240 240 199 199 15 MAX.	min °C/°F (1) °C/°F (1) min U.M.	10 80,0 90,0 1 DEF.	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST</pre>	A8 A9 A11 PARAM.	0 0,1 MIN.	240 15,0 MAX.	min °C/°F (1) U.M.	15 2,0 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14)	(4) (5) (6) (7) (8) (9) (10)	F1 parar the para the time the diffe if when the then C8 the value the displ value that if P4 par if when paramet	meter has set by parential of the device paramete $\Delta \Delta$ dependary restored at locked ameter is defrost is er, the con	arame parame e is s er will nds o es no the d set a activ mpre
C5 C6 C7 C8 24	0 0,0 0,0 0 MIN.	240 240 199 199 15 MAX.	min °C/°F (1) °C/°F (1) min U.M.	10 80,0 90,0 1 DEF.	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost</pre>	A8 A9 A11 PARAM. F0	0 0,1 MIN. 0	240 15,0 MAX. 4	min °C/°F (1) U.M.	15 2,0 DEF. 3	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched off, F5, i10 and HE2 (16) (18)	(4) (5) (6) (7) (8) (9) (10) (11)	F1 parar the para the time the diffe if when the then C8 the value the displ value that if P4 par if when paramet shall be	meter has set by parential of the device paramete Δt dependary restored at locked ameter is defrost is er, the contactional activated	arame parame e is s er will nds o es no the o set a activ mpre
C5 C6 C7 C8 2ARAM. d0	0 0,0 0,0 0 MIN. 0	240 240 199 199 15 MAX. 99	min °C/°F (1) °C/°F (1) min U.M. h	10 80,0 90,0 1 DEF. 8	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and the </pre>	A8 A9 A11 PARAM. F0 F1	0 0,1 MIN.	240 15,0 MAX. 4	min °C/°F (1) U.M.	15 2,0 DEF. 3	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched or; see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the	(4) (5) (6) (7) (8) (9) (10)	F1 parar the para the time the diffe if when the then C8 the value the displ value the if P4 par if when paramet shall be during d	meter has set by parential of the device paramete $\Delta \Delta$ dependary restored at locked ameter is defrost is er, the con	parame parame is si er will nds o es no the d set a activ mpre
C5 C6 C7 C8 PARAM. d0	0 0,0 0,0 0 MIN. 0	240 240 199 199 15 MAX. 99	min °C/°F (1) °C/°F (1) min U.M. h	10 80,0 90,0 1 DEF. 8	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval Vype of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th</pre>	A8 A9 A11 PARAM. F0 F1	0 0,1 MIN. 0	240 15,0 MAX. 4 99,0	min °C/°F (1) U.M.	15 2,0 DEF. 3	 delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor; switched off, depending on F1 if the compressor is switched off, see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched off, see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the evaporator fan is switched off (only if F0 = 3 o 4) (6) 	(4) (5) (6) (7) (8) (9) (10) (11)	F1 parar the para the time the diffe if when the ratu then C8 the value the value the value the value the value the value the displ value that if P4 par if when paramet shall be during d was trigg	meter has set by pa rential of the device paramete a Δt deper at locked a meter is defrost is er, the con activated efrost, dri	arama paran e is s er will nds o es no the d set a activ mpre
C5 C6 C7 C8 2ARAM. d0	0 0,0 0,0 0 MIN. 0	240 240 199 199 15 MAX. 99	min °C/°F (1) °C/°F (1) min U.M. h	10 80,0 90,0 1 DEF. 8	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and the </pre>	A8 A9 A11 PARAM. F0 F1 F2	0 0,1 MIN. 0	240 15,0 MAX. 4	min °C/°F (1) U.M. °C/°F (1)	15 2,0 DEF. 3	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched or; see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) 	F1 parar the para the time the diffe if when 1 then C8 the value the displ value the if P4 par if when paramet shall be during d was trigg during a signaled	meter has set by pa- rential of the device paramete Δt deper ay restorr at locked ameter is defrost is er, the con activated efrost, dri gered afte ctivation after the	arame paran e is si er will nds o es no the d set a activ mpre ipping er def of the activ
C5 C6 C7 C8 2ARAM. d0	0 0,0 0,0 0 MIN. 0	240 240 199 199 15 MAX. 99	min °C/°F (1) °C/°F (1) min U.M. h	10 80,0 90,0 1 DEF. 8	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th</pre>	A8 A9 A11 PARAM. F0 F1 F2	0 0,1 MIN. 0	240 15,0 MAX. 4 99,0	min °C/°F (1) U.M. °C/°F (1)	15 2,0 DEF. 3	 delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the evaporator fan activity during defrost and dripping 0 = switched off 1 = switched off 	(4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14)	F1 parar the para the time the diffe if when C8 the value the displ value the if P4 par if vhen c paramet shall be during a signaled F4 and F	meter has set by pa rential of the device paramete e Δt deper al locked ameter is defrost is er, the coi activated efrost, dri gered afte ctivation after the 5 parame	arame parare e is sw er will nds o es no the d set a activ mpres ipping er defi of the activ eters
C5 C6 C7 C8 PARAM. d0	0 0,0 0,0 0 MIN. 0	240 240 199 199 15 MAX. 99	min °C/°F (1) °C/°F (1) min U.M. h	10 80,0 90,0 1 DEF. 8	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th</pre>	A8 A9 A11 PARAM. F0 F1 F2	0 0,1 MIN. 0 -99	240 15,0 MAX. 4 99,0 2	min PC/°F (1) U.M. PC/°F (1) 	15 2,0 DEF. 3 -1,0	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched off, f5 = 1) which the evaporator fan activity during defrost and dripping 0 0 = switched off 1 = switched off	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) 	F1 parar the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F	meter has set by pa- rential of the device paramete Δt deper ay restorr at locked ameter is defrost is er, the con activated efrost, dri gered afte ctivation after the	arame parar e is su er will nds o es no the d set a activ mpre: " pping er defi dof the activ eters eters
C5 C6 C7 C8 2ARAM. d0	0 0,0 0,0 0 MIN. 0	240 240 199 199 15 MAX. 99	min °C/°F (1) °C/°F (1) min U.M. h	10 80,0 90,0 1 DEF. 8	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th</pre>	A8 A9 A11 PARAM. F0 F0 F1 F2 F1 F2	0 0,1 MIN. 0	240 15,0 MAX. 4 99,0	min °C/°F (1) U.M. °C/°F (1)	15 2,0 DEF. 3	 delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the evaporator fan activity during defrost and dripping 0 = switched off 1 = switched off 	(4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15)	F1 parar the para the time the diffe if when t then C8 the value the displ value tha if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F F4 and F	meter has set by pa rential of the device paramete a Δt deper a y restorn at locked ameter is defrost is er, the con activated efrost, dri gered afte ctivation after the 55 parame ameter is 5 parame	arame parar e is sw er will nds ou es no the di set a active mpres ipping er defr of the active set a set as active set active a
C5 C6 C7 C8 PARAM. d0 d1	0 0,0 0,0 0 MIN. 0	240 240 199 15 MAX. 99 2	min °C/°F (1) °C/°F (1) min U.M. h	10 80,0 90,0 1 DEF. 8	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "COH") (6) compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval Vype of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th defrost output will be activated; evaporator fan activity will depend on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on and the defrost output will be activated; evaporator fan activity will depend on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain switched off and the defrost output will remain deactivated evaporator fan activity will depend on F2 parameter</pre>	A8 A9 A11 PARAM. F0 F1 F2 F3	0 0,1 MIN. 0 -99 0	240 15,0 MAX. 4 99,0 2 15	min °C/°F (1) U.M. °C/°F (1) min	15 2,0 DEF. 3 -1,0 0	 delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the evaporator fan activity during defrost and dripping 0 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan standstill (during evaporator fan deactivated and the evaporator fan will remain switched off) 	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) 	F1 parar the para the time the diffe if when 1 then C8 the value the value t	meter has set by parential of the device parametee Δt depended and Δt restorm at locked ameter is defrost is er, the con- activated efrost, dri- gered after ctivation after the 55 parameter 55	arame parar e is sv er will nds oi es no the d set a activ mpres pping er defi of the activ eters l set a set a
C5 C6 C7 C8 PARAM. d0 d1 d1	0 0,0 0,0 0 MIN. 0 0	240 240 199 15 MAX. 99 2 2	min °C/°F (1) °C/°F (1) min U.M. h 	10 80,0 90,0 1 DEF. 8 0	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th</pre>	A8 A9 A11 PARAM. F0 F0 F1 F2 F1 F2	0 0,1 MIN. 0 -99	240 15,0 MAX. 4 99,0 2	min PC/°F (1) U.M. PC/°F (1) 	15 2,0 DEF. 3 -1,0	 delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off (only if F5 = 0) or below (if r5 = 1) which the evaporator fan activity during defrost and dripping 0 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan switched off) duration of evaporator fan switched off) 	(4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16)	F1 parar the para the time the diffe if when C8 the value the displ value the if P4 par if P4 par shall be during d was trigg during a signaled F4 and F F4 and F F4 and F F4 and F	meter has set by pa rential of the device paramete e Δt deper ay restorn at locked ameter is defrost is er, the con activated effrost, dri gered afte ctivation after the c5 parame ameter is 5 parame er 5 parame	arame parare e is su er will nds o es no the d set a activ mpre: define of the activ eters set a eters l
C5 C6 C7 C8 ARAM. d0 d1	0 0,0 0,0 0 MIN. 0	240 240 199 15 MAX. 99 2	min °C/°F (1) °C/°F (1) min U.M. h	10 80,0 90,0 1 DEF. 8	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th</pre>	A8 A9 A11 PARAM. F0 F1 F2 F3 F4	0 0,1 MIN. 0 -99 0 0	240 15,0 MAX. 4 99,0 2 15 240	min PC/°F (1) U.M. PC/°F (1) PC/°F (1) min 10 s	15 2,0 DEF. 3 -1,0 0 2 30	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor is switched off, depending on F1 if the compressor is switched off, depending on F1 if the compressor is switched off, f5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, f5 = 1) which the evaporator fan is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator fan is switched off (only if F0 = 3 o 4) (6) evaporator fan activity during defrost and dripping 0 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan standstill (during evaporator fan deactivation the compressor can be switched on, the defrost output will remain deactivated and the evaporator fan will remain switched off) duration of evaporator fan switch off during "energy saving" function; see also F5, i10 and HE2	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) 	F1 parar the para the time the diffe if when t then C8 the value the disply value the if P4 par if when u shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera	meter has set by parential of the device parametee Δt depended and Δt restorm at locked ameter is defrost is er, the con- activated efrost, dri- gered after ctivation after the 55 parameter 55	arame parar e is sv er will nds oo es no the d set a activ mpres ipping er defi of the activ eters l set a activ eters l set a set a set a set a activ
C5 C6 C7 C8 ARAM. d0 d1 d1	0 0,0 0,0 0 MIN. 0 0	240 240 199 15 MAX. 99 2 2	min °C/°F (1) °C/°F (1) min U.M. h 	10 80,0 90,0 1 DEF. 8 0	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th</pre>	A8 A9 A11 PARAM. F0 F1 F2 F3	0 0,1 MIN. 0 -99 0	240 15,0 MAX. 4 99,0 2 15	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) min 10 s 10 s	15 2,0 DEF. 3 -1,0 0	 delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off (only if F5 = 0) or below (if r5 = 1) which the evaporator fan activity during defrost and dripping 0 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan switched off) duration of evaporator fan switched off) 	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete e Δt deper all restore all locked ameter is defrost is er, the con- con- activated efrost, dri gered after ctivation after the 5 parameter is 5 parameter er 5 parameter er	arame parare parar e is sv er will nds o es no the d set a activ mpres pping er defi of the activ. eters l eters l eters l eters l eters l eters l
C5 C6 C7 C8 ARAM. d0 d1 d1	0 0,0 0,0 0 MIN. 0 0	240 240 199 15 MAX. 99 2 2	min °C/°F (1) °C/°F (1) min U.M. h 	10 80,0 90,0 1 DEF. 8 0	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "COH") (6) compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval Variable (code "CSd") 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th defrost output will be activated; evaporator fan activity will depend on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on an the defrost output will be activated; evaporator fan activity wi depend on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain switched off and the defrost output will remain deactivated evaporator temperature at end of defrost; see also d3 if P4 = 0, 2 or 3, defrost duration if P4 = 1, maximum defrost duration; see also d2 0 = defrost will not be activated defrost when device is switched on (4) </pre>	A8 A9 A11 PARAM. F0 F1 F2 F1 F2 F1 F2 F3 F3 F4 F5 F5 PARAM.	0 0,1 MIN. 0 -99 0 0 0 0 0 0 0 0 0 0 0 0 0 0	240 15,0 MAX. 4 99,0 2 15 240 240 MAX.	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) results nin 10 s 10 s U.M.	15 2,0 DEF. 3 -1,0 0 2 2 30 30 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched or; see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the evaporator fan activity during defrost and dripping 0 = switched off 1 = switched off 1 = switched off 2 = depending on F0 duration of evaporator fan standstill (during evaporator fan deactivation the compressor can be switched on, the defrost output will remain deactivated and the evaporator fan switch off during "energy saving" function; see also F5, i10 and HE2 duration of evaporator fan switch off during "energy saving" function; see also F5, i10 and HE2 DIGITAL INPUTS	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame	arame parare e is suer will nds o ees no the d set a activ mpre: "pping er defin of the activ eters activ eters activ eters activ eters activ
C5 C6 C7 C8 ARAM. d0 d1 d1 d1 d2 d3 d4	0 0,0 0,0 0 MIN. 0 0 0	240 240 199 15 MAX. 99 2 2 99,0 99,0 99	min °C/°F (1) min U.M. h °C/°F (1) min °C/°F (1) min	10 80,0 90,0 1 DEF. 8 0 0 2,0 30	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th defrost output will be activated; evaporator fan activity will depen on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on and the defrost output will be activated; evaporator fan activity will depend on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain switched off and the defrost output will remain deactivated evaporator fan activity will depend on F2 parameter evaporator temperature at end of defrost; see also d3 if P4 = 0, 2 or 3, defrost duration if P4 = 1, maximum defrost duration; see also d2 0 = defrost will not be activated defrost when device is switched on (4) 1 = YES</pre>	A8 A9 A11 PARAM. F0 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F3 F3 F4 F5 F5 F4 F5	0 0,1 MIN. 0 -99 0 0 0 0	240 15,0 MAX. 4 99,0 2 15 240 240	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) min 10 s 10 s	15 2,0 DEF. 3 -1,0 0 2 30 30	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator fan is switched on; see also F4, F5, i10 and HE2 (16) (17) 4 4 = switched off (only if F0 = 3 o 4) (6) evaporator fan activity during defrost and dripping 0 0 = switched on 2 = depending on F0 duration of evaporator fan standstill (during evaporator fan deactivation the compressor can be switched on, the defrost output will remain deactivated and the evaporator fan switch off during "energy saving" function; see also F5, i10 and HE2 duration of evaporator fan switch on during "energy saving" function; see also F4, i10 and HE2	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame	arame parate parate parate parate ser will ands o es no the d set a activ mpre depring er def of th activ eters eters eters eters switc
C5 C6 C7 C8 ARAM. d0 d1 d1 d1 d2 d3	0 0,0 0,0 0 MIN. 0 0 0	240 240 199 15 MAX. 99 2 2 2 99,0 99,0	<pre>min</pre>	10 80,0 90,0 1 DEF. 8 0 0	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "COH") (6) compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval Variable (code "CSd") 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th defrost output will be activated; evaporator fan activity will depend on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on an the defrost output will be activated; evaporator fan activity wi depend on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain switched off and the defrost output will remain deactivated evaporator temperature at end of defrost; see also d3 if P4 = 0, 2 or 3, defrost duration if P4 = 1, maximum defrost duration; see also d2 0 = defrost will not be activated defrost when device is switched on (4) </pre>	A8 A9 A11 PARAM. F0 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F3 F3 F4 F5 F5 F4 F5	0 0,1 MIN. 0 -99 0 0 0 0 0 0 0 0 0 0 0 0 0 0	240 15,0 MAX. 4 99,0 2 15 240 240 MAX.	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) results nin 10 s 10 s U.M.	15 2,0 DEF. 3 -1,0 0 2 2 30 30 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the evaporator fan activity during defrost and dripping 0 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan switched off during evaporator fan deactivation the compressor can be switched on, the defrost output will remain deactivated and the evaporator fan switch off during "energy saving" function; see also F4, i10 and HE2 duration of evaporator fan switch of during "energy saving" function; see also F4, i10 and HE2 duration of evaporator fan switch on du	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame	arame parate parate parate parate ser will ands o es no the d set a activ mpre depring er def of th activ eters eters eters eters switc
C5 C6 C7 C8 ARAM. d0 d1 d1 d1 d2 d3 d4	0 0,0 0,0 0 MIN. 0 0 0	240 240 199 15 MAX. 99 2 2 99,0 99,0 99	min °C/°F (1) min U.M. h °C/°F (1) min °C/°F (1) min	10 80,0 90,0 1 DEF. 8 0 0 2,0 30	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th defrost output will be activated; evaporator fan activity will dependent on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on and the defrost output will be activated; evaporator fan activity will dependent the defrost output will be activated; evaporator fan activity will depend on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain switched off and the defrost; see also d3 if P4 = 0, 2 or 3, defrost duration; see also d2 0 = defrost will not be activated defrost when device is switched on (4) 1 = YES if d4 = 0, minimum time between switching on of device and activation of the define time between switching on of device and activation of the define time between switching on of device and activation of the define time between switching on of device and activation of the define time between switching on of device and activation of the define time between switching on time between time time time time time time time time</pre>	A8 A9 A11 PARAM. F0 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F3 F3 F4 F5 F5 F4 F5	0 0,1 MIN. 0 -99 0 0 0 0 0 0 0 0 0 0 0 0 0 0	240 15,0 MAX. 4 99,0 2 15 240 240 MAX.	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) results nin 10 s 10 s U.M.	15 2,0 DEF. 3 -1,0 0 2 2 30 30 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator fan is switched on; see also F4, F5, i10 and HE2 (16) (17) 4 4 = switched off (only if F0 = 3 o 4) (6) evaporator fan activity during defrost and dripping 0 0 = switched on 2 = depending on F0 duration of evaporator fan standstill (during evaporator fan deactivation the compressor can be switched on, the defrost output will remain deactivated and the evaporator fan switch off during "energy saving" function; see also F5, i10 and HE2 duration of evaporator fan switch on during "energy saving" function; see also F4, i10 and HE2	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame	arama para a para a para a para a set s set s active mpre active pping er def of th active eters eters eters set a set a set a set a active set a active
C5 C6 C7 C8 ARAM. d0 d1 d1 d1 d2 d3 d4	0 0,0 0,0 0 MIN. 0 0 0	240 240 199 15 MAX. 99 2 2 99,0 99,0 99	min °C/°F (1) min U.M. h °C/°F (1) min °C/°F (1) min	10 80,0 90,0 1 DEF. 8 0 0 2,0 30	<pre>(code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and th defrost output will be activated; evaporator fan activity will depen on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on an the defrost output will be activated; evaporator fan activity wi depend on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor wi remain switched off and the defrost output will remain deactivated evaporator temperature at end of defrost; see also d3 if P4 = 0, 2 or 3, defrost duration if P4 = 1, maximum defrost duration; see also d2 0 = defrost will not be activated defrost when device is switched on (4) 1 = YES if d4 = 0, minimum time between switching on of device and activation c defrost (4) if P4 = 1, delay in activation of defrost after device is switched on (4) temperature displayed during defrost (only if P5 = 0)</pre>	A8 A9 A11 PARAM. F0 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F3 F3 F4 F5 F5 F4 F5	0 0,1 MIN. 0 -99 0 0 0 0 0 0 0 0 0 0 0 0 0 0	240 15,0 MAX. 4 99,0 2 15 240 240 MAX.	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) results nin 10 s 10 s U.M.	15 2,0 DEF. 3 -1,0 0 2 2 30 30 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched or, see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the evaporator fan activity during defrost and dripping 0 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan standstill (during evaporator fan deactivation the compressor can be switched off) duration of evaporator fan switch on during "energy saving" function; see also F4, i10 and HE2 DIGITAL INPUTS effect caused by the activation of the digital input 0 = no effect 1 = DOOR	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame	aram para e is s er will nds c es no the c set a activ mpre of th activ eters set a eters set a set a s set a s set a s s s set a s s s s s s s s s s s s s s s s s s s
C5 C6 C7 C8 ARAM. d0 d1 d1 d1 d1 d1 d2 d3 d4 d4 d5	0 0,0 0,0 0 MIN. 0 0 0 0 0 0	240 240 199 15 MAX. 99 2 2 99,0 99,0 99	<pre> min</pre>	10 80,0 90,0 1 DEF. 8 0 0 2,0 30 2,0 30 0	 (code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and the defrost output will be activated; evaporator fan activity will dependent on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on and the defrost output will be activated; evaporator fan activity will dependent on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain deactivated evaporator fan activity will dependent on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain deactivated defrost temperature at end of defrost; see also d3 if P4 = 0, 2 or 3, defrost duration; see also d2 0 = defrost will not be activated defrost when device is switched on (4) 1 = YES if d4 = 0, minimum time between switching on of device and activation cetters the defrost (4) if d4 = 1, delay in activation of defrost after device is switched on (4) temperature displayed during defrost (only if P5 = 0) 0 = room temperature 	A8 A9 A11 PARAM. F0 F1 F2 F3 F4 F5 PARAM. i0	0 0,1 MIN. 0 -99 0 0 0 0 0 0 0 0 0 0 0 0 0 0	240 15,0 MAX. 4 99,0 2 15 240 240 MAX.	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) results nin 10 s 10 s U.M.	15 2,0 DEF. 3 -1,0 0 2 2 30 30 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator fan activity during defrost and dripping 0 0 = switched off 1 = switched on 2 = depending on F0 duration	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame	arama para a para a para a para a set s set s active mpre active pping er def of th active eters eters eters set a set a set a set a active set a active
C5 C6 C7 C8 20RAM. d0 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1	0 0,0 0,0 0 MIN. 0 0 0 0 0 0	240 240 199 15 MAX. 99 2 2 99,0 99,0 99	<pre> min</pre>	10 80,0 90,0 1 DEF. 8 0 0 2,0 30 2,0 30 0	 (code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and the defrost output will be activated; evaporator fan activity will dependent on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on and the defrost output will be activated; evaporator fan activity will dependent the defrost output will be activated; evaporator fan activity will dependent the defrost output will be activated; evaporator fan activity will dependent the defrost output will be activated; evaporator fan activity will dependent the defrost output will be activated; evaporator fan activity will dependent the defrost output will be activated; evaporator fan activity will dependent the defrost output will be activated; evaporator fan activity will dependent the defrost output will be activated; evaporator fan activity will dependent the defrost the compressor will remain deactivated evaporator fan activity will depend on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain switched off and the defrost; see also d3 if P4 = 0, 2 or 3, defrost duration; see also d2 0 = defrost will not be activated 0 = YES if d4 = 0, minimum time between switching on of device and activation of defros	A8 A9 A11 PARAM. F0 F1 F2 F3 F4 F5 PARAM. i0	0 0,1 MIN. 0 -99 0 0 0 0 0 0 0 0 0 0 0 0 0 0	240 15,0 MAX. 4 99,0 2 15 240 240 MAX.	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) results nin 10 s 10 s U.M.	15 2,0 DEF. 3 -1,0 0 2 2 30 30 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched or; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the evaporator fan activity during defrost and dripping 0 = switched off 1 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan switch of during "energy saving" function; see also F4, i10 and HE2 duration of evaporator fan switch on during "energy saving" function; see also F4, i10 and HE2 duration of evaporator fan switch of during "energy saving" function; see also F5, i10 and HE2 duration of evaporator fan switch on during "energy saving" function; see al	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame	arame parate parate parate parate ser will ands o es no the d set a activ mpre depring er def of th activ eters eters eters eters switc
C5 C6 C7 C8 ARAM. d0 d1 d1 d1 d1 d1 d2 d3 d4 d5	0 0,0 0,0 0 MIN. 0 0 0 0 0 0	240 240 199 15 MAX. 99 2 2 99,0 99,0 99	<pre> min</pre>	10 80,0 90,0 1 DEF. 8 0 0 2,0 30 2,0 30 0	 (code "Pr1"); see also C5 duration of compressor switch on time during a room temperature probe error (code "Pr1"); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code "COH") (6) condenser temperature above which the compressor shut down alarm i activated (code "CSd") compressor shut down alarm delay (code "CSd") (7) DEFROST if d8 = 0, 1 or 2, defrost interval 0 = interval defrost will never be activated if d8 = 3, maximum defrost interval type of defrost 0 = <u>ELECTRIC</u> - during defrost the compressor will remain off and the defrost output will be activated; evaporator fan activity will dependent on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on and the defrost output will be activated; evaporator fan activity will dependent on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain deactivated evaporator fan activity will dependent on F2 parameter 2 = <u>VIA STOPPING OF COMPRESSOR</u> - during defrost the compressor will remain deactivated defrost temperature at end of defrost; see also d3 if P4 = 0, 2 or 3, defrost duration; see also d2 0 = defrost will not be activated defrost when device is switched on (4) 1 = YES if d4 = 0, minimum time between switching on of device and activation cetters the defrost (4) if d4 = 1, delay in activation of defrost after device is switched on (4) temperature displayed during defrost (only if P5 = 0) 0 = room temperature 	A8 A9 A11 PARAM. F0 F1 F2 F3 F4 F5 PARAM. i0	0 0,1 MIN. 0 -99 0 0 0 0 0 0 0 0 0 0 0 0 0 0	240 15,0 MAX. 4 99,0 2 15 240 240 MAX.	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) results nin 10 s 10 s U.M.	15 2,0 DEF. 3 -1,0 0 2 2 30 30 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched on; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (15) 3 = depending on F1; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator temperature above (if r5 = 0) or below (if r5 = 1) which the evaporator fan is switched off (only if F0 = 3 o 4) (6) evaporator fan activity during defrost and dripping 0 0 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan standstill (during evaporator fan deactivation the compressor can be switched on, the defrost output will remain deactivated and the evaporator fan switch off during "energy saving" function; see also F4, F10 and HE2 DIGITAL INPUTS Effect caused by the activation of the digital input 0 = no effec	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame	arame parame e is sw er will nds or es nooi the di set a activa mpres ipping er defr of the activa eters I eters I
C5 C6 C7 C8 20RAM. d0 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1 d1	0 0,0 0,0 0 MIN. 0 0 0 0 0 0	240 240 199 15 MAX. 99 2 2 99,0 99,0 99	<pre> min</pre>	10 80,0 90,0 1 DEF. 8 0 0 2,0 30 2,0 30 0	(code "Pr1"); see also C5duration of compressor switch on time during a room temperature probe error(code "Pr1"); see also C4condenser temperature is higher than that at which the condenser overheating alarm is activated (code "COH") (6)condenser temperature above which the compressor shut down alarm iactivated (code "CSd")compressor shut down alarm delay (code "CSd") (7)DEFROSTif d8 = 0, 1 or 2, defrost interval0 = interval defrost will never be activatedif d8 = 3, maximum defrost intervaltype of defrost0 = ELECTRIC - during defrost the compressor will remain off and th defrost output will be activated; evaporator fan activity will depen- on F2 parameter1 = BY HOT GAS - during defrost the compressor will be switched on an- the defrost output will be activated; evaporator fan activity wil depend on F2 parameter2 = VIA STOPPING OF COMPRESSOR - during defrost the compressor wi remain switched off and the defrost output will remain deactivated evaporator fan activity will depend on F2 parameter2 = VIA STOPPING OF COMPRESSOR - during defrost the compressor wi remain switched off and the defrost; see also d3if P4 = 0, 2 or 3, defrost duration; if P4 = 1, maximum defrost duration; see also d20 = defrost will not be activated defrost when device is switched on (4)1 = YESif d4 = 0, minimum time between switching on of device and activation c defrost (4)if d4 = 1, delay in activation of defrost after device is switched on (4)temperature displayed during defrost the room temperature is below the "wor setpoint + Δt ", at maximum "work setpoint Δt "; if on activation <td>A8 A9 A11 PARAM. F0 F1 F2 F3 F4 F5 PARAM. i0</td> <td>0 0,1 MIN. 0 -99 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>240 15,0 MAX. 4 99,0 2 15 240 240 MAX.</td> <td>min °C/°F (1) U.M. °C/°F (1) °C/°F (1) results nin 10 s 10 s U.M.</td> <td>15 2,0 DEF. 3 -1,0 0 2 2 30 30 DEF.</td> <td>delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator fan activity during defrost and dripping 0 0 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan switch of during "energy saving" function; see also F4, F3, i10 and HE2 duration of evaporator fan switch on during "energy saving" function; see also F4, F3, i10 and HE2 duration of evaporator fan switch on during "energy saving" function; see</td> <td> (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) </td> <td>F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F</td> <td>meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame</td> <td>arame parame e is sw er will nds or es nooi the di set a activa mpres ipping er defr of the activa eters I eters I</td>	A8 A9 A11 PARAM. F0 F1 F2 F3 F4 F5 PARAM. i0	0 0,1 MIN. 0 -99 0 0 0 0 0 0 0 0 0 0 0 0 0 0	240 15,0 MAX. 4 99,0 2 15 240 240 MAX.	min °C/°F (1) U.M. °C/°F (1) °C/°F (1) results nin 10 s 10 s U.M.	15 2,0 DEF. 3 -1,0 0 2 2 30 30 DEF.	delay in maximum temperature alarm (code "AH") from the conclusion of evaporator fan standstill (12) delay in maximum temperature alarm (code "AH") following the deactivation of the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched off 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (14) 2 = in parallel with the compressor; see also F4, F5, i10 and HE2 (16) (17) 4 = switched off if the compressor is switched off, depending on F1 if the compressor is switched on; see also F4, F5, i10 and HE2 (16) (18) evaporator fan activity during defrost and dripping 0 0 = switched off 1 = switched on 2 = depending on F0 duration of evaporator fan switch of during "energy saving" function; see also F4, F3, i10 and HE2 duration of evaporator fan switch on during "energy saving" function; see also F4, F3, i10 and HE2 duration of evaporator fan switch on during "energy saving" function; see	 (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) 	F1 parar the para the para the time the diffe if when the then C8 the value the disply value the if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F paramet F4 and F paramet F4 and F paramet F4 and F	meter has set by parential of the device paramete a Δt deper all paramete a Δt deper all locked ameter is defrost is er, the con activated efrost, dri gered after ctivation after the 5 parameter ameter is 5 parameter er 5 parameter to parameter ameter is 5 parameter to parameter to parameter ameter is 5 parameter to parame	arame parame e is sw er will nds or es nooi the di set a activa mpres ipping er defr of the activa eters I eters I



1 0 type of digital input contact 0 = normally cosed (active input with open contact) 120 min 30 if i0 = 1 or 2, delay in signalling of door switch input alarm (code "id") -1 = the alarm will not be signalled if i0 = 4, delay in signalling of multifunction input alarm (code "id") -1 = the alarm will not be signalled if i0 = 5, delay in switching on of compressor after the deactivation of the maximum pressure switch alarm (code "iA") -1 = reserved 120 min 15 maximum duration of the effect caused by the activation of the door switch input on the compressor -1 = the effect will last until the input is deactivated 999 min 0 time that must pass in absence of door switch input activations (after the room temperature has reached the working setpoint) for the "energy saving" function to be activated; see also r4, F4, F5 and HE2 240 180 number of door switch input activation such as to provoke the defrost activation 240 min 32 minimum duration of the door switch input activated use to the effect of this condition 240 min 32 minimum duration of the door switch input activation such as to provoke the defrost activation 0 = defrost will never be activated due to the effect o				 3 = MULTIFUNCTION - ACTIVATION OF "ENERGY SAVING" FUNCTION - the "energy saving" function will be activated (just with effect on the compressor, until the input is deactivated); see also r4 4 = MULTIFUNCTION - ACTIVATION OF MULTIFUNCTION INPUT ALARM (code "iA") - the device will continue to operate normally; see also i2 5 = MULTIFUNCTION - ACTIVATION OF THE MAXIMUM PRESSURE SWITCH ALARM (code "iA") - the compressor will be switched off (until the input is deactivated); see also i2
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of measurement depends on P2

set the parameters corresponding to the regulators after setting P2 parameter

meter is set at 1, the "energy saving" function and the defrost management will be switched off; see also

meter has effect even after an interruption in the power supply that occurs while the device is switched on set by paramenter C2 is counted also when the device is off

ential of parameter is 2.0°C/4°F

the device is switched on, the condenser temperature is already above that established in C7 parameter, parameter will not have effect

 Δt depends on r12 parameter (r0 if r12 = 0, r0/2 if r12 = 1)

ay restores normal operation when, at the end of the dripping phase, room temperature falls below the t locked the display (or if a temperature alarm is triggered)

ameter is set at 0, 2 or 3, the device will function as if d8 parameter were set at 0

defrost is activated, the operating duration of the compressor is less than the time established with d15 er, the compressor will remain on for the amount of time necessary to complete defrost, then the defrost

efrost, dripping and evaporator fan standstill, the maximum temperature alarm is absent, provided that it gered after defrost activation.

ctivation of the door switch input, the maximum temperature alarm is absent, provided the alarm was after the activation of the input

5 parameters have effect when the compressor is off

5 parameters have effect when the compressor is on

ameter is set at 2, the device will function as if F0 parameter were set at 2

5 parameters have effect when the evaporator temperature is below the temperature established with F1

parameters have effect when the compressor is on and the temperature of the evaporator is below the ture established with F1 parameter

pressor is switched off 10 s after the activation of the input; if the input is activated during defrost or when orator fan is deactivated, the activation will not have any effect on the compressor.