

- 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.

EVCO S.p.A. | EV3B23/EV3B33 | Data sheet ver. 1.0 | Code 1043B33E103 | Page 1 of 2 | PT 43/14

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

mm<sup>2</sup> (0.0038 in<sup>2</sup>): power supply, analog inputs, digital

to 2.5 mm<sup>2</sup> (0.0038 in<sup>2</sup>): 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:

EVCO S.p.A. | EV3B23/EV3B33 | Instructions sheet vers. 1.0 | Code 1043B33I103 | Page 2 of 2 | PT 43/14

4				CONF	GURATION PARAMETERS	d7	0	15	min	2	dripping duration (during dripping the compressor will remain switched off and				
.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				
<b>.2</b> PARAM.	MIN.	<b>ri di co</b>   MAX.	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. CA1	MIN. -25	MAX. 25,0	U.M. °C/°F (1)	DEF. 0,0	ANALOG INPUTS room probe offset	-					d0 2 = AT INTERVALS - FOR EVAPORATOR TEMPERATURE - defrost will be	i1	0	1	-
CA2	-25	25,0	°C/°F (1)		if $P4 = 1$ or 2, evaporator probe offset	-					activated when the evaporator temperature has remained below the				
					if P4 = 3, condenser probe offset	_					temperature d9 for a total time of d0 (10)	i2	-1	120	r
P0 P1	0	1		1	probe type (0 = PTC; 1 = NTC) degree Celsius decimal point (during normal operation)	-					3 = <u>ADAPTIVE</u> - defrost will be activated at intervals, whose duration will each time depend on the duration of compressor switch-ons, the evapo-	12	-1	120	'
ΓI	0			1	1 = YES						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) 1 = °F (Fahrenheit degree; resolution is 1 °F)	d9	-99	99,0	°C/°F (1)	0,0	evaporator temperature is higher than that at which the defrost interval counter is suspended (only if $d8 = 2$ )				
P4	0	3		1	second analog input function		0	1		0	defrost alarm switches off once maximum time limit has been reached (code				
					0 = absent						"dFd"; only if P4 = 1 and in absence of evaporator probe error (code "Pr2")	i3	-1	120	n
					1 = evaporator probe (defrost probe and probe determining the activity of the evaporator fan)	/	0	99	min	0	1 = YES minimum time that the compressor must be switched on before defrost can be				
					2 = evaporator probe (probe determining the activity of the evaporato			35		0	activated (only if $d1 = 1$ ) (11)	i10	0	999	n
					fan)	d18	0	999	min	40	defrost interval (defrost will be activated when the compressor has been on				
P5	0	2		0	3 = condenser probe magnitude displayed during normal operation	-					totally, with the evaporator temperature below that of d22, for time d18; only if $d8 = 3$ )				
۳J	0	2		0	0 = room temperature						0 =  defrost will never be activated due to the effect of this condition	i13	0	240	-
					1 = working setpoint	d19	0,0	40,0	°C/°F (1)	3,0	evaporator temperature below which the defrost is activated (relative to the				
					2 = if  P4 = 0, ``''						evaporator temperatures average, or "evaporator temperatures average - $d19''$ ;		0	240	n
					if $P4 = 1$ or 2, evaporator temperature if $P4 = 3$ , condenser temperature	d20	0	999	min	180	only if d8 = 3) minimum consecutive time the compressor must be switched on such as to				"
P8	0	250	0,1 s	5	delayed display of temperature changes as detected by the probes	-					provoke the defrost activation	DADAT	NATEL	MAN	
PARAM.	MIN.	MAX.	U.M.	DEF.	MAIN REGULATOR			10.0	00/05 (4)	2.0	0 = defrost will never be activated due to the effect of this condition	PARAM. HE2	. MIN.	MAX. 999	U. m
r0 r1	0,1 -99	15,0 r2	°C/°F (1) °C/°F (1)		working setpoint differential; see also r12 minimum working setpoint	d22	0,0	19,9	°C/°F (1)	2,0	evaporator temperature above which the defrost interval count shall be sus- pended (relating to the average of evaporator temperatures, that is to say,				
r2	r1	199,0	, ,			-					"evaporator temperatures average + $d22''$ ; only if $d8 = 3$ ); see also $d18$				_
r4	0,0	99,0	°C/°F (1)	0,0	working setpoint increase during the "energy saving" function; see also i0, i1		MIN.	MAX.	U.M.	DEF.	TEMPERATURE ALARMS	HE3	0	240	n
r5	0	1		0	and HE2 cooling or heating operation (3)	A1	0,0	99,0	°C/°F (1)	10,0	room temperature below which the minimum temperature alarm is triggered (code "AL"; it concerns the working setpoint, that is to say, "working setpoint -				
	Ū	-			0 = cooling						A1"); see also A11	PARAM.		MAX.	U.
40					1 = heating				00/05 (4)	10.0	0 = alarm absent	POF	0	1	
r12	0			1	working setpoint differential type 0 = asymmetric	A4	0,0	99,0	°C/°F (1)	10,0	room temperature above which the maximum temperature alarm is triggered (code "AH"; it concerns the working setpoint, that is to say, "working setpoint +	PAS	-99	999	m
					1 = symmetric						(dear fine provide no no no na postpoline) and to co bay, "norming betpoline " A4"); see also A11				
PARAM.	MIN.	MAX.	U.M.	DEF.	COMPRESSOR PROTECTION SYSTEM			99	10 min	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 " <b>AH</b> ") after the device is switched on (4)	(1)	the unit	of measu	ireme
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 ameter is	
C4	0	240	min	0	duration of compressor switch off time during a room temperature probe erro (code " <b>Pr1</b> "); see also C5	r	0	240	min	15	alarm delay (code "AH") delay in maximum temperature alarm (code "AH") from the conclusion of	(3)	F1 parar		set a
		2.0		10		-		240		15	evaporator fan standstill (12)		the para	meter has	s effe
C5	0	240	min	10	duration of compressor switch on time during a room temperature probe erro			240				(4)			aram
		240		-	(code " <b>Pr1</b> "); see also C4	A9	0	240	min	15	delay in maximum temperature alarm (code "AH") following the deactivation of	(5)	the time	rontial of	nara
C5 C6	0		min °C/°F (1)	-	(code " <b>Pr1</b> "); see also C4 condenser temperature is higher than that at which the condenser overheat	A9					the door switch input (13)	(5) (6)	the diffe	rential of the device	•
		240		80,0	(code " <b>Pr1</b> "); see also C4	A9 A11	0 0,1 MIN.	15,0 MAX.	min °C/°F (1) U.M.	2,0		(5) (6) (7)	the diffe if when t then C8	the device paramete	e is s er wil
C6 C7	0,0	240 199 199	°C/°F (1) °C/°F (1)	80,0 90,0	<pre>(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")</pre>	A9 A11	0,1	15,0	°C/°F (1)	2,0	the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation	(5) (6) (7) (8)	the diffe if when t then C8 the value	the device paramete e ∆t deper	e is s er wil ends o
C6 C7 C8	0,0	240 199 199 15	°C/°F (1) °C/°F (1) min	80,0 90,0	<pre>(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)</pre>	A9 A11 PARAM.	0,1 MIN.	15,0 MAX.	°C/°F (1) U.M.	2,0 DEF.	the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off	(5) (6) (7)	the diffe if when t then C8 the value the displ	the device paramete	e is s er wil ends c res no
C6 C7 C8	0,0	240 199 199	°C/°F (1) °C/°F (1)	80,0 90,0	<pre>(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")</pre>	A9 A11 PARAM.	0,1 MIN.	15,0 MAX.	°C/°F (1) U.M.	2,0 DEF.	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)	(5) (6) (7) (8)	the diffe if when t then C8 the value the displ value tha if P4 par	the device paramete e ∆t deper lay restore at locked rameter is	e is s er wil ends o res no the o s set a
C6 C7 C8 PARAM.	0,0 0,0 0 MIN.	240 199 199 15 MAX.	°C/°F (1) °C/°F (1) min U.M.	80,0 90,0 1 DEF.	<pre>(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</pre>	A9 A11 PARAM.	0,1 MIN.	15,0 MAX.	°C/°F (1) U.M.	2,0 DEF.	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)	(5) (6) (7) (8) (9)	the diffe if when the then C8 the value the displ value that if P4 par if when	the device paramete e ∆t deper lay restore at locked ameter is defrost is	e is s er wil ends o res no the o s set s activ
C6 C7 C8 PARAM. d0	0,0 0,0 0 MIN. 0	240 199 199 15 MAX. 99	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8	<pre>(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</pre>	A9 A11 PARAM.	0,1 MIN.	15,0 MAX.	°C/°F (1) U.M.	2,0 DEF.	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	(5) (6) (7) (8) (9) (10)	the diffe if when the then C8 the value the displ value the if P4 par if when the parameter	the device paramete e ∆t deper lay restore at locked rameter is	e is ser will ends of res no the of s set s activ
C6 C7 C8 PARAM.	0,0 0,0 0 MIN.	240 199 199 15 MAX.	°C/°F (1) °C/°F (1) min U.M.	80,0 90,0 1 DEF.	<pre>(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</pre>	A9 A11 PARAM. F0	0,1 MIN.	15,0 MAX. 4	°C/°F (1) U.M.	2,0 DEF. 3	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)	(5) (6) (7) (8) (9) (10)	the diffe if when the then C8 the value the displ value tha if P4 par if when paramet shall be during d	the device paramete e $\Delta t$ deper lay restore at locked rameter is defrost is er, the con activated efrost, dri	e is s er wil ends o res no the o s set s activ ompre l rippin
C6 C7 C8 PARAM. d0	0,0 0,0 0 MIN. 0	240 199 199 15 MAX. 99	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8	<pre>(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>	A9 A11 PARAM. F0 F1	0,1 MIN. 0	15,0 MAX.	°C/°F (1) U.M.	2,0 DEF. 3	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)	(5) (6) (7) (8) (9) (10) (11) (12)	the diffe if when the then C8 the value the displ value tha if P4 par if when paramet shall be during d was trigg	the device paramete △t deper lay restore at locked rameter is defrost is er, the con activated efrost, dri gered afte	e is s er will ends o res no the o s set s activ ompre l rippin er de
C6 C7 C8 PARAM. d0	0,0 0,0 0 MIN. 0	240 199 199 15 MAX. 99	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8	<pre>(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 depend on F2 parameter</pre>	A9 A11 PARAM. F0 F1 F2	0,1 MIN. 0	15,0 MAX. 4	°C/°F (1) U.M.	2,0 DEF. 3	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 is switched off (only if F0 = 3 o 4) (6) evaporator fan activity during defrost and dripping	(5) (6) (7) (8) (9) (10) (11)	the diffe if when the then C8 the value the displ value the if P4 par if when paramet shall be during d was trigg during a	the device paramete △ t deper lay restore at locked rameter is defrost is rer, the con activated efrost, dri gered afte activation	e is s er wil ends o res no the o s set s activ ompre l rippin er del of th
C6 C7 C8 PARAM. d0	0,0 0,0 0 MIN. 0	240 199 199 15 MAX. 99	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8	<pre>(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 depend on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will be switched on and</pre>	A9 A11 PARAM. F0 F0 F1 F2	0,1 MIN. 0	15,0 MAX. 4 99,0	°C/°F (1) U.M.	2,0 DEF. 3	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 = switched off	(5) (6) (7) (8) (9) (10) (11) (12) (13)	the diffe if when the then C8 the value the displ value tha if P4 par if when paramet shall be during d was trigg during a signaled	the device paramete △t deper lay restore at locked rameter is defrost is er, the con activated efrost, dri gered afte	e is s er wil ends o res no the o s set a s activ ompre i s activ ompre f i pping er def of th e activ
C6 C7 C8 PARAM. d0	0,0 0,0 0 MIN. 0	240 199 199 15 MAX. 99	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8	<pre>(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 depend on F2 parameter</pre>	A9 A11 PARAM. F0 F0 F1 F2	0,1 MIN. 0	15,0 MAX. 4 99,0	°C/°F (1) U.M.	2,0 DEF. 3	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 is switched off (only if F0 = 3 o 4) (6) evaporator fan activity during defrost and dripping	(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15)	the diffe if when to then C8 the value the displ value that if P4 para if when of paramet shall be during d was trigg during a signaled F4 and F	the device paramete $\Delta t$ dependent of the dependent of the dependent at locked and the defrost is er, the conduction of the defrost is gered after defrost, dri gered after defrost, dri gered after defrost after the for defrost is a defer the for defrost is a defer the for definition of the definition of the definition of the for definition of the definition of the definition of the for definition of the definition of the definition of the for definition of the definition of the definition of the for definition of the definition of the definition of the for definition of the definition of the definition of the definition of the for definition of the d	e is s er will ends o res no the o s set a s activ ompre i of th e activ eters eters
C6 C7 C8 PARAM. d0	0,0 0,0 0 MIN. 0	240 199 199 15 MAX. 99	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8	<pre>(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 = ELECTRIC - during defrost the compressor will remain off and the defrost output will be activated; evaporator fan activity will depend on F2 parameter 1 = BY HOT GAS - during defrost the compressor will be switched on and the defrost output will be activated; evaporator fan activity will depend on F2 parameter 2 = VIA STOPPING OF COMPRESSOR - during defrost the compressor will compressor will be activated of the compressor will be compressor will defrost output will be activated; evaporator fan activity will depend on F2 parameter</pre>	A9 A11 PARAM. F0 F1 F2 F1 F2 F1 F2	0,1 MIN. 0	15,0 MAX. 4 99,0	°C/°F (1) U.M.	2,0 DEF. 3	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 off (1) 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 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 deactivation the	(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16)	the diffe if when 1 then C8 the value the disph value thi if P4 par if when p paramet shall be during d was trigg during a signaled F4 and F if P4 par	the device paramete e $\Delta t$ deper lay restorn at locked ameter is defrost is er, the coi activated efrost, dri gered afte ictivation after the 5 parame 5 parame ameter is	e is s' er will ends o res no the d s set a s activ ompre l of th e activ eters eters s set a
C6 C7 C8 PARAM. d0	0,0 0,0 0 MIN. 0	240 199 199 15 MAX. 99	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8	<pre>(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 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 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</pre>	A9 A11 PARAM. F0 F1 F2 F1 F2 F1 F2	0,1 MIN. 0 -99 0	15,0 MAX. 4 99,0 2	°C/°F (1) U.M.  °C/°F (1) 	2,0 DEF. 3 -1,0	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 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 = 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	(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15)	the diffe if when 1 then C8 the value the disph value thi if P4 par if when p paramet shall be during d was trigg during a signaled F4 and F if P4 par	the device paramete e ∆t dependance at locked ameter is defrost is er, the con activated efrost, dri gered after the 25 parameter ameter is 5 parameter 5 paramet	e is sv er will ends o res no the d s set a s activ ompres ripping er defi of the activ eters eters s set a
C6 C7 C8 PARAM. d0	0,0 0,0 0 MIN. 0	240 199 199 15 MAX. 99	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8	<pre>(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 = ELECTRIC - during defrost the compressor will remain off and the defrost output will be activated; evaporator fan activity will depend on F2 parameter 1 = BY HOT GAS - during defrost the compressor will be switched on and the defrost output will be activated; evaporator fan activity will depend on F2 parameter 2 = VIA STOPPING OF COMPRESSOR - during defrost the compressor will compressor will be activated of the compressor will be compressor will defrost output will be activated; evaporator fan activity will depend on F2 parameter</pre>	A9 A11 PARAM. F0 F1 F2 F1 F2 F1 F2	0,1 MIN. 0 -99 0	15,0 MAX. 4 99,0 2	°C/°F (1) U.M.  °C/°F (1) 	2,0 DEF. 3 -1,0	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 off (1) 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 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 deactivation the	(5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16)	the diffe if when to then C8 the value the displ value thi if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F F4 and F F4 and F F4 and F	the device paramete e ∆t depen lay restorn at locked al locked defrost is er, the con activated efrost, dri gered afte ctrivation after the 5 parame rameter is 55 parame er 55 parame er	e is s er will ands o res no the d s set a a activ pmpre d i i i ppin <u>c</u> er def of the a activ eters s set a s set a ters s set a s set a a d i v pmpre
C6 C7 C8 ARAM. d0 d1	0,0 0,0 0 MIN. 0	240 199 199 15 MAX. 99 2	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8	<pre>(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 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 wil 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</pre>	A9 A11 PARAM. F0 F0 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F3 F3	0,1 MIN. 0 -99 0 0	15,0 MAX. 4 99,0 2 15 240	°C/°F (1) U.M. °C/°F (1)  min 10 s	2,0 DEF. 3 -1,0 0 2 30	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) (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 = 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 F5, i10 and HE2	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when paramet shall be during d was trigg during a signaled F4 and F F4 and F F4 par F4 par F4 and F paramet F4 and F	the device paramete $\Delta t$ dependent lay restorn at locked anmeter is defrost is er, the con- activated efrost, dri gered after tetivation after the 5 parame rameter is 5 parame er 5 parame ter 5 parame ter 5 parame	e is s er will ands o res not the d s set a s activ mmpre l ripping er def of th a activ eters s set a activ eters s set a s s
C6 C7 C8 ARAM. d0 d1 d1	0,0 0,0 0 MIN. 0 0	240 199 15 MAX. 99 2 2	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8 0	<pre>(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 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 evaporator fan activity will depend on F2 parameter 1 = <u>BY HOT GAS</u> - during defrost the compressor will remain deactivated fif e4 = 0, 2 or 3, defrost duration if P4 = 0, 2 or 3, defrost duration if P4 = 1, maximum defrost duration; see also d2</pre>	A9 A11 PARAM. F0 F1 F2 F1 F2 F3	0,1 MIN. 0 -99 0	15,0 MAX. 4 99,0 2 15	PC/°F (1) U.M.  PC/°F (1)  min	2,0 DEF. 3 -1,0 0	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) (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 = 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 on during "energy saving" function; see also	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete e ∆t depen lay restorn at locked al locked defrost is er, the con activated efrost, dri gered afte ctrivation after the 5 parame rameter is 55 parame er 55 parame er	e is s er will ands o res not the d s set a s activ mmpre l ripping er def th a activ eters s set a activ eters s set a s set
C6 C7 C8 ARAM. d0 d1 d1	0,0 0,0 0 MIN. 0 0	240 199 15 MAX. 99 2 2	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8 0	<pre>(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 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 wil 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</pre>	A9 A11 PARAM. F0 F0 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F3 F3	0,1 MIN. 0 -99 0 0	15,0 MAX. 4 99,0 2 15 240	°C/°F (1) U.M. °C/°F (1)  min 10 s	2,0 DEF. 3 -1,0 0 2 30 30	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) (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 = 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 F5, i10 and HE2	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete $e \Delta t$ deper lay restorn at locked anmeter is defrost is er, the con activated efrost, dri gered after (tcivation after the 5 parame er 5 parame er 5 parame ture estat pressor is	e is s er will ands o res not the d s set a s activ mmpre l ripping er def th a activ eters s set a activ eters s set a s set
C6 C7 C8 ARAM. d0 d1 d1 d2 d3 d4	0,0 0,0 0 MIN. 0 0 -99 0	240 199 15 MAX. 99 2 2 99,0 99,0	°C/°F (1) °C/°F (1) min U.M. h °C/°F (1) min °C/°F (1)	80,0 90,0 1 DEF. 8 0 2,0 30	<pre>(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 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 wil 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>	A9 A11 PARAM. F0 F1 F2 F1 F2 F3 F4 F5 F4 F5 F4 F5	0,1 MIN. 0 -99 0 0 0 0	15,0 MAX. 4 99,0 2 15 240 240	°C/°F (1) U.M. °C/°F (1)  min 10 s 10 s	2,0 DEF. 3 -1,0 0 2 30 30	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 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 DIGITAL INPUTS effect caused by the activation of the digital input	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete $e \Delta t$ deper lay restorn at locked anmeter is defrost is er, the con activated efrost, dri gered after (tcivation after the 5 parame er 5 parame er 5 parame ture estat pressor is	e is s er will ands o res not the c s set a s activ mpre l ripping er def a activ eters s set a activ eters s set a s set a s set a s set a s set a s set a s set a activ s set a s se
C6 C7 C8 ARAM. d0 d1 d1 d1 d2 d3	0,0 0,0 0 MIN. 0 0 0	240 199 15 MAX. 99 2 2 99,0 99,0	°C/°F (1) °C/°F (1) min U.M. h	80,0 90,0 1 DEF. 8 0 0 2,0 30	<pre>(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 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 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 of the define activation of device and activation of the terms and the define activated definest when device is switched on (4) 1 = YES</pre>	A9 A11 PARAM. F0 F1 F2 F1 F2 F3 F4 F5 F4 F5 F4 F5	0,1 MIN. 0 -99 0 0 0 0 MIN.	15,0 MAX. 4 99,0 2 2 15 240 240 240 MAX.	°C/°F (1) U.M. °C/°F (1)  min 10 s 10 s	2,0 DEF. 3 -1,0 0 2 30 30 DEF.	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) (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 = 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 F5, i10 and HE2 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	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete $e \Delta t$ deper lay restorn at locked anmeter is defrost is er, the con activated efrost, dri gered after (tcivation after the 5 parame er 5 parame er 5 parame ture estat pressor is	e is s er will ands c res not the c s set a s active mpree l ripping er def of th e active eters s set a active eters s set a s s set a s set
C6 C7 C8 PARAM. d0 d1 d1 d1 d2 d3 d4	0,0 0,0 0 MIN. 0 0 -99 0	240 199 15 MAX. 99 2 2 99,0 99,0	°C/°F (1) °C/°F (1) min U.M. h °C/°F (1) min °C/°F (1)	80,0 90,0 1 DEF. 8 0 2,0 30	<pre>(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 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 evaporator temperature at end of defrost; see also d3 if P4 = 0, 2 or 3, defrost duration if P4 = 1, maximum defrost duration if P4 = 1, maximum defrost duration if P4 = 0, 2 or 3, defrost duration if A4 = 0, minimum time between switching on of device and activation of defrost (4)</pre>	A9 A11 PARAM. F0 F1 F2 F1 F2 F3 F4 F5 F4 F5 F4 F5	0,1 MIN. 0 -99 0 0 0 0 MIN.	15,0 MAX. 4 99,0 2 2 15 240 240 240 MAX.	°C/°F (1) U.M. °C/°F (1)  min 10 s 10 s	2,0 DEF. 3 -1,0 0 2 30 30 DEF.	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) (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 = 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 F5, i10 and HE2 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 SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id")	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete $e \Delta t$ deper lay restorn at locked anmeter is defrost is er, the con activated efrost, dri gered after (tcivation after the 5 parame er 5 parame er 5 parame ture estat pressor is	e is s er will ands c res not the c s set a s active mpree l ripping er def of th e active eters s set a active eters s set a s s set a s set
C6 C7 C8 ARAM. d0 d1 d1 d2 d3 d4	0,0 0,0 0 MIN. 0 0 -99 0	240 199 15 MAX. 99 2 2 99,0 99,0	°C/°F (1) °C/°F (1) min U.M. h °C/°F (1) min °C/°F (1)	80,0 90,0 1 DEF. 8 0 2,0 30	<pre>(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 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 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 of the define activation of device and activation of the terms and the define activated definest when device is switched on (4) 1 = YES</pre>	A9 A11 PARAM. F0 F1 F2 F1 F2 F3 F4 F5 F4 F5 F4 F5	0,1 MIN. 0 -99 0 0 0 0 MIN.	15,0 MAX. 4 99,0 2 2 15 240 240 240 MAX.	°C/°F (1) U.M. °C/°F (1)  min 10 s 10 s	2,0 DEF. 3 -1,0 0 2 30 30 DEF.	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 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 switched off during "energy saving" function; see also F5, i10 and HE2 DIGITAL INPUTS effect caused by the activation of the digital input 0 = no effect 1 = DOOR SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id") - the compressor and the evaporator fan will be switched off (at maximum for time i3 or until the input is deactivated); see also i2 (19)	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete $e \Delta t$ deper lay restorn at locked anmeter is defrost is er, the con activated efrost, dri gered after (tcivation after the 5 parame er 5 parame er 5 parame ture estat pressor is	e is s er wil nds o res no the o s set s activ pompre l rippin er de of th e activ eters s set eters s set s set set s set s set set set s set set set set set set set set set set
C6 C7 C8 ARAM. d0 d1 d1 d1 d2 d3 d4 d4 d5	-999 0 0 0	240 199 15 MAX. 99 2 2 99,0 99,0 99 99	°C/°F (1) °C/°F (1) min U.M. h °C/°F (1) °C/°F (1) min	80,0 90,0 1 DEF. 8 0 2,0 30 0 0	<pre>(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 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 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 fan activity will depend on F2 parameter evaporator fan activity will depend on F2 parameter evaporator 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 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</pre>	A9 A11 PARAM. F0 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F1 F2 F2 F1 F2 F2 F1 F2 F3 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5 F5	0,1 MIN. 0 -99 0 0 0 0 MIN.	15,0 MAX. 4 99,0 2 2 15 240 240 240 MAX.	°C/°F (1) U.M. °C/°F (1)  min 10 s 10 s	2,0 DEF. 3 -1,0 0 2 30 30 DEF.	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 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 switched 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 DIGITAL INPUTS effect caused by the activation of the digital input 0 = no effect 1 = DOOR SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id") - the compressor and the evaporator fan will be switched off (at maximum for time i3 or until the input is deactivated); see also i2 (19) 2 = DOOR SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id")	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete $e \Delta t$ deper lay restorn at locked anmeter is defrost is er, the con activated efrost, dri gered after (tcivation after the 5 parame er 5 parame er 5 parame ture estat pressor is	e is s er wi inds o res n the o s set s set i pompra l rippin er de of th eters s set eters s set eters s set s set s s set s s set set s s set set s set set s set set set set set set set set set set
C6 C7 C8 ARAM. d0 d1 d1 d1 d2 d3 d4 d4 d5	-999 0 0 0	240 199 15 MAX. 99 2 2 99,0 99,0 99 99	°C/°F (1) °C/°F (1) min U.M. h °C/°F (1) °C/°F (1) min	80,0 90,0 1 DEF. 8 0 2,0 30 0 0	<pre>(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 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 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 of 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 1 = if on activation of defrost, the room temperature is below the "word if end = if on activation of defrost, the room temperature is below the "word if end = if on activation of defrost, the room temperature is below the "word if end = if on activation of defrost, the room temperature is below the "word if end = if on activation of defrost, the room temperature is below the "word if end = if on activation of defrost, the room temperature is below the "word if end = if on activation of defrost, the room temperature is below the "word if end = if on activation of defrost, the room temperature is below the "word if end = if on activation of defrost, the room temperature is below the "word if end = if</pre>	A9 A11 PARAM. F0 F1 F1 F2 F1 F2 F1 F2 F1 F2 F3 F3 F4 F5 F4 F5 F4 F5	0,1 MIN. 0 -99 0 0 0 0 MIN.	15,0 MAX. 4 99,0 2 2 15 240 240 240 MAX.	°C/°F (1) U.M. °C/°F (1)  min 10 s 10 s	2,0 DEF. 3 -1,0 0 2 30 30 DEF.	the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched of; 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 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 DIGITAL INPUTS effect caused by the activation of the digital input 0 = no effect 1 = DOOR SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id") - the compressor and the evaporator fan will be switched off id maximum for time i3 or until the input is deactivated); see also i2 (19) 2 = DOOR SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id") - the evaporator fan will be switched off (at maximum for time i3 or	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete $e \Delta t$ deper lay restorn at locked anmeter is defrost is er, the con activated efrost, dri gered after (tcivation after the 5 parame er 5 parame er 5 parame ture estat pressor is	e is s er wil nds c res no the c s set s activ ompre- l rippin er del eters s set s eters s set s eters s set s
C6 C7 C8 ARAM. d0 d1 d1 d1 d2 d3 d4 d4 d5	-999 0 0 0	240 199 15 MAX. 99 2 2 99,0 99,0 99 99	°C/°F (1) °C/°F (1) min U.M. h °C/°F (1) °C/°F (1) min	80,0 90,0 1 DEF. 8 0 2,0 30 0 0	<pre>(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 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 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 fan activity will depend on F2 parameter evaporator fan activity will depend on F2 parameter evaporator 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 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</pre>	A9       A11       PARAM.       F0       F1       F2       F3       F4       F5       PARAM.       i0	0,1 MIN. 0 -99 0 0 0 0 MIN.	15,0 MAX. 4 99,0 2 2 15 240 240 240 MAX.	°C/°F (1) U.M. °C/°F (1)  min 10 s 10 s	2,0 DEF. 3 -1,0 0 2 30 30 DEF.	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 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 switched 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 DIGITAL INPUTS effect caused by the activation of the digital input 0 = no effect 1 = DOOR SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id") - the compressor and the evaporator fan will be switched off (at maximum for time i3 or until the input is deactivated); see also i2 (19) 2 = DOOR SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id")	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete $e \Delta t$ deper lay restorn at locked anmeter is defrost is er, the con activated efrost, dri gered after (tcivation after the 5 parame er 5 parame er 5 parame ture estat pressor is	e is signed with the signed set of the signed se
C6 C7 C8 ARAM. d0 d1 d1 d1 d2 d3 d4 d4 d5	-999 0 0 0	240 199 15 MAX. 99 2 2 99,0 99,0 99 99	°C/°F (1) °C/°F (1) min U.M. h °C/°F (1) °C/°F (1) min	80,0 90,0 1 DEF. 8 0 2,0 30 0 0	(code " <b>Pr1</b> "); see also C4 condenser temperature is higher than that at which the condenser overheat ing alarm is activated (code " <b>COH</b> ") (6) condenser temperature above which the compressor shut down alarm i activated (code " <b>CSd</b> ") compressor shut down alarm delay (code " <b>CSd</b> ") (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 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 wi 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 if d4 = 0, minimum time between switching on of device and activation of 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 1 = if on activation of defrost, the room temperature is below the "worl setpoint + $\Delta t$ ", at maximum " work setpoint + $\Delta t$ "; if on activation	A9       A11       PARAM.       F0       F1       F2       F3       F4       F5       PARAM.       i0	0,1 MIN. 0 -99 0 0 0 0 MIN.	15,0 MAX. 4 99,0 2 2 15 240 240 240 MAX.	°C/°F (1) U.M. °C/°F (1)  min 10 s 10 s	2,0 DEF. 3 -1,0 0 2 30 30 DEF.	the door switch input (13) differential of A1 and A4 parameters EVAPORATOR FAN evaporator fan activity during normal operation 0 = switched off 1 = switched of; 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 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 DIGITAL INPUTS effect caused by the activation of the digital input 0 = no effect 1 = DOOR SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id") - the compressor and the evaporator fan will be switched off id maximum for time i3 or until the input is deactivated); see also i2 (19) 2 = DOOR SWITCH - DOOR SWITCH INPUT ALARM ACTIVATION (code "id") - the evaporator fan will be switched off (at maximum for time i3 or	<ul> <li>(5)</li> <li>(6)</li> <li>(7)</li> <li>(8)</li> <li>(9)</li> <li>(10)</li> <li>(11)</li> <li>(12)</li> <li>(13)</li> <li>(14)</li> <li>(15)</li> <li>(16)</li> <li>(17)</li> <li>(18)</li> </ul>	the diffe if when to then C8 the value the displ value that if P4 par if when of paramet shall be during d was trigg during a signaled F4 and F if P4 par F4 and F paramet F4 and F tempera the comp	the device paramete $e \Delta t$ deper lay restorn at locked anmeter is defrost is er, the con activated efrost, dri gered after (tcivation after the 5 parame er 5 parame er 5 parame ture estat pressor is	e is signed with the signed set of the signed se



				<ul> <li>3 = <u>MULTIFUNCTION - ACTIVATION OF "ENERGY SAVING" FUNCTION -</u> the "energy saving" function will be activated (just with effect on the compressor, until the input is deactivated); see also r4</li> <li>4 = <u>MULTIFUNCTION - ACTIVATION OF MULTIFUNCTION INPUT ALARM (code "iA"</u>) - the device will continue to operate normally; see also i2</li> <li>5 = <u>MULTIFUNCTION - ACTIVATION OF THE MAXIMUM PRESSURE SWITCH ALARM (code "iA"</u>) - the compressor will be switched off (until the input is deactivated); see also i2</li> </ul>
	1		0	type of digital input contact
				0 = normally open (active input with closed contact)
				1 = normally closed (active input with open contact)
1	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 "iA")
				-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
				0 = the function will never be activated due to the effect of this condition
	240		180	number of door switch input activations such as to provoke the defrost
				activation
				0 = defrost will never be activated due to the effect of this condition
	240	min	32	minimum duration of the door switch input activation such as to provoke the
				defrost activation
4	MAN		DEF.	0 = defrost will never be activated due to the effect of this condition
-	MAX. 999	U.M.	DEF.	ENERGY SAVING
	999	min	0	maximum duration of the "energy saving" function activated due to the effect
				of absence of door switch input activation; see also r4, F4, F5 and i10 0 = the function will last until the input is activated
-	240	min	2	0 = the function will last until the input is activated time interval with no key strokes, after which the "low consumption" function
	240		_ <u> </u>	is activated
				0 = the mode shall never be aactivated
	MAX.	U.M.	DEF.	VARIOUS
	1		1	() key activation
	-		-	1 = YES
+	000	min	-19	access password for the configuration parameters
	999	111111	1 -13	
	999		-19	0 = the password need not be set

of measurement depends on P2

set the parameters corresponding to the regulators after setting P2 parameter

ameter 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

rential 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

 $\Delta t$  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 at 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

5 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.