dixal

Installing and Operating Instructions

KEY COMBINATIONS



l o enter	the p	progran	nming	mode.

4.1 USE OF LEDS

Each LE	ED function is descr	ribed in the following table.	
LED	MODE	Function	
辮	ON	The compressor is running	
*	FLASHING	- Programming Phase (flashing with LED 5) - Anti-short cycle delay enabled	
ş	FLASHING	Programming Phase (flashing with LED 🔆)	
懋	ON	The defrost is enabled	
๎⊛	ON	The Fast Freezing cycle is enabled	
(!)	ON	 ALARM signal In "Pr2" indicates that the parameter is also present in "Pr1" 	

Function of the LEDs placed on the left top side of buttons:

BUTTON	MODE	FUNCTION
SET	FLASHING	The Set point is displayed and it can be modified
SET	FAST FLASHING	The Energy Saving is enabled
DEFROST	ON	The Manual Defrost is activated
LIGHT	ON	The Light is ON
ON/OFF	ON	The instrument is OFF

4.2 HOW TO SEE THE MIN TEMPERATURE

- Press and release the key
 - 2. The "Lo" message will be displayed followed by the minimum temperature recorded 3
 - By pressing the a key or waiting for 5s the normal display will be restored.

HOW TO SEE THE MAX TEMPERATURE 4.3 Press and release the a key.

1. 2 The "Hi" message will be displayed followed by the maximum temperature recorded. 3.

By pressing the a key or waiting for 5s the normal display will be restored.

4.4 HOW TO RESET THE MAX AND MIN TEMPERATURE RECORDED

- To reset the stored temperature, when max or min temperature is displayed :
- Press SET key until "rST" label starts blinking

N.B. After the installation RESET the temperature stored

4.5 HOW TO SEE AND MODIFY THE SET POINT



Push and immediately release the SET key: the display will show the Set point value; The SET LED start blinking;

- To change the Set value push the a or a arrows within 10s.
- To memorise the new set point value push the SET key again or wait 10s.

4.6 TO START A MANUAL DEFROST



1. Push the DEF key for more than 2 seconds and a manual defrost will start.

4.7 TO ENTER IN PARAMETERS LIST "PR1"

To enter the parameter list "Pr1" (user accessible parameters) operate as follows:



1. Enter the Programming mode by pressing the Set and DOWN key for few seconds (Seconds and seconds (

The instrument will show the first parameter present in "Pr1"

By holding it pressed for 3s when max or min temperature is displayed it will be erased

To see the max. stored temperature; in programming mode it browses the parameter codes or increases the displayed value. By holding it pressed for 3s the fast freezing cycle is started.

To display and modify target set point; in programming mode it selects a parameter or confirm an

To see the min stored temperature; in programming mode it browses the parameter codes or decreases the displayed value.

By holding it pressed for 3s the defrost is started

Switch ON and OFF the cold room light.

defrost cycles, while its length is controlled by parameter "MdF"

Switch ON and OFF the instrument

2.

4.8 TO ENTER IN PARAMETERS LIST "PR2" To access parameters in "Pr2

- Enter the "Pr1" level
- Select "Pr2" parameter and press the "SET" key 2.
- The "PAS" flashing message is displayed, shortly followed by "0 -" with a flashing zero. 3.
- Use a or a to input the security code in the flashing digit; confirm the figure by pressing "SET". The 4. security code is "321"
- 5 If the security code is correct the access to "Pr2" is enabled by pressing "SET" on the last digit.

Another possibility is the following: after switching ON the instrument the user can push Set and DOWN keys within 30 seconds

NOTE: each parameter in "Pr2" can be removed or put into "Pr1" (user level) by pressing "SET" + . When a parameter is present in "Pr1" LED (() is on.

XW220L

PLEASE READ BEFORE USING THIS MANUAL

Check the supply voltage is correct before connecting the instrument

Check the application limits before proceeding

SAFETY PRECAUTIONS

address) with a detailed description of the fault.

other, without crossing or intertwining.

inductive loads could be useful GENERAL DESCRIPTION

3. CONTROLLING LOADS

3.1 THE COMPRESSOR

"COn" and "COF

3.2 FAST FREEZING

DEFROST

KEYBOARD

operation

3.3

WING

This manual is part of the product and should be kept near the instrument for easy and quick reference. The instrument shall not be used for purposes different from those described hereunder. It cannot be used

Do not expose to water or moisture: use the controller only within the operating limits avoiding sudden temperature changes with high atmospheric humidity to prevent formation of condensation Warning: disconnect all electrical connections before any kind of maintenance Fit the probe where it is not accessible by the End User. The instrument must not be opened. In case of failure or faulty operation send the instrument back to the distributor or to "Dixell S.p.a." (see

Ensure that the wires for probes, loads and the power supply are separated and far enough from each

In case of applications in industrial environments, the use of mains filters (our mod. FT1) in parallel with

Model XW220L, 38x185 mm format, is microprocessor based controller suitable for applications on normal temperature refrigerating units. It is provided with two relay outputs to control compressor, and the lights They are also provided with two NTC probe inputs, one for temperature control, one optional, for the display.

The standard TTL output allows the user to connect, by means of a TTL/RS485 external module, a ModBUS-

The regulation is performed according to the temperature measured by the thermostat probe with a positive

differential from the set point: if the temperature increases and reaches set point plus differential the compressor

In case of fault in the thermostat probe the start and stop of the compressor are timed through parameters

When defrost is not in progress, it can be activated the keypad by holding the a key pressed for about 3

seconds. The compressor operates in continuous mode for the time set through the "CCt" parameter. The cycle

The defrost interval is control by means of parameter "EdF": (EdF=in) the defrost is made every "IdF" time,

Defrost is performed through a simple stop of the compressor. Parameter "IdF" controls the interval between

(EdF=Sd) the interval "IdF" is calculate through Smart Defrost algorithm (only when the compressor is ON).

°C

can be terminated before the end of the set time using the same activation key, a for about 3 seconds.

Consider the maximum current which can be applied to each relay (see Technical Data).

There are two digital inputs (free contact) for the door switch and configurable by parameter.

RTU compatible monitoring system and to programme the parameter list with the "Hot Key". An optional output for remote display "XW-REP" is available.

is started and then turned off when the temperature reaches the set point value again.

1. GENERAL WARNING

as a safety device

<u>/ł\</u>

1.2

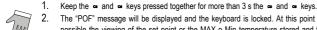
2.

Installing and Operating Instructions

4.9 HOW TO CHANGE THE PARAMETER VALUE

- 1. Enter the Programming mode.
- 2. Select the required parameter with a or a
- 3. Press the "SET" key to display its value (🔆 and 🛸 LED starts blinking)
- Use 🛥 or 🛥 to change its value 4
- 5. Press "SET" to store the new value and move to the following parameter
- To exit: Press SET + UP or wait 15s without pressing a key.
- NOTE: the new programming is stored even when the procedure is exited by waiting the time-out.

4.10 HOW TO LOCK THE KEYBOARD



The "POF" message will be displayed and the keyboard is locked. At this point it is only possible the viewing of the set point or the MAX o Min temperature stored and to switch ON and OFF the light, the auxiliary output and the instrument.



TO UNLOCK THE KEYBOARD

Keep the a and keys pressed together for more than 3s

4.11 ON/OFF FUNCTION

By pushing the ON/OFF key, the instrument shows "OFF" for 5 sec. and the ON/OFF LED is switched ON

During the OFF status, all the relays are switched OFF and the regulations are stopped; if a monitoring system is connected, it does not record the instrument data and alarms N.B. During the OFF status the Light and AUX buttons are active.

4.12 TO SEE THE PROBE VALUES

- Enter in "Pr2" level
- 2 Select "Prd" parameter with a or a
- 3. Press the "SET" key to display "Pb1" label alternate with Pb1 value.
- 4. Use and keys to display the other probe values.
- 5.
- Press "SET" to move to the following parameter

5. PARAMETER LIST

REGULATION

- Ηv Differential: (0,1+25,5°C; 1+45°F): Intervention differential for set point, always positive. Compressor Cut IN is Set Point Plus Differential (Hy). Compressor Cut OUT is when the temperature reaches the set point
- Minimum set point limit: (-50,0°C+SET; -58°F+SET) Sets the minimum acceptable value for the set LS point.
- Maximum set point limit: (SET+110°C; SET+230°F) Set the maximum acceptable value for set point. US OdS Outputs activation delay at start up: (0+255 min) This function is enabled at the initial start up of the instrument and inhibits any output activation for the period of time set in the parameter. (Light can work)
- Anti-short cycle delay: (0+30 min) interval between the compressor stop and the following restart. Thermostat override: (0min ÷23h 50min) allows to set the length of the continuous cycle. Can be used, CCt
- for instance, when the room is filled with new products. Con Compressor ON time with faulty probe: (0+255 min) time during which the compressor is active in case of faulty thermostat probe. With COn=0 compressor is always OFF.
- Compressor OFF time with faulty probe: (0+255 min) time during which the compressor is off in case of COF faulty thermostat probe. With COF=0 compressor is always active
- CH Type of action : CL (COOL); Ht (HEAT)

DISPLAY

- CF Temperature measurement unit: °C = Celsius; °F = Fahrenheit. When the measurement unit is changed the SET point and the values of some parameters have to be modified
- rES Resolution (for °C): (in = 1°C; de = 0,1°C) allows decimal point display

de = 0,1°C

- in = 1 °C
- Lod Local display : select which probe is displayed by the instrument:
- P1 = Thermostat probe
- P2 = Not used
- P3 = auxiliary probe
- 1r2 = Not used
- Red Remote display : select which probe is displayed by the remote display (XW-REP)
 - P1 = Thermostat probe
 - P2 = Not used
 - P3 = auxiliary probe
 - 1r2 = Not used

DEFROST

EdF Defrost mode:

- in = interval mode. The defrost starts when the time "ldf" is expired. Sd = Smartfrost mode. The time IdF (interval between defrosts) is increased only when the compressor
- is running (even non consecutively). IdF Interval between defrosts: (1÷120h) Determines the time interval between the beginning of two defrost
- cvcles MdF (Maximum) duration of defrost: (0+255 min) it sets the maximum length for defrost.
- dFd
 - Display during defrost:
 - rt = real temperature;
 - it = temperature reading at the defrost start; Set = set point:
 - dEF = "dEF" label;
 - dEG = "dEG" label
- dAd Defrost display time out: (0+255 min) Sets the maximum time between the end of defrost and the restarting of the real room temperature display
- dPO First defrost after start-up:

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- y = Immediately: n = after the IdF time
- dAF Defrost delay after fast freezing: (0min÷23h 50min) after a Fast Freezing cycle, the first defrost will be delayed for this time

ALARMS ALC Temperature alarm configuration

- rE = High and Low alarms related to Set Point
- Ab = High and low alarms related to the absolute temperature
- ALU High temperature alarm setting:
- ALC= rE 0 + 50°C or 90°E ALC= Ab, ALL ÷ 110°C or 230°F
 - when this temperature is reached and after the ALd delay time the HA alarm is enabled.
- ALL Low temperature alarm setting:
 - ALC = rE, 0 + 50 °C or 90°F
 - ALC = Ab , 50°C or -58°F + ALU
- when this temperature is reached and after the ALd delay time, the LA alarm is enabled.
- AFH Temperature alarm and fan differential: (0,1+25,5°C; 1+45°F) Intervention differential for temperature alarm set point, always positive
- ALd Temperature alarm delay: (0+255 min) time interval between the detection of an alarm condition and the
- corresponding alarm signalling. dAO Delay of temperature alarm at start-up: (0min+23h 50min) time interval between the detection of the temperature alarm condition after the instrument power on and the alarm signalling.
- EdA Alarm delay at the end of defrost: (0+255 min) Time interval between the detection of the temperature alarm condition at the end of defrost and the alarm signalling
- Delay of temperature alarm after closing the door : (0+255 min) Time delay to signal the temperature dot alarm condition after closing the door.
- doA Open door alarm delay: (0+255 min) delay between the detection of the open door condition and its alarm signalling: the flashing message "dA" is displayed. **nPS Pressure switch number:** $(0 \div 15)$ Number of activation of the pressure switch, during the "did" interval,
- before signalling the alarm event (I2F= PAL).

PROBE INPUTS

- Ot Thermostat probe calibration: (-12.0+12.0°C/ -21+21°F) allows to adjust possible offset of the thermostat probe
- Auxiliary probe calibration: (-12.0+12.0°C/ -21+21°F) allows to adjust possible offsets of the evaporator 03 probe.
- P2P Evaporator probe presence:
- n= not present: the defrost stops only by time; y= present: the defrost stops by temperature and time.
- P3P Auxiliary probe presence: n= not present; y= present. HES Temperature increase during the Energy Saving cycle : (-30,0°C + 30,0°C / -22+86°F) sets the increasing value of the set point during the Energy Saving cycle.

Time interval/delay for digital input alarm:(0+255 min.) Time interval to calculate the number of the

pressure switch activation when I2F=PAL. If I2F=EAL or bAL (external alarms), "did" parameter defines

RS485 serial address (1÷247): Identifies the instrument address when connected to a ModBUS

Probes display: (read only) display the temperature values of the evaporator probe Pb2 and the auxiliary

The Wing series can support up to 2 free contact digital inputs. One is always configured as door switch, the second is programmable in seven different configurations by the "12F" parameter.

Since the door is opened, after the delay time set through parameter "dOA", the alarm output is enabled and the

display shows the message "dA". The alarm stops as soon as the external digital input is disabled again. During

As soon as the digital input is activated the unit will wait for "did" time delay before signalling the "EAL" alarm

2/4

message. The outputs status don't change. The alarm stops just after the digital input is de-activated

this time and then for the delay "dot" after closing the door, the high and low temperature alarms are disabled.

the time delay between the detection and the successive signalling of the alarm. SAA Set Point for anti-condensing heater: (-50,0+110,0°C; -58+230°F) defines the room temperature

DIGITAL INPUTS

12F

did

OTHER

Adr

Rel

Pth

Prd

XW220L

probe Pb3.

6. DIGITAL INPUTS

6.1 DOOR SWITCH INPUT

CPr = Compressor OFF;

F C = Compressor OFF

no = normal;

Fan = normal;

- odc Compressor and fan status when open door:
- no = normal:
 - Fan = normal;
 - CPr = Compressor OFF;
- F_C = Compressor OFF

EAL = generic alarm;

PAL = Pressure switch;

dFr = Start defrost; AUS = not used:

Es = Energy Saving onF = remote On/OFF

bAL = serious alarm mode;

compatible monitoring system.

- Door switch input polarity:
- CL : the digital input is activated by closing the contact; OP : the digital input is activated by opening the contact.

OP : the digital input is activated by opening the contact

Digital input operating mode: configure the digital input function:

Release software: (read only) Software version of the microprocessor.

Parameter table: (read only) it shows the original code of the dixall parameter map

It signals the door status and the corresponding relay output status through the "odc" parameter:

12P Configurable digital input polarity: CL : the digital input is activated by closing the contact;

setpoint to switch on the anti-condensing heater

Pr2 Access to the protected parameter list (read only).

6.2 CONFIGURABLE INPUT - GENERIC ALARM (EAL)

Installing and Operating Instructions

6.3 CONFIGURABLE INPUT - SERIOUS ALARM MODE (BAL)

When the digital input is activated, the unit will wait for "did" delay before signalling the "BAL" alarm message. The relay outputs are switched OFF. The alarm will stop as soon as the digital input is de-activated.

6.4 CONFIGURABLE INPUT - PRESSURE SWITCH (PAL)

If during the interval time set by "did" parameter, the pressure switch has reached the number of activation of the "nPS" parameter, the "PAL" pressure alarm message will be displayed. The compressor and the regulation are stopped. When the digital input is ON the compressor is always OFF.

6.5 CONFIGURABLE INPUT - START DEFROST (DFR)

It executes a defrost if there are the right conditions. After the defrost is finished, the normal regulation will restart only if the digital input is disabled otherwise the instrument will wait until the "Mdf" safety time is expired.

6.6 CONFIGURABLE INPUT - ENERGY SAVING (ES)

The Energy Saving function allows to change the set point value as the result of the SET+ HES (parmeter) sum. This function is enabled until the digital input is activated.

6.7 CONFIGURABLE INPUT - REMOTE ON/OFF (ONF)

This function allows to switch ON and OFF the instrument.

6.8 DIGITAL INPUTS POLARITY

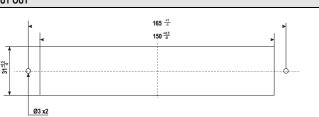
The digital inputs polarity depends on "I1P" and "I2P" parameters

- CL : the digital input is activated by closing the contact.
- OP : the digital input is activated by opening the contact

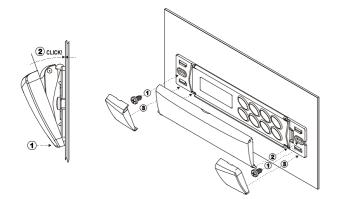
7. INSTALLATION AND MOUNTING

Instruments XW220L shall be mounted on vertical panel, in a 150x31 mm hole, and fixed using two screws \oslash 3 x 2mm. To obtain an IP65 protection grade use the front panel rubber gasket (mod. RG-L). The temperature range allowed for correct operation is 0 - 60 °C. Avoid places subject to strong vibrations, corrosive gases, excessive dirt or humidity. The same recommendations apply to probes. Let the air circulate by the cooling holes.

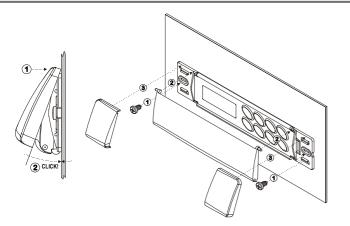
7.1 CUT OUT



7.2 MOUNTING WITH KEYBOARD COVER OPENING DOWNWARD



7.3 MOUNTING WITH KEYBOARD COVER OPENING UPWARD



8. ELECTRICAL CONNECTIONS

The instruments are provided with screw terminal block to connect cables with a cross section up to 2,5 mm² for the digital and analogue inputs. Relays and power supply have a Faston connection (6,3mm). Heat-resistant cables have to be used. Before connecting cables make sure the power supply complies with the instrument's requirements. Separate the probe cables from the power supply cables, from the outputs and the power connections. Do not exceed the maximum current allowed on each relay, in case of heavier loads use a suitable external relay.

N.B. Maximum current allowed for all the loads is 20A

8.1 PROBE CONNECTIONS

The probes shall be mounted with the bulb upwards to prevent damages due to casual liquid infiltration. It is recommended to place the thermostat probe away from air streams to correctly measure the average room temperature.

9. TTL SERIAL LINE

The TTL connector allows, by means of the external module TTL/RS485, to connect the unit to a network line **ModBUS-RTU** compatible as the **dixzL** monitoring system XJ500 (Version 3.0). The same TTL connector is used to upload and download the parameter list of the "**HOT KEY**".

10. USE OF THE PROGRAMMING "HOT KEY "

The Wing units can UPLOAD or DOWNLOAD the parameter list from its own E2 internal memory to the "Hot Key" and vice-versa.

10.1	DOWNLOAD (FROM THE "HOT KEY" TO THE INSTRUMENT)
------	---

- Turn OFF the instrument by means of the ON/OFF key, remove the TTL serial cable if present, insert the "Hot Key" and then turn the Wing ON.
- Automatically the parameter list of the "Hot Key" is downloaded into the Wing memory, the "DoL" message is blinking. After 10 seconds the instrument will restart working with the new parameters.
- 3. Turn OFF the instrument remove the "Hot Key", plug in the TTL serial cable, then turn it ON again. At the end of the data transfer phase the instrument displays the following messages:
- "end " for right programming. The instrument starts regularly with the new programming.

"err" for failed programming. In this case turn the unit off and then on if you want to restart the download again or remove the "Hot key" to abort the operation.

10.2 UPLOAD (FROM THE INSTRUMENT TO THE "HOT KEY")

- Turn OFF the instrument by means of the ON/OFF key and remove the TTL serial cable if present; then turn it ON again.
- 2. When the Wing unit is ON, insert the "Hot key" and push ^{c2} key; the "uPL" message appears.
- 3. Push "SET" key to start the UPLOAD; the "uPL" message is blinking.

 Turn OFF the instrument remove the "Hot Key", plug in the TTL serial cable, then turn it ON again. At the end of the data transfer phase the instrument displays the following messages:

"end " for right programming.

"err" for failed programming. In this case push "SET" key if you want to restart the programming again or remove the not programmed "Hot key".

11. ALARM SIGNALS

Message	Cause	Outputs
"P1"	Thermostat probe failure	Alarm output ON; Compressor output according to parameters "COn" and "COF"
"P3"	Auxiliary probe failure	Alarm output ON; Other outputs unchanged
"HA"	Maximum temperature alarm	Alarm output ON; Other outputs unchanged
"LA"	Minimum temperature alarm	Alarm output ON; Other outputs unchanged
"EE"	Data or memory failure	Alarm output ON; Other outputs unchanged
"dA"	Defrost timeout alarm	Alarm output ON; Other outputs unchanged
"dAL"	Door switch alarm	Alarm output ON; Other outputs unchanged
"EAL"	External alarm	Alarm output ON; Other outputs unchanged
"BAL"	Serious external alarm	Alarm output ON; Other outputs OFF
"PAL"	Pressure switch alarm	Alarm output ON; Other outputs OFF
The alarm r	message is displayed until the alarm conditi	on is recovery.

All the alarm messages are showed alternating with the room temperature except for the "P1" which is flashing. To reset the "EE" alarm and restart the normal functioning press any key, the "rSt" message is displayed for about 3s.

11.1 SILENCING BUZZER

Once the alarm signal is detected the buzzer and the relay are is silenced by pressing any key.

11.2 "EE" ALARM

The **dixal** instruments are provided with an internal check for the data integrity. Alarm "EE" flashes when a failure in the memory data occurs. In such cases the alarm output is enabled.

11.3 ALARM RECOVERY

Probe alarms : "P1" (probe1 faulty), and "P3"; they automatically stop 10s after the probe restarts normal operation. Check connections before replacing the probe.

Temperature alarms "HA" and "LA" automatically stop as soon as the thermostat temperature returns to normal values or when the defrost starts.

Door switch alarm "dA" stop as soon as the door is closed.

External alarms "EAL", "BAL" stop as soon as the external digital input is disabled "PAL" alarm is recovered by switching OFF the instrument.

12. TECHNICAL DATA

Housing: self extinguishing ABS.

Case: facia 38x185 mm; depth 76mm

Mounting : panel mounting in a 150x31 mm panel cut-out with two screws. Ø 3 x 2mm. Distance between the holes 165mm

Protection: IP20.

FILECTION. IF 20.

Frontal protection: IP65 with frontal gasket mod RG-L. (optional) Connections: Screw terminal block ≤ 2,5 mm² heat-resistant wiring and 6,3mm Faston

Power supply: 230Vac or. 110Vac \pm 10%

ispl	x2L	Installing	j an	d Ope
	er absorption: 7VA max.			
	lay: 3 digits, red LED, 14,2 mm high. ts: 2 NTC probes			
	al inputs: 2 free voltage			
Īay	y outputs: Total current on loads MAX. 20A			
	pressor: relay SPST 20(8) A, 250Vac			
	: relay SPST 16(3) A, 250Vac r output : alarm buzzer			
	I output : TTL standard			
m	munication protocol: Modbus - RTU			
	storing: on the non-volatile memory (EEPROM).			
	of action: 1B. Ition grade: normal			
	vare class: A.			
per	ating temperature: 0÷60 °C.			
	age temperature: -25÷60 °C.			
	tive humidity: 20÷85% (no condensing) suring and regulation range: NTC probe: -40÷110°	C (-58÷230°F)		
eso	lution: 0,1 °C or 1 °C or 1 °F (selectable).			
cu	iracy (ambient temp. 25°C) : ±0,5 °C ±1 digit			
}.	CONNECTIONS		_	
4	XW(2201			
.1	XW220L			
	16A 20A	XW220L]	
	250Vac 250Vac MAX	,,,,ZZUL		
	20A			
		HOT	amming 👩 📘 👌	W-REP
	9 10 11 12 13 14			
	entart · · · · ·	Common Digitalinp.		
	Light Comp 💆	Digital inp.		
	DEFAULT SETTING VALUES			
	DEFAULT SETTING VALUES			
abe	el Name	Range	Default	
_	REGULATION		°C/°F	XW220L
et	Set point	LS+US	3	Pr1
	Differential	0,1÷25,5 °C / 1÷45°F	2	Pr1
	Minimum set point	-50,0°C÷SET / -58°F÷SET	-10	Pr2
\$	Maximum set point	SET ÷ 110°C / SET ÷ 230°F 0÷255 min.	20	Pr2 Pr2
HS C	Outputs activation delay at start up Anti-short cycle delay	0÷255 min. 0÷30 min.	1	Pr2 Pr1
; Ct	Anti-short cycle delay Compressor ON time during fast freezing	0 ÷ 30 min. 0 ÷ 23h 50 min.	0	Pr1 Pr2
Dr Dn	Compressor ON time during fast freezing Compressor ON time with faulty probe	0 ÷ 236 50 min. 0÷255 min.	15	Pr2 Pr2
) DF	,	0+255 min.	30	Pr2
+	Type of action	CL÷Ht	CL	Pr2
	DISPLAY			
F	Temperature measurement unit	°C ÷ °F	°C	Pr2
· C	Resolution (integer/decimal point)	in ÷ de	de	Pr1
	Local display	P1 ÷ 1r2	P1	Pr2
d		D1 1 C	Ċ	
d	Remote display	P1 ÷ 1r2	P1	Pr2
od ed	Remote display DEFROST			
id ed IF	Remote display DEFROST Defrost mode	In, Sd	In	Pr2
id ed JF F	Remote display DEFROST Defrost mode Interval between defrost cycles			
dF dF dF	Remote display DEFROST Defrost mode	In, Sd 1÷120h	In 8	Pr2 Pr1
d F dF dF	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost	In, Sd 1÷120h 0÷255 min.	In 8 20	Pr2 Pr1 Pr1
id ed IF GF id Vd	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y	In 8 20 it 30 n	Pr2 Pr1 Pr1 Pr2 Pr2 Pr2 Pr2
d F IF d O	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min.	In 8 20 it 30	Pr2 Pr1 Pr1 Pr2 Pr2 Pr2
id ed IF dF dF id Nd PO NF	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min.	In 8 20 it 30 n 2	Pr2 Pr1 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2
id ed IF dF dF id Nd PO NF	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab	In 8 20 it 30 n 2 rE	Pr2 Pr1 Pr1 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2
	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F	In 8 20 it 30 n 2	Pr2 Pr1 Pr2
IF F dF dF dF dF dF dF dF dC dF dC dC dC dC dC dC dC dC dC dC dC dC dC	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F -50,0+110°C/ -58+230°F	In 8 20 it 30 n 2 2 FE 10 10	Pr2 Pr1 Pr1 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr1
dF F dF dF dF dF dF dF d Ad PO LC LU LL FH	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F -50,0+110°C/ -58+230°F 0,1+25,5°C / 1+45°F	In 8 20 it 30 n 2 FE 10 10 2	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2
d HF HF d M V V F C U L H d	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm Temperature alarm Temperature alarm Temperature alarm	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F -50,0+110°C/ -58+230°F	In 8 20 it 30 n 2 2 FE 10 10	Pr2 Pr1 Pr1 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr1
	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm Temperature alarm Temperature alarm Temperature alarm	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. <u>rE+Ab</u> -50,0+110°C/ -58+230°F -50,0+110°C/ -58+230°F 0,1+25,5°C / 1+45°F 0+255 min.	In 8 20 it 30 n 2 FE 10 10 2 15	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr1 Pr2 Pr2
	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. <u>rE+Ab</u> -50,0+110°C/ -58+230°F 0,1+25,5 °C / 1+45°F 0+255 min. 0 + 23h 50 min.	In 8 20 it 30 n 2 FE 10 10 10 2 15 1.3 30 15	Pr2 Pr1 Pr2 Pr1 Pr1 Pr2
d d d d d d d d d C L L H d d O F C L L H d d A t D A	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm after defrost Delay of temperature alarm after defrost Delay of temperature alarm after closing the door Open door alarm delay	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F 0,1+25,5 °C / 1+45°F 0+255 min. 0 + 23h 50 min. 0+255 min. 0+255 min. 0+255 min.	In 8 20 it 30 n 2 FE 10 10 10 2 15 1.3 30 15 15	Pr2 Pr1 Pr2 Pr1 Pr2 Pr1 Pr2
d d d d d d d d d C L L H d d O F C L L H d d A t D A	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n ÷ y 0 ÷ 23h 50 min. rE+Ab -50,0+110°C/-58+230°F -50,0+110°C/-58+230°F 0,1+25,5°C / 1+45°F 0+255 min. 0 ÷ 23h 50 min. 0+255 min.	In 8 20 it 30 n 2 FE 10 10 10 2 15 1.3 30 15	Pr2 Pr1 Pr2 Pr1 Pr1 Pr2
d d F IF d d O F C U L H d O A t A S	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm after closing the door Open door alarm delay Persure switch activation number ANALOGUE INPUTS	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. <u>rE+Ab</u> -50,0+110°C/ -58+230°F 0,1+25,5°C / 1+45°F 0+255 min. 0 + 23h 50 min. 0+255 min. 0+255 min. 0+255 min. 0+255 min. 0+255 min. 0+15	In 8 20 it 30 n 2 TE 10 10 2 15 1.3 30 15 15 0	Pr2 Pr1 Pr2 Pr1 Pr1 Pr1 Pr1 Pr2
d d d d d d d d d d d d d d d d d d d	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F 0,1+25,5°C / 1+45°F 0+255 min. 0 + 23h 50 min. 0+255	In 8 20 it 30 n 2 FE 10 10 10 2 15 1.3 30 15 15 15 0 0	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr1 Pr2
d d d d d d d d d d d d d d d f d d d d	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe calibration	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F 0,1+25,5°C / 1+45°F 0+255 min. 0 + 23h 50 min. 0+255 min.	In 8 20 it 30 n 2 FE 10 10 2 15 1.3 30 15 15 15 0 0 0 0	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2
d d HF F HF d O F C U L H d O A B B B B B B B C C U L H d O A C D A B C D A B C D A B C D A B C D A C D A C D A C D A C D A C A	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/-58+230°F 0,1+25,5 °C/1+45°F 0+255 min. 0 + 23h 50 min. 0 + 255 min. 0 + 250 min. 0	In 8 20 30 n 2 rE 10 10 10 2 15 1.3 30 15 15 15 15 0 0 0 0 0 0	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr2
	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F 0,1+25,5°C / 1+45°F 0+255 min. 0 + 23h 50 min. 0+255 min.	In 8 20 it 30 n 2 FE 10 10 2 15 1.3 30 15 15 15 0 0 0 0	Pr2 Pr1 Pr2 Pr2
	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANLOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/-58+230°F 0,1+25,5 °C/1+45°F 0+255 min. 0 + 23h 50 min. 0 + 255 min. 0 + 250 min. 0	In 8 20 30 n 2 rE 10 10 10 2 15 1.3 30 15 15 15 15 0 0 0 0 0 0	Pr2 Pr1 Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr1 Pr2 Pr2 Pr2 Pr1 Pr2 Pr2 Pr2
ed ed IF IGF Fd Ad PO AF LC LU LL LL LL LL LL LL LL LL C LU LL LL C AA FH LC AA FH LC C LU ES S B S	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving cycle	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/-58+230°F 0,1+25,5 °C/1+45°F 0+255 min. 0 + 23h 50 min. 0 + 255 min. 0 + 250 min. 0	In 8 20 30 n 2 rE 10 10 10 2 15 1.3 30 15 15 15 15 0 0 0 0 0 0	Pr2 Pr1 Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr1 Pr2 Pr2 Pr2 Pr1 Pr2 Pr2 Pr2
ed dF dF dF dF Ad PO AF LC LU LL LL LL LL LL LL LL LL LL LL EH LL AO dA F AF ES ed CAF CAF CAF CAF CAF CAF CAF CAF CAF CAF	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving cycle DIGITAL INPUTS Open door control Door switch polarity	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/-58+230°F 0,1+25,5 °C/1+45°F 0+255 min. 0 + 23h 50 min. 0 + 255 min. 0 + 256 min. 0 + 266 min. 0	In 8 20 it 30 n 2 rE 10 10 10 2 15 1.3 30 15 15 15 15 0 0 0 0 0 0 0 0 5 Ran CL	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr2
d d d d f f f f d f d f d f d f d f d f d f f f f f f f f f f f f f	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANLOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving cycle DIGITAL INPUTS Open door control Door switch polarity Configurable digital input polarity	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/-58+230°F 0,1+25,5°C/1+45°F 0+255 min. 0 + 23h 50 min. 0 + 23h 50 min. 0 + 255 min. 0 + 250 min. 0 + 20 min.	In 8 20 it 30 n 2 rE 10 10 10 2 15 1.3 30 15 15 15 0 5 0 0 0 0 0 0 0 5 Fan CL CL	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr2
d d f f f d f d f d f f f d f d f f f d d f f f d d f f f d d f f f d d f f f d d f f f d d f f f d d f f f f d d f f f f f d f	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving cycle DIGITAL INPUTS Open door control Door switch polarity	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F 0,1+25,5 °C / 1+45°F 0+255 min. 0 + 255 min. 0+255 min. 0+250 min. 0+200	In 8 20 it 30 n 2 rE 10 10 10 2 15 1.3 30 15 15 15 15 0 0 0 0 0 0 0 0 5 Ran CL	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr2
S od ied dF dF dF dF dA PO AF LC LU LL LL LL LL LL LL LL LL LL LL LL LL	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving cycle DJGITAL INPUTS Open door control Door switch polarity Configurable digital input polarity Digital input configuration	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. <u>rE+Ab</u> -50,0+110°C/ -58+230°F 0,1+25,5°C / 1+45°F 0+255 min. 0 + 255 min. 0 + 250 min. 0 +	In 8 20 it 30 n 2 7 E 10 10 2 15 1.3 30 15 15 15 0 0 0 0 0 0 0 0 0 5 Fan CL CL EAL	Pr2 Pr1 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr2 Pr1 Pr2 Pr2 Pr1 Pr2 Pr2
d d d d d d d d d d d d d d	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving cycle DiGITAL INPUTS Open door control Door switch polarity Configurable digital input polarity Digital input configuration	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/ -58+230°F 0,1+25,5 °C / 1+45°F 0+255 min. 0 + 255 min. 0+255 min. 0+250 min. 0+200	In 8 20 it 30 n 2 rE 10 10 10 2 15 1.3 30 15 15 15 0 5 0 0 0 0 0 0 0 5 Fan CL CL	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr2
d F F F F C U L H d O A t A S S C C V L H d C C V L H C S S S	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving cycle DiGITAL INPUTS Open door control Door switch polarity Configurable digital input polarity Digital input configuration Digital input alarm delay OTHER	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. rE+Ab -50,0+110°C/-58+230°F 0,1+25,5 °C/1+45°F 0+255 min. 0 + 23h 50 min. 0 + 255 min. 0	In 8 20 it 30 n 2 7 E 10 10 2 15 1.3 30 15 15 15 15 15 0 0 0 0 n 0 0 Fan CL CL EAL 5 5	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr2
d d H H d d C U L H d d O F C U L H d A C U L H T A C C U L H T T T T T T T T T T T T T	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving cycle DiGITAL INPUTS Open door control Door switch polarity Configurable digital input polarity Digital input alarm delay Digital input alarm delay OTHER Serial address	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 + 23h 50 min. <u>rE+Ab</u> -50,0+110°C/ -58+230°F 0,1+25,5°C / 1+45°F 0+255 min. 0 + 255 min. 0 + 250 min. 0 +	In 8 20 it 30 n 2 rE 10 10 10 2 15 1.3 30 15 1.3 30 15 15 15 0 0 0 0 0 0 n 0 5 5 5 1 2	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr2
	Remote display DEFROST Defrost mode Interval between defrost cycles (Maximum) length for 1° defrost Displaying during defrost MAX display delay after defrost First defrost after start up Defrost delay after fast freezing ALARMS Temperature alarms configuration MAXIMUM temperature alarm minimum temperature alarm Temperature alarm differential Temperature alarm delay Delay of temperature alarm at start up Alarm delay at the end of defrost Delay of temperature alarm after closing the door Open door alarm delay Pressure switch activation number ANALOGUE INPUTS Thermostat probe calibration Auxiliary probe presence Temperature increase during the Energy Saving cycle DiGITAL INPUTS Open door control Door switch polarity Configurable digital input polarity Digital input configuration Digital input alarm delay OTHER	In, Sd 1+120h 0+255 min. rt, it, SEt, dEF, dEG 0+255 min. n + y 0 ÷ 23h 50 min. rE+Ab -50,0+110°C/-58+230°F 0,1+25,5 °C / 1+45°F 0+255 min. 0 + 23h 50 min. 0 + 23h 50 min. 0 + 255 min. 0 + 247	In 8 20 it 30 n 2 7 E 10 10 2 15 1.3 30 15 15 15 15 15 0 0 0 0 n 0 0 Fan CL CL EAL 5 5	Pr2 Pr1 Pr2 Pr1 Pr2 Pr2 Pr2