Temperature and Humidity controller for Seasoning, 2.8" display with touch keys





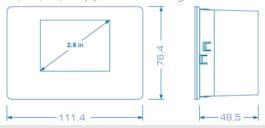


ENGLISH

- Temperature and humidity controller for Seasoning with 6 cycles (programs) made by three processes with configurable parameters. Humidity probe EVCO EVHTP500 only; Cabinet and auxiliary probes.
- 12Vac/dc power supply Real time clock RTC and memory for data logging and BLE for communication with APP EVconnect (Android).
- Door switch or configurable
 - 6 relay configurable outputs, 30 A res. @ 250 VAC compressor relay Alarm Buzzer
- TTL communication port for optional RS485/RTC external interface alternative to BLE/LOG (Cap. First Handling).

DIMENSION AND INSTALLING

Dimensions in 11.4x76.4x48.5mm (in): Front Panel mounting



INSTALLATION PRECAUTIONS

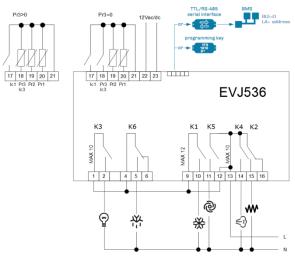
- The thickness of the panel must be between 0.8 and 2.0 mm (1/32 and 1/16 in)
- Ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFI-CATIONS section.
- Do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations or shocks.
- In compliance with safety regulations, the device must be installed properly to ensure adequate protection from contact with electrical parts. All protective parts must be fixed in such a way as to need the aid of a tool to remove them

ELECTRICAL CONNECTION



BE AWARE OF

- Use cables of an adequate section for the current running through them
- To reduce any electromagnetic interference connect the power cables as far away as possible from the signal cables.



Default values

- K1 = 30A= compresso k2 = 8A= Heating
- K4 = 8A= Humidify
- K5 = 5A= Evaporator Fan K6 = 8A= Defrost

PRECAUTIONS FOR ELECTRICAL CONNECTION

If using an electrical or pneumatic screwdriver, adjust the tightening torque

Pr2=

Pr3 / ic3 =

Moving the device from cold to warm places, there may be internal condensing. Wait about an hour before switching on the power. Make sure that the supply voltage, electrical frequency and power are within the set

Humidity EVCO probe EVHTP500

Door switch or configurable

Evaporator / Configurable / Digital input

- limits. See the section TECHNICAL SPECIFICATIONS
- Disconnect the power supply before doing any type of maintenance. Do not use the device as safety device
- For repairs and for further information, contact the EVCO sales network.

FIRST HANDLING

- Install following the instructions given in the section DIMENSION AND IN-
- Power up the device as shown in the section ELECTRICAL CONNECTION. Configure the device with configuration parameters: relay uc1..uc6, inputs
- Pr2 Pr3 e ic1 and uc3;
- Then check that the remaining settings are appropriate;
- 5. Disconnect the device from the mains.
- Make the electrical connection as shown in the section ELECTRICAL CON-NECTION without powering up the device.
- To connect the unit to an RS-485 network connect the interface EVIF22TSX or EVIF23TSX (With RTC). A network communication is alternative to local transmission and data recording, necessary set BLE=0.
- Power up the device.



Device ON/OFF

Touch the ON-OFF key for 2", the device alternatively turns on or Off



When the device is off, the display shows the off icon for some seconds and then turn to black for energy

BE AWARE: after turning on the unit the regulation re-starts automatically if a cycle was running before

5. USER INTERFACE AND MAIN **KEY FUNCTIONS** LED ON BLINKING Cooling request * compressor Off Protection delay time De-humidify request Defrost delay time * defrost Dripping Evaporator fan delay time @ Evaporator fans on Evaporator fan off De-humidify, Humidify cycle: Humidify request €} Humidify relay e-Humidify reques Delay when de-humidify with de-Humidify relay Heating request ₩ HACCP Alarm loggged HACCE New alarm logged Energy saving Maintenance Collegamento remoto C/F/ Jnit of measurement % Auxiliary function **AUX** Auxiliary not active **₽** Light on by key Light off Light on by door open Active alarm Over the sepoint Under the sepoint keyboard status

KEY COMMANDS

pen Dooi

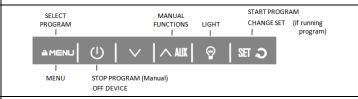
Running Cycle

Key commands can be direct (upper functions) or by 2 seconds time based (lower functions MENU-STOP/OFF):

Cycle in stand-by, another func-

Door closed

No cycle running

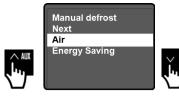




BACK or EXIT FROM A SUBMENU OR THE SETPOINT touch the key

7. AUX KEY FUNCTIONS

User commands are available touching the AUX key



CONFIRM: Select an item with up and down keys, press SET to confirm or abort:

> **Manual Defrost** Set to Confirm



Some functions can be disabled by repeating the same procedure (Energy Sav ing). Other functions will proceed following their process until the end (Defrost, Air Change)

Some functions may not be visible if the unit status is not running or the mode does not support the function itself.

Manual defrost: Execute a defrost, if the evaporator probe is present "Pr3=5" and the evaporator condition allows it. With no evaporator probe configured the defrost is time based

Air: it executes a stop regulation interval with Air output enabled.

(aripping, arying, seasoning) of a pr gram skipping the loaded countdown in that moment.

Air Change: Run-Rest and Defrost do no skip, but follow their own regulation Energy Saving: Enable the energy saving function changing the "temperature set + r4 differential". Repeat the operation to disable the function.

Aux: if the auxiliary output is configured as manual control.

OFF key to EXIT



PROGRAMS

A program is made by 3 sequential processes:

1 Dripping	2 Drying 6 Phases	3 Seasoning

Each process or phase is provided with its own temperature and humidity setpoints and timer. The regulation proceeds until all the processes are completed and after the seasoning (3) it must be manually stopped

10. START A PROGRAM



SELECT THE PROGRAM Touch MENU to list the programs, select an item with up or down arrows and







CHANGE THE SETPOINTS AND TIMER BEFORE STARTING

To change temperature and humidity setpoints and/or the time duration of any process push MENU for 2" and enter the selected program (see the program

START A SELECTED CYCLE

After selecting a program, touch SET key and cycle starts: the $oldsymbol{\mathcal{V}}$ icon is on.



The lower part of the display shows the running program, the process and the phase with the countdown time.

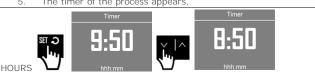
11. CHANGING THE SETTING OF A RUNTIME PRO-

If enabled in your unit, it is possible to change the setpoints and time duration as follow

Push SET key, the temperature setpoint appears with the available range



- Push up or down arrows to change the value and then $\ensuremath{\mathbf{SET}}$ to confirm
- The humidity SET2 appears
- Push up or down arrows to change the value and then SET2 to con-4. firm
- The timer of the process appears



- Push SET and then up or down arrows to change the hours on the left, push SET to confirm
- Push SET and then up or down arrows to change the minutes on the right, push SET to confirm.

INTERMEDIATE EXIT: wait 5 seconds or push



12. END OF A PROGRAM

AUTOMATIC END After all the countdown timers of the 3 processes are expired, the cycle is finished and the "END" label appears on the bottom, the regulation proceed until the manual stop.

MANUAL STOP available at any time, keep pushed the off key to stop the cycle,



The same cycle or another program can be selected to be restarted.

ALARMS

All the alarms events are displayed by rotation on the bottom line of the display.

TEMPERATURE and HUMI DITY ALARMS are available during the final part of the program: the 3d process of Seasoning

SILENCING TE BUZZER Alarm sounding can be reset touching MENU/SET keys.



Faulty Sensor alarms: a faulty probe or wrong probe connection is showed by "--.-". The alarm probe connection is showed by icon and an alarm message is available on the bottom line.



RTC alarm and Power failure With rtc and parameter "Hr0=1" it is recorded if longer than > A10. The alarm message is showed on the bottom line of the display, push a key to check the

Push a key to check the clock setting then message disappears

LIST OF THE ACTIVE ALARMS

All the active alarms are also listed into MENU_SERVICE_ALARMS.

LIST OF HACCP ALARMS LOG

All the Haccp alarm are listed into the MENU_SERVICE_HACCP log To reset the blinking alarm icon enter the MENU_SERVICE: Reset data

14. MENU - PROGRAM CONFIGURATION

Touch the MENU key for 2 seconds to enter the loaded program configuration, push SET and then select the item with up or down and the SET to confirm.

Program values can be changed by the user also during a running cycle. The

new value will be loaded if the corresponding process/phase hasn't been execut-

2 Drying

6 Phases

3 4

Drying 4

Run

The whole Drying process is made by 6 phases where the Run-Rest function is

It is also possible to activate a defrost during the Rest duration, both will fol-

BY default the defrost is manual, to enable the automatic timer set "d0>0"

At the end of the Dripping process it is possible to activate a Rest period.

5 6

Rest

Def



ed yet or with next program restarts

Dripping

R

Rest

Def



Seasoning

Run



To show the list of active alarms Alarm Reset (code 149) Re-load original parameter map. ! BE AWARE (**) Show the HACCP Log from last Alarm Reset.

(**) custom configuration may be different from default values. By re loading the original values the loads can be damaged if not corresponding.

REAL TIME CLOCK

Real time clock functions are available if provided on board or connected with external interfaces EVIF23TSX or EVIF25TBX (Evlink), Enter this menu to set the clock. Function related to Clock



Enter the Clock menu and: push SET and change year value YY; push SET and change month value MM; push SET and change day value DD;

push SET and change hour value; push SET and change minutes value; EXIT the menu with

Regulation functions related to the clock:

- daily defrost time table: Hd1..Hd6 if enabled the unit always performs the defrosts at the selected times
- daily Air change time table: F31..F36 if enabled the unit always performs the Air Change at the selected times
- daily Energy Saving H01..H02

PROGRAM 1..6 STRUCTURE

1 -DRIPPING (*)

lows their timers

DURATION Hours 0= skip process CORE SET °C/°F only display SET 1 temperature cabinet regulation temperature °C/°F SET 2 Humidiy % 0=humidity not regulated Low speed fan Y/N Low speed fan on (Evap fan stopped) Run-Rest Y/N execute a Rest at the end of the drip

2- DRIYNG (*) PHASE 1..6

DURATION Hours SET 1 temperature °C/°F cabinet regulation temperature SET 2 Humidiv 0=humidity not regulated % low speed fan Y/N Low speed fan relay Run-Rest Y/N Enable Run-Rest function

3- SEASONING (*)

DURATION Days SET 1 temperature °C/°F cabinet regulation temperature SET 2 Humidiy % 0=humidity not regulated Low speed fan Y/N Low speed fan relay Enable Run-Rest function Run-Rest Y/N

MENU COMMON PROGRAM FUNCTIONS



Running interval time Resting duration time Select Air change in processes 1..3 (*) Air Interval if >0. if 0 = only manualEnable Air Change if >0

Run-Rest

The Run-Rest is a common repetitive function available by selecting it at the end of the Dripping (1) and along the whole Dripping 1..6 phases (2) or in seasoning(3)

The "Rest" function is repeated if the interval time is >0, during the "Rest" time no regulation is executed. It is possible to combine a defrost by enabling the parameter "d13=1". Configuration parameters are available under MENU.

(*) Air change

The Air Change is a common repetitive function that activates the Air relay after an interval time, while the regulation is turned off. If no relay is configured the function just stop the regulation control for the time duration.

Configuration parameters are available under the MENU. By default the function is manual.

MANUAL FUNCTION (Default) with Air interval=0 and operating with AUX key.

CYCLING FUNCTION

If "Air Interval > 0 hours" the function repeats after each interval with the following Control Process:

0= all the processes 1-2-3 (dripping-driyng-seasoning),

- 1= only 1 & 2 dripping-driyng processes,
- 2= only 2 & 3 driyng-seasoning processes,
- = only 1 & 3 dripping-seasoning processes

15. OTHER MENU CONFIGURATION

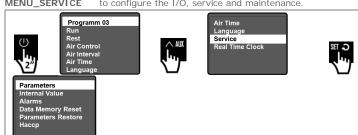


Language Select language Service To show configuration Parameters, Alarms, REset alarms and Statistics. Real time Clock To set the Clock if ena-

bled. Available only if the clock option is availabe.

LANGUAGE To select the operative language. This version fully supports "I" and "E"

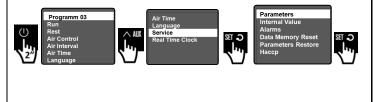
MENU_SERVICE to configure the I/O, service and maintenance

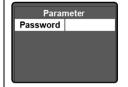


Parameters To access and configure parameters To show I/O values of the I/O signals and variables. Internal value

16. PARAMETERS AND PASSWORD

ENTER: Push MENU key for 2 seconds





Enter the password using directly the up or down ar rows, the pass background color turns to green push SET to confirm:

password value corresponding to "PS1=1" to enter

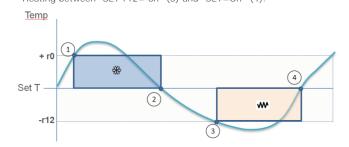
password value corresponding to "PAS=-19" to enter all the parameters

17. REGULATION

Temperature regulation

The temperature setpoint can be set between the limits min "r1" and max "r2" The temperature is regulated with the following outputs:

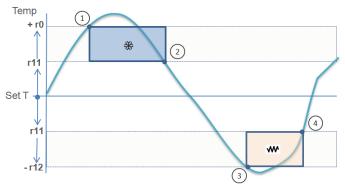
Cooling between "SET+r0= on" (1) and "SET=off" (2). Heating between "SET-r12= on" (3) and "SET=Off" (4)



TEMPERATURE REGULATION WITH NEUTRAL ZONE

Available by setting "r11<>0" the value is inserted between the SET and the dif-

Cooling regulation "SET+r11+r0= on" (1) and "SET+r11=off" (2). ₩ Heating regulation "SET-r11-r12" = on (3) and "SET-r11" = OFF (2).



if "r11<0" the neutral zone is available only for heating side 3-4.

TEMPERATURE REGULATION and DE-HUMIDIFY WITH COMPRESSOR By setting "rd4=1" the de-humidify function with compressor is enabled, while

setting "rd4=2" the same function is performed by turning on also the Heating output on with the Compressor

TEMPERATURE PRIORITY OVER DE-HUMIDIFY with compressor if "rd4>0". The " ${\bf r14}$ " parameter can be configured as the following priority:

0 = Temperature and humidity are independent and follow their requests.

- 1 = Heat: if the temperature drifts up, the de-humidify is suspended.
- 2 = Heat-Cool: if the temperature drifts up or down, the de-humidify is suspended.
- 3 = Cool: if the temperature drifts-down, the de-humidify is suspended.

HEATING MODULATION

The heating output can be modulated with "r13" by setting a duty cycle interval between 10 and 60". The "r13=60" value (default) means that the heating relay is always on when the request of heating is active.

Be aware that increasing the switching frequency of the relay may introduce long term contact duration concerning.

For safety reasons the fan stop temperature "F1" must be set very high to avoid stopping the fan during the heating.

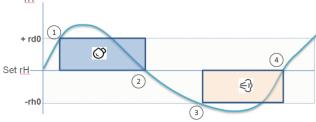
OPEN DOOR

The regulation can be suspended depending on "ic1" digital input function. Regulation can be restarted by forcing the timer setting "i3".

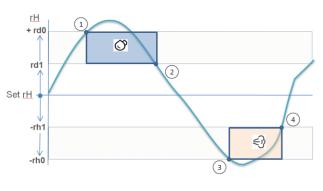
Humidity regulation SEt2

The Humidity is basically controlled by the following algorithms:

 \bigcirc de-humidify is controlled between "SET2+rd0=On" (1) and "SET2=Off" €3 humidify is controlled between "SET2-rh0=On" (3) and "SET2=Off" (4)



A **NEUTRAL ZONE** is available by setting "**rh1**" for the humidify process and "rd1" for the de-humidify process.



OPEN DOOR regulation is suspended depending on "ic1" digital input function. Cooling regulation can be restarted by forcing the time parameter "i3"

DE-HUMIDFY WITH COMPRESSOR

set rd4=1 to use the compressor de-humidify function.

set rd4=2 to use the compressor de-humidify function together with heating re

18. EVAPORATING FAN



FAN STATUS

Parameter "FO" allows the following fan behaviour: 0= Fans on with regulation on (***)

1 = Always ON, (default)

2= ON with compressor ON,

3= Temperature threshold F1, if the evaporator probe is enabled "Pr3=5".

4= ON with compressor ON, if the evaporator probe is enabled "Pr3=5"

For safety reason the fan stop temperature "F1" must be set very high to avoid stopping the fan during the heating.

OTHER SETTINGS

FAN TEMPERATURE THRESOLD "F1" to lock for high temperature if "Pr3=5" Working with heating elements F1 must be set at high values to avoid turning it

DEFROST with "F2" to determine the fan status.

DRIPPING with "F3" to determine the fan stop time after the defrost.

By setting uc()=14 as "evaporator fan 2": if the "low speed fan selection" is enabled, the "evaporator fan 2" runs while the main Evaporator fan is stopped

FAN CYCLES FO=0

(***) By using "F0=0" the evaporators fans can follow on-off cycle:

1) when there are no temperature or humidity request: F11, F12

2) when there is a **de-humidity request** with compressor: rd2-rd3 3) when there is a humidity request and there is no humidity relay: rh2-rh3

DEFAULT VALUES: these values allows to operate normal function Fan_on values F11, rd2 and rh2 =60" 0 while the Fan_Off values F12, rd3 and rh3 are equal to 0": When there is a request the fans turns on. TO ACTIVATE A CYCLE: By setting F12, rd3 and rh3>0 the fan cycling function

is activated when requested TO STOP THE FUN DURING A FUNCTION: setting F11 & F12=0, rd2 or rd3=0 or rh2 & rh3=0 the fan output is disabled even the functions request is to

19. OTHER REGULATION

OMPRESSOR PROTECTION (default value: C2= 3 minutes)

Power on: the first compressor start can be delayed with "C0" minutes. PROTECTION: during normal regulation "C2" keeps the compressor off for the time set in minutes, while "C3" keeps the compressor on for a minimum value in

PROBE SAFETY: if a faulty or wrong probe connection events happen, the display shows "--.-". The compressor follows the "C4" (off) & "C5" (on) time in minutes.

CONDENSING and CONDENSING FAN (default: to configured)

Condensing fan follow the compressor on cycles if no condensing probe is configured. By enabling the condensing probe Pr3=1 the following controls are

"Fc1+Fc2" Temperature threshold to turn on the fan "Fc1" condenser fan off Off temperature threshold ".

"Fc3" fan off time after compressor off.

"C6" threshold for high condensing dangerous for the compressor.

"C7" threshold for high condensing alarm that stop the compressor after "C8" time delay in minutes. A manual reset is requested to restart the controls.

DEFROST

BY default the defrost is manual, to enable the automatic timer set "d0>0".

The defrost control is performed after the " $\mbox{d0"}$ interval if>0 and can be selected among the following mode "d1": 0=electric heater, 1= hot gas, 2=stop compressor.

TEMPERATURE THRESOLD is determined by "d2" and is available only if the evaporator probe is enabled "Pr3=5"

MAXIMUM DURATION determined by the time interval "d3" in minutes. **DEFROST AT POWER ON** determined by the parameter "d4": 0 = no , 1 post overcooling(*), 2=power-on & post-overcooling(*). (*) if available.

DEFROST DELAY: "d5" in minutes following the "d4" selection. DISPLAY LOCKED in DERFOST using the "d11": 0=not locked, 1= locked to

COMPRESSOR STATUS PRE DEFROST time to keep the compressor on before hot gas defrost: 0=no enabled, d15>0 enabled.

DEFROST SYNCHRONISED with REST using the parameter "d13"=1 if a Rest function is performed also the defrost is activated.

RTC DEFROST When the clock function is available, the user can set 6 daily defrosts that starts at "hd1..hd6 > 0" parameters. The function is independ ent from any other timer based functions of the unit.



DEFROST OUTPUT AS HEATER/DE-HUMIDIFIER

Setting "rd5=1" it is possible to use the defrost output also as heating element

AUXILIARY RELAY (default value: to configured)

When configured with "uc ()=15" the auxiliary relay works as:

- on-off relay based on the cabinet probe reading if no auxiliary probe configured:
- on-off relay based on the the auxiliary probe reading if Pr3=4; Manual On-Off via AUX key.

After setting the device output relay, configure the regulation as follow:

"u6" Heating regulation (0), cooling regulation (1), manual via AUX key (2). "u7" Setpoint temperature to turn off the output

"u8" Temperature differential of "u7" to turn on the output

For probe error the relay is open.

AUX OUTPUT VIA MANUAL FUNCTION

By setting "u6=2" the auxiliary relay can be turned on or off entering the \boldsymbol{AUX} menu and selecting AUX function

20. DIGITAL INPUT 1 CONFIGURATION

The digital input 1 can be configured in "ic1" parameter, default door switch

Turns Off and on the unit, a running cycle ends

0= Disabled

1= Energy Saving;

2= Alarm Multifunction;

Only signaling 3= Reserved:

4= Remote Onoff:

i8 events interval i7 i8=0 autoreset 5= Thermal switch: 6= Reserved:

7= Door open 1: Compressor and Fan off, Light on; 8= Door open 2 : Compressor off, Fan and Light on;

9= Door open 3: Light on;

Input polarity is determined by "iP1":

0= active with closed contact; 1= active with open contact.

OPEN DOOR (default value: ic1=7)

Regulation is suspended while the compressor can follow "i3" settings:

"i3=-1" the compressor follows its regulation, "i3=0" compressor goes off "i3>0" the compressor restarts after this delay.

21. CONFIGURATION INPUT 3

By selecting the parameter "Pr3" the following functions are available:

0 = digital input (configuration via ic3)

1 = condenser probe (controls Condenser fan and alarms)

2 = Core probe (only display) 3 = External air probe (only display)

4 = Auxiliary probe (regulation u6,u7,u8.) 5= defrost probe 2 (defrost control)

PRESSURE SWITCH CONFIGURATION

By selecting the parameter "Pr3=0" it is possible to configure also the function of the digital input via iC3": O disabled e 1=pressure switch (see alarms).

RELAY OUTPUT CONFIGURATION



Relay functions are configurable through uc1..6 parameters that corresponds to the K1..K6 outputs. The default configuration: 0 = Unused

1 = Umidifv (rh)

2 = De-Umidify (drh)(the function is performed by the compressor)

3 = Alarm4 = Compressor

Κ1 5 = HeatingK2 6 = Condenser fan

7 = Device status on or off,

8 = Air change9 = Light

К3 10 = Compressor 211 = Evaporator fan 12 = Defrost

13 = Reserved 14 = Evaporator fan 2

(Low speed fan) 15 = AUX(Auxiliary u6,7,8)

Be aware to accurately verify the functions related to the relay outputs, configuration errors may activate unwanted loads. The reloading procedure of a default map is available in "MENU_SERVICE_ Parameters Restore" and it must be done disconnecting the loads.

23. ALARMS

Alarms are displayed on the bottom line of the display

PROBE FAILURE: typical problems: open or short circuited sensor, wrong sen-

"Probe 1 failure" Regulation probe failure, heating regulation is suspended, cooling regulation follow the on-off cycle C4-C5 in minutes.

"Probe 2 failure" Humidity probe failure, humidity and de-humidity regulations are suspended.

"Probe 3 failure" 3d probe failure. If working as evaporator defrost is performed by time "d3", if working as condenser probe the condenser fan follows the compressor, if working as auxiliary the auxiliary relay turns off

TEMPERATURE ALARMS

Temperature alarms are enabled during the Seasoning:

"LOW TEMPERATURE" setting the "A1" threshold. To configure the alarm: "A2" 0= disable, 1=relative to SET, 3=absolute value.

"HIGH TEMPERATURE" setting the "A4" threshold. To configure the alarm: "A5" 0= disable, 1=relative to SET, 3=absolute value.

TEMPERATURE ALARM DELAY

After a power-on with "A6" minutes?

During normal regulation with A7 in minutes.

After a defrost with "A8" in minutes

After closing the door with "A9" in minutes.

HUMIDITY ALARMS

Humidity alarms are enabled during the Seasoning: "LOW HUMIDITY ALARM" setting the AH1 relative to SET2. "HIGH HUMIDIY ALARM" setting the AH1 relative to SET2.

Humidity alarm delay "AH7" in minutes

POWER FAILURE - rtc Clock failure

It is signaled after a power failure longer than "A10" in minutes

DOOR OPEN ALARM

It occurs when the digital input is set as "ic1=7/8/9" is active after the "i2" delay in minutes. With "iP1=0" active when contact closed, "iP1=1" active when contact is open. Setting "i2=-1" the alarm is disabled, and "i2=0" the alarm starts when the door is open

MULTIFUNCTION ALARM

It occurs when the digital input is set as "iC1=2" is active. With "iP1=0" active when contact closed, "iP1=1" active when contact is open.

Regulation is not modified. THERMAL SWITCH 1 ALARM

It occurs when the digital input is set as "iC1=5" is active. With "iP1=0" active when contact closed, "iP1=1" active when contact is open. The regulation is sus pended and restarts when the alarm disappears. Starting from the very first event, the unit counts the alarm events "i8" during the "i7" interval. When the number of event is reached the alarm must be manually reset. With "i8=0 the alarm is always automatic, with "i8=1" the alarm is always manual.

PRESSURE SWITCH ALARM

It occurs when the digital input is set as "iC3=1" is active. With "iP3=0" active when contact closed, "iP1=3" active when contact is open. The regulation is suspended and restarts when the alarm disappears. Starting from the very first event, the unit counts the alarm events "i8" during the "i6" interval. When the number of event is reached the alarm must be manually reset. With "i8=0 the alarm is always automatic, with "i8=1" the alarm is always manual.

CONDENSER OVERHEATED

Setting the condenser probe "Pr3=1" and the temperature threshold C6 the unit shows the condenser alarm as soon as the temperature rises above "C6"

COMPRESSOR BLOCKED (for high condensing)

Setting the condenser probe "Pr3=1" and the temperature threshold "C7" the unit shows the condenser alarm when the temperature rises above "C7" for the time "C8". Compressor regulation is locked. Manual reset is necessary by turning off and the on the unit. Be aware that by using the Off_key a running cycle is stopped.

24. EVCONNECT EVLINK

Communication functions cannot work tougher: the presence of embedded or remote EVLINK (eg EVIF25TBX) prevents the user to connect a RS485 serial interface EVIF22TSX o EVIF23TSX and vice versa. Parameters involved:

HrO enables the rtc O=no 1=Yes. Connecting an EVLINK "HrO=1" is automatically enabled and the "rtc" alarm appears if the EVLINK is removed. Inserting EVIF23TSX the Hr0 parameter must be manually set. BLE= EVLINK presence. The serial interface EVIF22/23TSX modules operates if

BLE=0 but the BLE and the data logging are suspended.

rEt = Local or remote transmission. With EVIF25TBX its value is always rEt=0. PA1 = 824 service password access from EVCONNECT APP.

PA2= 642 user password access from EVCONNECT APP

25. LOCAL PARAMETER PASSWORD

To access the parameters with local password via keyboard:

PAS=-19 service password for all the parameter PS1 = 1 password to access level 1 parameter.

26. TECHNICAL DATA

Purpose of the control device:

Clock drift:

Clock battery autonomy in blackout:

Construction of the controller device

)	Case:	Plastic Self estinguish or Open frame.
	Category of heat and fire resistance:	D.
	Dimensions:	
	Plasti 111,4 x 76,4 x 48,0 mm (4 3/8 x 3 x 1 15/16in)	open frame 101.0 x 67.0x47mm (4 x 2 5/8 x1 7/8)
	Mounting methods:	panel with elastic mounting flaps or backpanel with double stick tape

function controller.

buil-in electronic device

Front Panel degree of protection	IP65			
Connections:				
screw connector for wires up to 2,5 mm ² .	Removable to quest 2,5 mm	erminals	by re-	TTL Picoblade.

screw connector for wires up to 2,5 mm ² .	Removable terminals by request 2,5 mm ² ;		TTL Picoblade.	
Maximum lenght for connection	n cable:			
power supply: 10 m (32,8 ft)		analog inputs: 10 m (32,8 ft)		
digita inputs: 10 m (32,8 ft)		digital outputs: 10 m (32,8 ft).		
Operating temperature:		-5 55 °C (da 32 a 131 °F).		
Storage temperature:	Storage temperature:		from -10 to 70 °C (da -13 a 158 °F).	

Operating temperature:	-5 55 °C (da 32 a 131 °F).
Storage temperature:	from -10 to 70 °C (da -13 a 158 °F)
Operating humidity:	from 10 to 90 % not condensing.
Pollution status of the control device:	2.

Conformity: WFFF 2012/19/FU RoHS 2011/65/CE RFACH (CE) n. 1907/2006 EN 60730-1 IEC 60730-1

Power supply:	12vac/dc (±10%), 5	0/60Hz(±3 Hz), 10 VA max
Earthing methos for the control device		None.
rated impulse-withstand voltage:		4 KV.
Over-voltage category:		III
Sftware class structure:		A.
Real time clock:		Incorporated secondary lithium battery

≤ 60 s/month a 25 °C (77 °F).

6 months 25 °C (77 °F)

Clock battery charging time:		24 h (supplied from the device).	
Analogue inputs:		2 for PTC or NTC sensor (cabinet and auxiliary probe*). 1 humidity Evco probe EVHTP500	
Digital inputs:		1 configurable	
Other inputs: * configurable		auxiliary probe or pressure switch.	
Digital output:	6 a relè elettr	romeccanico configurati per default:	
(K1) Compressor:	•	SPST 30 A res. @ 250 VAC	
(K2) Heating:		SPDT 8 A res. @ 250 VAC;	
(K3) Light:		SPST 16A res. @ 250 VAC	
(K4) Huidify:		SPST 8 A res. @ 250 VAC;	
(K5) Evaporator fan		SPST 5 A res. @ 250 VAC;	
(K6) defrost		SPDT 8 A res. @ 250 VAC;	
Type1 or type 2 action		Type 1.	
Additiona fetures for Type1 or type 2 action		C.	
Display:		TFT 2,8 inches, 16 colours, 320 x 240 pixel.	
Buzzer:		on board.	
Communication port:		TTL picoblade for parameter key or RS485 MODBUS converter (alternative to BLE)	

27. PARAMETERS KEY

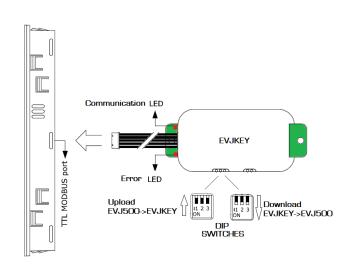
Using the EVJKEY kev follow these sten

UPLOAD from REGULATOR to EVJKEY: insert the cable to TTL and the EVJKEY dip-switches 1-2-3 set to OFF DOWNLOAD from EVJKEY to REGULATOR: insert the cable to TTL and the

EVJKEY dip-switches 1-2-3 set to ON Insert the EEVJKEY into the Picoblade connector, fore some secondes the two

leds blink together, the during the data transfer the "communication led" is blinking: DATA TRANSFER OK "communication led" is on

DATA TRANSFER OK "error led" is on



28. SEASONING MAPS

Entering the MENU (2"), all the 6 programs are preloaded with the same parameters eters as shown in the following table

					Dry	ing			
		Drip- ping	Dry 1	Dry 2	Dry 3	Dry 4	Dry 5	Dry 6	Sea so- nin g
-	Duration	10 ore	15 ore	24 ore	24 ore	24 ore	24 ore	24 ore	1 gior no
	Set 1	20 C	19 C	19 C	18 C	17 C	16 C	15 C	14 C
-	Set 2	0 %	75%	68%	65%	68%	72%	76%	82 %
-	Low speed fan	no	no	no	no	no	no	no	no
	Rest	no	yes	yes	yes	yes	yes	yes	no
-	Defrost	man	man	man	man	man	man	man	man
	Air change	man	man	man	man	man	man	man	man

Man= manual by the AUX key. 0%= the humidity is not controlled

RUN - REST and AIR CHANGE DEFAULT VALURE

3 hours Rest: 30 minut all the processes Air control: Air interval: Air change: 10 minuti 0 hours

Function management

To disable a phase/process set the duration to 0

Core temperature SET is only for display

By default it is $\boldsymbol{enabled}$ the setpoint and timer change function during the cycle with P31=1. With P31=0 the SET and the timer can just be viewed

A setpoint value changed during the active cycle can be saved into the active program phase/process if P32=1. Default disabled P32=0.

29. PARAMETERS

AIR CHANGE AND RUN-REST PARAMETERS Run: 5 Hours Rest: 10 minutes

All processes Air Control: Air interval: Air change: 10 minutes 0 hours

LEVEL 1 PARAMETERS password PS1

CA1 0.0 Probe 1 calibration CA2 0.0 Probe 2 calibration rO 2.0 Heating differential Cooling differential -2.0 r12 rd0 De-humidify differential 3.0 rh0 -3.0 Humidify differential d0 0 hours defrost interval d2 End defrost temperature d3 Defrost duration Light key configuration in stand-by PLi 1

LL P					
Ũ≣	N.	PAR.	DEF.	SETPOINT	MIN MAX. (°c)
	$\vdash \vdash$	SET SET2	nv nv	depending on process depending on process	r1r2 h1h2
	N.	PAR.	DEF.	ANALOG INPUTS	MIN MAX.
	1	CA1	0	Ambient probe offset	-25+25 ° C/F
	2	CA2	0	Humidity Probe Offset	-25+25 %rH
	3	P0	0	Auxiliary Probe Offset	-25+25 °C/F
	5	P0	1	Probe Type Enable °C Decimal Point	0=ptc 1=ntc 0=no 1=yes
	H			Temperature Unit Of Measu-	0 = Celsius
D .	7	P2 Pr3	0	Probe 3 configuration	1 = Fahrenheit 0 = Digital input 1 = Condenser Probe 2 = Core Probe 3 = External Air 4 = Auxiliary Probe 5 = Defrost 2 Probe
	8	P5	1	Value Displayed (left side) Setting to 0 the display is off.	0 = None 1 = Input 1 2 = Input 2 3 = Input 3
	9	P6	2	Value Displayed 2 (right side). Setting to 0 the display is off	4 = Setpoint 1 5 = Setpoint 2
	10	P8	5	Display Refresh Time to increase/decrease a digit.	0255 s
	11	Р9	5	Display 2 Refresh Time to in- crease/decrease a digit.	0255 1/10 sec s
	12	P31	1	Enable Runtime Set Change	0=no 1=YES
	13	P32	0	Enable P31 Change Memory. Available only for tempera- ture and humidity setpoints	0=no 1=YES
	N.	PAR.	DEF.	TEMPERATURE Setpoint cooling Differential	MIN MAX.
	14	r0	2	Setpoint cooling Differential. (SET+r0) (SET+r11+r0 if neutral zone)	0,115 °C/F
	15	r1	0.0	Minimum Setpoint Temp	-30 r2 °C/F
	16 17	r2 r4	0.0	Maximum Setpoint Temp Setpoint Offset in Energy Saving	r1 +99 °C/F 099 °C/F
	18	r11	0.0	Neutral Zone Value. With r11>0 the value is active for heating or cooling. With r11<0 the value is active only for heating function.	010 ° C/F
	19	r12	-2.0	Setpoint Heating Differential (SET-r12) (SET-r11-r12 if neutral zone). Heating Duty Cycle. "r13=60"	-250,1 ° C/F
	20	r13 r14	2	= always on, 0= Off. Temperature Priority control: if >0 the unit stops de- humidify (with compressor)	060" s 0 = Disabled 1 = Heating 2 = Heat/Cool
- 4	N.	PAR.	DEF.	to adjust temperature first. HUMIDITY	3 = Cooling MIN MAX.
*	22	h1	10	Minimum setpoint 2	0h2 %rH
	23	h2	95	Maximum setpoint 2	h1100 %rH
	N.	PAR.	DEF.	HUMIDIFY	MIN MAX.
	24	rd0	3	De-Humidity differential. (SET2+rd0) (SET2+rd1+rd0 if neutral Zone)	125 %rH
	25	rd1	0	De-Humidify Neutral Zone	010 %rH
	26	rd2	60	Fan On Time in De_humidify. 0= fan off.	0240 " s
	27	rd3	0	Fan Off Time In De-Humidify. 0=normal function.	0240 " s
	\vdash				
	28	rd4	1	De-Humidify with Compressor or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent.	0 = Disabled 1 = Compressor 1 2 = Compressor and Heat
	28	rd4 rd5	0	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating	1 = Compressor 1 2 = Compressor and
				or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De-	1 = Compressor 1 2 = Compressor and Heat
	29	rd5	0	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating output is available. DE HUMI DI FY Humidify Differential (SET2-rh0) (SET2-rh1-rh0 if neutral	1 = Compressor 1 2 = Compressor and Heat 0=no 1=Yes
	29 N.	rd5 PAR.	O DEF.	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating output is available. DE HUMI DI FY Humidify Differential (SET2-rh0)	1 = Compressor 1 2 = Compressor and Heat 0=no 1=Yes
	29 N.	rd5 PAR. rh0	0 DEF.	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating output is available. DE HUMI DI FY Humidify Differential (SET2-rh0) (SET2-rh1-rh0 if neutral zone)	1 = Compressor 1 2 = Compressor and Heat 0=no 1=Yes MIN MAX.
	29 N. 30	rd5 PAR. rh0 rh1	0 DEF.	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating output is available. DE HUMI DI FY Humidify Differential (SET2-rh0) (SET2-rh1-rh0 if neutral zone) Humidify Neutral Zone Humidify Output On Time (or Fan if no rH output config- ured). 0= Humidify output	1 = Compressor 1 2 = Compressor and Heat 0=no 1=Yes MIN MAX. -251 %rH 010 % %rH
	29 N. 30 31 32	rd5 PAR. rh0 rh1 rh2	0 DEF3	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating output is available. DE HUMI DI FY Humidify Differential (SET2-rh0) (SET2-rh1-rh0 if neutral zone) Humidify Neutral Zone Humidify Output On Time (or Fan if no rH output config- ured). 0= Humidify output off. Humidify Output Off Time (or Fan if no rH output config- ured). 0= Humidify output config- ured). 0= Humidify output normal. COMPRESSOR	1 = Compressor 1 2 = Compressor and Heat 0 = no 1 = Yes MIN MAX. -251 %rH 010 % %rH 0240 " s
	29 N. 30 31 32 33	rd5 PAR. rh0 rh1 rh2 rh3	0 DEF3 0 60	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating output is available. DE HUMI DI FY Humidify Differential (SET2-rh0) (SET2-rh1-rh0 if neutral zone) Humidify Neutral Zone Humidify Output On Time (or Fan if no rH output config- ured). 0= Humidify output off. Humidify Output Off Time (or Fan if no rH output config- ured). 0= Humidify output config- ured). 0= Humidify output normal.	1 = Compressor 1 2 = Compressor and Heat 0 = no 1 = Yes MIN MAX. -251 %rH 010 % %rH 0240 " s
	29 N. 30 31 32 33 N.	rd5 PAR. rh0 rh1 rh2 rh3 PAR.	0 DEF3 0 60 DEF.	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating output is available. DE HUMI DI FY Humidify Differential (SET2-rh0) (SET2-rh1-rh0 if neutral zone) Humidify Neutral Zone Humidify Output On Time (or Fan if no rH output config- ured). 0= Humidify output off. Humidify Output Off Time (or Fan if no rH output config- ured). 0= Humidify output off. COMPRESSOR Compressor ON Delay After Power-on Compressor OFF Minimum	1 = Compressor 1 2 = Compressor and Heat 0 = no 1 = Yes MI N MAX. -251 %rH 010 % %rH 0240 " s
	29 N. 30 31 32 33 N. 34	rd5 PAR. rh0 rh1 rh2 rh3 PAR. C0	0 DEF3 0 60 0 DEF. 0	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating output is available. DE HUMI DI FY Humidify Differential (SET2-rh0) (SET2-rh1-rh0 if neutral zone) Humidify Neutral Zone Humidify Output On Time (or Fan if no rh output config- ured). 0= Humidify output off. Humidify Output Off Time (or Fan if no rh output config- ured). 0= Humidify output off. COMPRESSOR Compressor ON Delay After Power-on Compressor OFF Minimum Time Compressor ON Minimum	1 = Compressor 1 2 = Compressor and Heat 0 = no 1 = Yes MI N MAX. -251 %rH 010 % %rH 0240 " s MI N MAX. 0240 min
	29 N. 30 31 32 33 N. 34 35	rd5 PAR. rh0 rh1 rh2 rh3 PAR. C0	0 DEF3 0 60 0 DEF. 0 3	or compressor and heater. 0= temperature and de- humidity outputs are inde- pendent. Heating and de-Humidify functions executed with De- frost output if no heating output is available. DE HUMI DI FY Humidify Differential (SET2-rh0) (SET2-rh1-rh0 if neutral zone) Humidify Neutral Zone Humidify Output On Time (or Fan if no rH output config- ured). 0= Humidify output off. Humidify Output Off Time (or Fan if no rH output config- ured). 0= Humidify output normal. COMPRESSOR Compressor ON Delay After Power-on Compressor OFF Minimum Time	1 = Compressor 1 2 = Compressor and Heat 0 = no 1 = Yes MI N MAX. -251 %rH 010 % %rH 0240 " s MI N MAX. 0240 min 0240 min

	39	C6	80	Threshold for High Condensa- tion Warning	0199 ° C/F
	40	C7	90	Threshold for High Condensa- tion Alarm	0199 ° C/F
	41	C8	0	Compressor Shutdown Alarm	015 min
	42	C10	0	Delay for high condensing. Compressor run time for Ser-	gg
	43	C11	10	vice Compressor 2 On Delay after	0240 "
	N.	PAR.	DEF.	Compressor 1 DEFROST	MIN MAX.
	44	dO	0	Defrost interval time	099 min
	45	d1	0	Type of Defrost	0 = Electric 1 = Hot gas
	46	d2	8	Threshold for Defrost End	2 = Compressor Stop -99+99 ° C/F
	47	d3	15	Defrost Duration	099 min
	48	d4	o	Enable Defrost at Power-on	0=no 1=poweron 2= post overcooling 3= poweron and post
•,	49	d5	0	Defract Delay ofter Dayor on	overcooling 099 min
	49	us		Defrost Delay after Power-on	0 = Regulation Value
	50	d6	0	Value Displayed during De- frost	1 = Display Locked 2 = reserved
	51	d7	0	Dripping Time	015 min
	52	d11	0	Enable Defrost Time-Out Alarm	0=NO 1=YES
	53	d13	0	Defrost and Rest Synchroni- zed	0=NO 1=YES
	54	d15	0	Compressor ON Consecutive Time for Hot Gas Defrost	099 min
	N.	PAR.	DEF.	ALARMS	MIN MAX.
	55	A1	0.0	Threshold for Low Tempera- ture Alarm	-99+99 ° ° C/F
	56	A2	2	Low Temperature Alarm Type	0 = Disabled 1 = Relative to Setpoint 2 = Absolute
	57	A4	50.0	Threshold for High Tempera- ture Alarm	-99+99 ° C/F
	58	A 5	2	HighTemperature Alarm Type	0 = Disabled 1 = Relative to Setpoint 2 = Absolute
	59	A6	120	High Temperature Alarm De- lay after Power-on	0240 min
	60	A7	15	Temperature alarm delay	0240 min
-	61	A8	15	High Temperature Alarm De- lay After Defrost	0240 min
	62	Α9	15	High Temperature Alarm De- lay after Door Closing	0240 min
	63	A10	15	Power Failure Duration for PF Alarm Recording	0240 min
	64	A11	1.0	High/Low Temperature Alarm Reset Differential	0,115 ° C/F
	65	AH1	50	Low Humidity Alarm relative	0100 %rH
	66	AH4	50	to SET2 High Humidity Alarm relative	0100 %rH
	67	AH7	30	to SET2 Humidity Alarm Delay and	0240 min
	N.	PAR.	DEF.	sensor error. EVAPORATOR FAN	MIN MAX.
	68	FO	1	Evaporator Fan Mode during Normal Operation. With F0=0 parameters F11-F12, rd2-rd3, rh2-rh3 can enable a fan cycling regulation. For safety reason (use of heating elements and cycles) check the fan control chapter.	1 = ON (default) 2 = ON if Compressor ON 3 = Thermoregulated (with F1 relative to Regulation Temper- ature) 4 = Thermoregulated if Compressor ON (with F1 relative to Regulation Temper- ature)
	69		99.0	Threshold for Evaporator Fan Operation with F0=3 or 4. The fan starts under F1 and stops at "F1+F8".	-99+99 °C/F
		F1			0 = OFF
	70	F2	0	Evaporator Fan Mode during Defrost	1 = ON 2 = According to FO
	70		0	Defrost Evaporator Fan OFF Maximum Time after Dripping	
Ş		F2		Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint)	2 = According to F0
Ş	71	F2 F3	0	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to	2 = According to F0 015 min
Ç)	71	F2 F3 F7	99.0	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differen-	2 = According to F0 015 min -99+99 ° C/F
§)	71 72 73	F2 F3 F7	0 99.0 2.0	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay af-	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F
Ş	71 72 73 74	F2 F3 F7 F8 F9	0 99.0 2.0 5	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regula-	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s
§)	71 72 73 74 75 76 N.	F2 F3 F7 F8 F9 F11 F12 PAR.	0 99.0 2.0 5 60 0 DEF.	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX.
9	71 72 73 74 75 76 N. 77	F2 F3 F7 F8 F9 F11 F12 PAR. F30	0 99.0 2.0 5 60 0 DEF.	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=n0 1=yes
9	71 72 73 74 75 76 N.	F2 F3 F7 F8 F9 F11 F12 PAR.	0 99.0 2.0 5 60 0 DEF.	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX.
9	71 72 73 74 75 76 N. 77 78 79	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33	0 99.0 2.0 5 60 0 DEF. 0	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour Air Change Hour	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h
§	71 72 73 74 75 76 N. 77	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32	0 99.0 2.0 5 60 0 DEF. 0	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h
	71 72 73 74 75 76 N. 77 78 79 80 81 82 83	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36	0 99.0 2.0 5 60 0 DEF. 0	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h 024 h 024 h 024 h 024 h
3	71 72 73 74 75 76 N. 77 78 79 80 81 82	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35	0 99.0 2.0 5 60 0 DEF. 0	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with FO=0. Fan Off Time with no Regulation. To be used with FO=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h 024 h 024 h
	71 72 73 74 75 76 N. 77 78 79 80 81 82 83 N.	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR.	0 99.0 2.0 5 60 0 DEF. 0	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s 0240 " s MI N MAX. 0=no 1=yes 024 h
3)	71 72 73 74 75 76 N. 77 78 79 80 81 82 83 N. 84 85 86	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2 Fc3	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0 5	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour CONDENSER FAN Threshold for Condenser Fan ON Condenser Fan Differential Condenser Fan Off delay	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 027 h 028 h 029 h 029 h 029 h 020 h
3 0	71 72 73 74 75 76 N. 77 78 80 81 82 83 N. 84	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour CONDENSER FAN Threshold for Condenser Fan ON Condenser Fan Differential	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 025 h MIN MAX. 0.99 ° C/F 0,115 ° C/F
	71 72 73 74 75 76 N. 77 78 79 80 81 82 83 N. 84 85 86 N.	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2 Fc3 PAR.	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0 5 DEF.	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour CONDENSER FAN Threshold for Condenser Fan ON Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay1=disabled 0= immediate	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 025 h MIN MAX. 0.99 ° C/F 0,115 ° C/F 0240 " s MIN MAX.
3)	71 72 73 74 75 76 N. 77 78 79 80 81 82 83 N. 84 85 86 N.	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2 Fc3 PAR. i1	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0 5 DEF. 0	Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour CONDENSER FAN Threshold for Condenser Fan ON Condenser Fan Differential Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay1=disabled 0= immediate Cooling Inhibition Max Time with Open Door -1=disabled 0= immediate without re-	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h 024 h 024 h 024 h 024 h 024 c 024
5)	71 72 73 74 75 76 N. 77 78 79 80 81 82 83 N. 84 85 86 N. 87	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2 Fc3 PAR. i1 i2	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0 5 DEF. 0 15	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour CONDENSER FAN Threshold for Condenser Fan ON Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay1 = disabled 0 = immediate Cooling Inhibition Max Time with Open Door -1 = disabled 0 = immediate without restarting. Multi-purpose Input Alarm	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h 024 h 024 h 024 h 024 c 024 c MIN MAX. 0-99 ° C/F 0,115 ° C/F 0.240 " s MIN MAX. 099 ° C/F 0,115 ° C/F 0240 min -1120 min
(d)	71 72 73 74 75 76 N. 77 78 79 80 81 82 83 N. 84 85 86 N. 87 88	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2 Fc3 PAR. i1 i2	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0 5 DEF. 0 15	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour CONDENSER FAN Threshold for Condenser Fan ON Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay. -1 = disabled 0 = immediate Cooling Inhibition Max Time with Open Door -1 = disabled 0 = immediate without restarting.	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h 024 h 024 h 024 h MIN MAX. 099 ° C/F 0,115 ° C/F 0,2.40 " s MIN MAX. 090 ° C/F 0,115 ° C/F 0240 " s MIN MAX. 0240 min -1120 min
(d)	71 72 73 74 75 76 N. 77 78 79 80 81 82 83 N. 84 85 86 N. 87 88	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2 Fc3 PAR. i1 i2 i3	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0 5 DEF. 0 15	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with FO=0. Fan Off Time with no Regulation. To be used with FO=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour Air Change Hour District Condenser Fan ON Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay. -1 = disabled 0 = immediate Cooling Inhibition Max Time with Open Door -1 = disabled 0 = immediate without restarting. Multi-purpose Input Alarm Delay High Pressure Events Counting Interval	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h 024 h 024 h 024 h 024 h 124 h 126 h 126 h 127 h 120 min -1120 min 0120 min
(d)	71 72 73 74 75 76 N. 77 78 79 80 81 82 83 N. 84 85 86 N. 87 88	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2 Fc3 PAR. i1 i2	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0 5 DEF. 0 15	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour Air Change Hour Air Change Hour Air Change Hour Air Change Hour CONDENSER FAN Threshold for Condenser Fan ON Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay1-disabled 0= immediate Cooling Inhibition Max Time with Open Door -1-disabled 0= immediate without restarting. Multi-purpose Input Alarm Delay High Pressure Events Count-	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h 024 h 024 h 024 h MIN MAX. 099 ° C/F 0,115 ° C/F 0,2.40 " s MIN MAX. 090 ° C/F 0,115 ° C/F 0240 " s MIN MAX. 0240 min -1120 min
(d)	71 72 73 74 75 76 N. 77 78 79 80 81 82 83 N. 84 85 86 N. 87 88	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2 Fc3 PAR. i1 i2 i3	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0 5 DEF. 0 15	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour ON CONDENSER FAN Threshold for Condenser Fan ON Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay1=disabled 0= immediate Cooling Inhibition Max Time with Open Door -1=disabled 0= immediate without restarting. Multi-purpose Input Alarm Delay High Pressure Events Counting Interval Multi-purpose Input Alarm	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s MIN MAX. 0=no 1=yes 024 h 024 h 024 h 024 h 024 h 024 h 124 h 126 h 126 h 127 h 120 min -1120 min 0120 min
Id	71 72 73 74 75 76 N. 77 78 80 81 82 83 N. 84 85 86 N. 87 88 89 90 91	F2 F3 F7 F8 F9 F11 F12 PAR. F30 F31 F32 F33 F34 F35 F36 PAR. Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7	0 99.0 2.0 5 60 0 DEF. 0 DEF. 25 5.0 5 DEF. 0 15	Defrost Evaporator Fan OFF Maximum Time after Dripping Threshold for Evaporator Fan ON after Dripping (relative to Setpoint) Evaporator Setpoint Differential Evaporator Fan OFF Delay after Compressor OFF Fan On Time with no regulation. To be used with F0=0. Fan Off Time with no regulation. To be used with F0=0. Fan Off Time with no Regulation. To be used with F0=0. AIR CHANGE FAN Evap Fan For Air Change Air Change Hour Air Change Hour Air Change Hour Air Change Hour Condenser Fan Differential Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay1=disabled 0= immediate Cooling Inhibition Max Time with Open Door -1=disabled 0= immediate without restarting. Multi-purpose Input Alarm Delay High Pressure Events Counting Interval Multi-purpose Input Alarm Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0= always automatic,	2 = According to F0 015 min -99+99 ° C/F 0,115 ° C/F 0240 " s 0240 " s 0240 " s MI N MAX. 0=no 1=yes 024 h 024 h 024 h 024 h 024 h MI N MAX. 099 ° C/F 0,115 ° C/F 0240 " s MI N MAX. 090 ° C/F 0.115 ° C/F 0240 " s MI N MAX. 0240 min -1120 min 0120 min 0120 min

					tion. The manual control is operated via AUX key.	1= Cooling 2= manual
90		95	u7	0.0		-99+99 ° C/F
N. PAR. DEF. DIG IN CONFIGURATION MIN MAX.		96	u8	1.0	Auxiliary differential for "u7"	0,115 ° C/F
1- Multi-purpose Input Function, 2- reserved 3 = 2 reserved 4 = 5 fand-by 5 = 1 faming with 2 = 7 compressor 1 family for switch: 7,8 or 9.		N.	PAR.	DEF.		MIN MAX.
99	Id	97	iC1	7		1= Multifunction alarm 2= reserved 3= = reserved 4 = Stand-by 5 = Thermal Switch 1 5 = Thermal Switch 1 7 = Compressor + Evaporator Fan OFF, Light ON 8 = Evaporator Fan OFF, Light ON 9 = Compressor + Evaporator Fan OFF,
100 1P3 0 Multi-purpose Input 3 Activation. O = Incition active for contact closed.	×	98	iP1	0	tion. 0= function active for	0=closed 1=open
N. PAR. DEF. USCITE DIGITAL MIN MAX.	, ,	99	iC3	0		0= disabled 1= high pressure switch
101		100	iP3	0	tion. 0= function active for	0=closed 1=open
101 uc1		N.	PAR.	DEF.	USCITE DIGITALI	
102 uc2 5 K2 Output Configuration (H) 103 uc3 9 K3 Output Configuration (L) 104 uc4 1 K4 Output Configuration (L) 105 uc5 11 K5 Output Configuration (F) 106 uc6 12 K6 Output Configuration (EF) 106 uc6 12 K6 Output Configuration (EF) 107 POF 1 Enable ON/Stand-by Key 1 Seeprost 13 = Reserved 108 PLI 1 Light button in stand-by 0 = no 1 = yes 109 PSr 1 Disable Alarm Output by Silencing the Buzzer Function 110 Pbu 2 Enable key and Buzzer Function 110 Pbu 2 Enable key and Buzzer Function 111 PAS -19 Password all parameters 2.99999 112 PS1 1 Level 1 service 2.99999 113 PA1 426 Evlink user password 2.99999 114 PS2 B24 Evlink service password 2.99999 115 Hr0 0/1 1 = for models provided with 7 to enable modulus communication via EVIF22/31TSX modules set to "0". 116 BLE 1 1 = Fall Condition 1 = silencing the modulus communication via EVIF22/31TSX modules set to "0". 117 rE0 15 Recording interval 0.24 h 1 = silencing the MIN MAX. 118 rE1 4 Recording interval 0.24 h 1 = silencing the MIN MAX. 119 Hd1 1 st Daily Defrost Time 0.24 h 1 = 24 Hd3 1 3 d Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 5 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 5 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 5 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 4 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 5 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 6 th Daily Defrost Time 0.24 h 1 = 24 Hd6 1 6 th Daily Defrost Time 0.090 min 1 = 20 Hd6 1 6 th Daily Defrost Time 0.090 min 1 = 2		101	uc1	4	K1 Output Configuration (C)	1 = Humidity
103		102	uc2	5	K2 Output Configuration (Ht)	4 = Compressor 1
104						6 = Condenser Fans 7 = ON / STAND-BY
105 11						9 = Light 10 = Compressor 2
N. PAR. DEF. TOUCH KEYS MIN MAX.			uc5			12 = Defrost 13 = Reserved
N. PAR. DEF. TOUCH KEYS MIN MAX.		106	uc6	12		·
108 PLi 1 Light button in stand-by 0 = no 1 = yes		N.	PAR.	DEF.	TOUCH KEYS	
109		H-1				
10		\vdash		1		0 = no 1 = yes
N. PAR. DEF. SICUREZZE MIN MAX.	€*				lencing the Buzzer	0 = no
111						2 = alarm and keys
113		111	PAS	-19	Password all parameters	
114		112	PS1	1	Level 1 service	-99 999
N. PAR. DEF. OROLOGIO MIN MAX.	•	113	PA1	426	Evlink user password	-99 999
N. PAR. DEF. REAL TIME DEFROST Hr0=1 Hd1 1st Daily Defrost Time 1.24 Hd3 3d Daily Defrost Time 1.24 Hd6 6th Daily Defrost Time 1.24 MoDBUS Baud Rate if BLE=0 Defnome 1.240 De		114		824	Evlink service password	-99 999
N. PAR. DEF. REAL TIME DEFROST Hroeld Hro		N.	PAR.	DEF.		MIN MAX.
### 116 BLE ### 1	(115	Hr0	0 / 1	1= for models provided with	0 = no 1 = yes
116 BLE 1 Ing LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0". 117 rEO 15 Recording interval 0240 min 0 = none 1 = probe 1; 2 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 1 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2 = probe 2; 5 = a 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2; 5 = a 2 = probe 2; 5 = a 2 = probe 2; 5 = a 2 = probe 3; 4 = probe 2; 5 = a 2 = probe 3; 4 = probe 2; 5 = a 2 = probe 3; 4 = probe 2; 5 = a 2 = probe 3; 4 = probe 2; 5 = a 2 = probe 3; 4 = probe		N.	PAR.	DEF.	DATALOGGER	MIN MAX.
N. PAR. DEF. At Defrost Time Deffost Ti		116	BLE	1	ing LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX	
118 rE1 4 Select Probes for Data-logger Recording 1=probe 1; 2= probe 3; 4= probe 3; 1=probe 3; 4= probe 1; probes 3; 4= probe 2; probes 4; probes 5; probes 4; probes 4; probes 4; probes 5; probes 4; probes 5; probes 4; probes 5; probes 6; probes 6		117	rE0	15	Recording interval	
N. PAR. DEF. Hr0=1		118	rE1	4		1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all
119 Hd1 1st Daily Defrost Time 024 h 120 Hd2 2nd Daily Defrost Time 024 h 121 Hd3 3d Daily Defrost Time 024 h 122 Hd4 4th Daily Defrost Time 024 h 123 Hd5 5th Daily Defrost Time 024 h 124 Hd6 6th Daily Defrost Time 024 h N. PAR. DEF. MODBUS MIN MAX. 129 LA 247 MODBUS address if BLE=0 1 247 126 Lb 3 MODBUS Baud Rate if BLE=0. 0= 2400; 1= 4800 2= 9600; 3= 19200 127 LP 2 Modbus Parity if BLE=0. 0= None; 1= Odd; 2 Even N. PAR. DEF. ENERGY SAVING MIN MAX. 128 HE2 0 Energy Saving Max Duration in manual mode 129 H01 0 Energy Saving Start Time 023h		N.	PAR.	DEF.		MIN MAX.
121		119	Hd1			024 h
122		120	Hd2		2nd Daily Defrost Time	024 h
123	O .	\vdash			-	
124	•	\vdash		+	-	
N. PAR. DEF. MODBUS MIN MAX.		\vdash			-	
129					-	
126		\vdash		_		
N. PAR. DEF. ENERGY SAVING MIN MAX. 128 HE2 0 Energy Saving Max Duration in manual mode 0990 min 129 H01 0 Energy Saving Start Time with rtc Hr0=1 023h	RS485	126		3		2= 9600; 3= 19200
128 HE2 0 Energy Saving Max Duration o990 min in manual mode 129 H01 0 Energy Saving Start Time with rtc Hr0=1 023h		127	LP	2	Modbus Parity if BLE=0.	
in manual mode 129 H01 0 Energy Saving Start Time with rtc Hr0=1 023h		N.	PAR.	DEF.		MIN MAX.
129 H01 0 Energy Saving Start Time 023h		128	HE2	0		0990 min
With rtc HrU=1					Energy Saving Start Time	023h
	*	129	H01	0	Lucitle eta LleO 1	

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ATTENZIONE Il dispositivo deve essere smaltito secondo le normative locali in merito alla raccolta delle apparecchiature elettriche ed elettroniche.

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