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





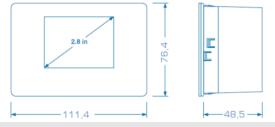


### **ENGLISH**

- Temperature and humidity controller
- Suitable for Humidity and temperature EVCO EVHTP500 probe;
- 12Vac/dc power supply
- Option Real time clock RTC and memory for data logging and BLE for communication with APP EVconnect (Android).
- Door switch or configurable digital input
- 6 configurable relay outputs, 16 or 30 A res. @ 250 VAC compressor relay
- Alarm Buzzer
  - TTL communication port for optional RS485 and RTC external interface or EVLINK / BLE (Cap. First Handling).

### DIMENSION AND INSTALLING

Dimensions in 11,4 x 76,4 x4 8,5mm (4 1/4 x 2 7/8 in); Front Panel mounting,



### INSTALLATION PRECAUTIONS

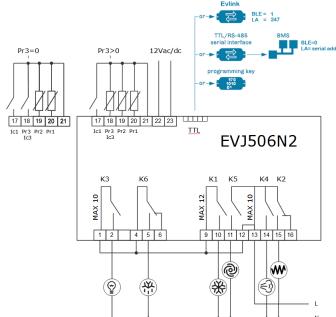
- The thickness of the panel must be between 0.8 and 2.0 mm (1/32 and 1/16 in)
- Ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFI-CATIONS section.
- Do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct 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

### 3. ELECTRICAL CONNECTION

BF AWARE



Use TVHTP500 probe, the unit does no support 4..20mA o 0.10V humidity probes.



# Default values

- K1 = 30A or 16= compressor
- k2 = 8A = HeatingK3 = 16A = Light
- K4 = 8A= Humidify K5 = 5A= Evaporator Fan K6 = 8A= Defrost

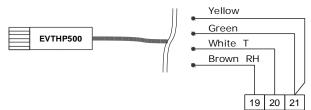
Humidity EVCO probe EVHTP500

Evaporator / Configurable / Digital input

Door switch or configurable

EVCO transformer model ECTSFB001 230V/12vac 5,6VA (non included)

# **EVHTP500 PROBE CONNECTION**



# PRECAUTIONS FOR ELECTRICAL CONNECTION

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

- Install following the instructions given in the section DIMENSION AND IN-STALLING
- Power up the device as shown in the section  $\it ELECTRICAL$  CONNECTION.
- Configure the device output with relay parameters uc1..uc6, input param eters Pr2 Pr3 e ic1 and uc3;
- Then check if the remaining settings are appropriate:
- Disconnect the device from the mains supply.
- 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, 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. Then it turns to black for energy

# 5. USER INTERFACE AND MAIN KEY FUNCTIONS



LED	ON	OFF	BLINKING
*	Cooling request De-humidify request	compressor Off	- Protection delay time
*	Defrost	-	- Defrost delay time - Dripping
@	Evaporator fans on	Evaporator fan off	Evaporator fan delay time
€}}	Humidify request Humidify relay		
<b>®</b> <\} O	De-Humidify request de-Humidify relay		Delay when de-humidify with compressor.
₩	Heating request Heating relay De-Humidify request Compressor+heating		
HACCP	HACCP Alarm loggged	-	New alarm logged
<b>Ø</b>	Energy saving	-	-
×	Maintenance	-	Collegamento remoto
C/F/ %	Unit of measurement	-	
AUX	Auxiliary function Auxiliary relay	Auxiliary not active	
$\bigcirc$	Light on by key	Light off	Light on by door open
$\triangle$			Active alarm
€	Probe value above the or under the sepoint.		
0/1	Keyboard status		
	Open Door	Door closed	
$\overline{Q}$	Running Cycle	No cycle running	Cycle in stand-by, another function is running.

To change the unit between degrees C and F it is required to re-program the temperature parameters.

# 6. KEY COMMANDS

Key command functions can be direct or delayed

LED	Direct	Delayed: press 2 seconds
MENU		To access the MENU functions - Language - Parameters - Probe Value
(1)	Backward from a Menu	Turns On or Off instantaneously the unit regulation, display turns to black after a minute.
V	Reduce a value or move down the prompt in a list of elements.	
$\Lambda_{AUX}$	Increase a value or move up the prompt in a list of elements. To access the AUX functions	
<b>₩</b>	Turn On or Off manually the light output relay.	
SET	To change or confirm the setpoint, Select or confirm the element or a value.	

## LOCK UNLOCK THE KEYBOARD

After a minute without operating the keyboard is automatically locked lacksquare

Push any keys for two seconds to unlock the keyboard

7. AUX FUNCTIONS User auxiliary manual commands are available touching the AUX keys









CONFIRM: Select an item with up and down keys, press **SET** to confirm or 0 to

**Manual Defrost** Set to Confirm



Some functions can be disabled by repeating the same procedure (Manual Energy Saving). Other functions will proceed following their process until the end of the function (manual defrost).

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

Manual defrost: It executes a defrost if the evaporator probe is present "Pr3=5" and the evaporator condition allows it. If no evaporator probe is configured the defrost is time based.

Over temp: it changes the SET temperature to "SET+/-r6" value for the time "r7". With r7=0 the function is disabled. A defrost can be postponed with d4. Extra rH: it changes the humidity SET2 into "h4" value for the time set in

"h5". With "h5=0" the function is disabled. Energy Saving: Enabling the energy saving function changes the SET1 into "SET1 + r4 differential". Repeat the operation to disable the function.

Aux: available if the auxiliary output is configured as manual control "u6"

### LIGHT COMMAND KEY

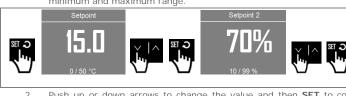
Touch once the light command to turn ON or OFF the light

The light output turns on by opening the door if ic1=7/8/9

### 8. CHANGING THE SETPOINTS

It is possible to change the temperature and humidity setpoint values as follow

Push SET key, the temperature setpoint appears with the available minimum and maximum range



- Push up or down arrows to change the value and then SET to con-
- The humidity SET2 appears:
- Push up or down arrows to change the value and then SET to confirm

INTERMEDIATE EXIT: wait 5 seconds or push to exit and abort the changed value on the display

## ALARMS

All the alarm events are displayed by rotation of the alarm messages on the bot-

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



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

If enabled with "Hr0=1" the RTC alarm appears at the power on after a minute.

The black out alarm is recorded when longer than > A10.

## 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  $\triangle$  are listed into the MENU\_SERVICE\_HACCP log. RESET To reset the blinking alarm icon enter the MENU\_SERVICE: Reset data

## 10. MENU - CONFIGURATION



key for 2 seconds to enter the configuration



Language Select the interface language. Service To show configuration Parameters, Alarms, Alarm Reset and Statistics.

Real time Clock To set the Clock if enabled. Available only if the clock option is availabe.

LANGUAGE To select the operative language. Basic languages I-GB other depending on version updates (N.A.).

MENU\_SERVICE to configure the I/O, reading values and maintenance.



### SERVICE MENU ITEMS

**Parameters** To access and configure parameters Internal value To show I/O values To show the list of active alarms

Alarm Reset (code 149) Reset data memory Re-load original parameter map. BE AWARE (\*) **Parameters Restore** 

Show the HACCP Log from last Alarm Reset.

(\*) custom configuration can be different from default values. By reloading the original values, the loads connected to relay outputs can be damaged or wrongly perform 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



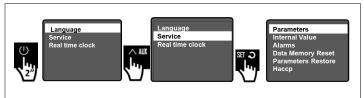
Enter the Clock menu and: push SET and change year value YY; push SET and change month value MM; push SET and change day value DD; push SET and change hour value; push SET and change minutes value; **EXIT** the menu with

Regulation functions available with the clock function

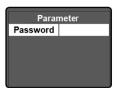
- daily defrost: Hd1..Hd6.
- daily Energy Saving: H01..H02

### 11. PARAMETERS AND PASSWORDS

ENTER: Push MENU key for 2 seconds



### **PASSWORD**



Enter the password using directly the up or down arrows, 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

# 12. 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)



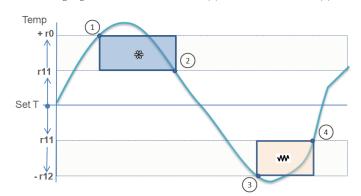
## TEMPERATURE REGULATION WITH NEUTRAL ZONE

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



-r12

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 "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.

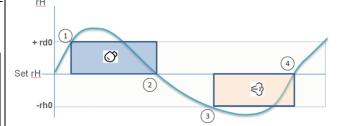
# OPEN DOOR

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

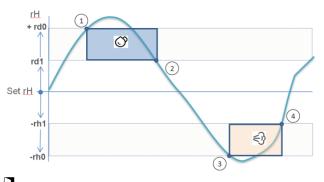
### **Humidity regulation SEt2**

The Humidity is basically controlled by the following algorithms:

 $\odot$ de-humidify is controlled between "SET2+rd0=On" (1) and "SET2=Off" (2) €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 func tion. Cooling regulation can be restarted by forcing the time parameter

# ODE-HUMIDIFY WITH COMPRESSOR (defult rd4=1)

Setting "rd4=0" the function is disabled, while setting the following values: "rd4=1" to use the compressor in de-humidify function.

"rd4=2" to use the compressor+heating in de-humidify function.

### 13. EVAPORATING FAN



Evaporating fan follows the "F0" parameter. default=1

Parameter "FO" allows the following behaviors:

0= "Fans on with regulation on" (intended as compressor, heating, humidify, de umidify). F0=0 also allows to control fan cycles (\*);

1 = Always ON, (default),

2= ON with regulation ON, 3= With temperature threshold F1, if the evaporator probe is enabled "Pr3=5" 4= ON with regulation On and threshold F1, if the evaporator probe is enabled

It is advised to use "F0= 3 or 4" values only without heating elements. For safety reason the fan stop temperature "F1" must be wisely set to avoid stopping the fan during the heating function.

## OTHER SETTINGS

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

**DEFROST** with "F2" fan mode to determine the fan status. **DRIPPING** with "F3" to determine the fan stop time after the defrost.

The uc()=14 as "evaporator fan 2" function it is not available on this model.

# 14. FAN CYCLES F0=0 (\*)

By using "F0=0" the evaporators fan can follows on-off cycles depending on the active function:

1) when there are no temperature or humidity requests: F11\_on e F12\_off 2) when there is a de-humidity request with compressor and the De-humidify

3) when there is a **humidity request** and there is no Humidify relay configured: rh2 On time - rh3 Off time

**DEFAULT VALUES**: the following values allows to operate the normal function, Fan on values must be >0 and Fan Off values must be equal to 0: "F11, rd2 and rh2 = 60'

"F12, rd3 and rh3 = 0"

when there is a regulation request the fans turns or remains 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 =0, rd2 =0 or rh2 =0" the fan output is disabled for the duration of

the requested function. The function is not appropriate with heating elements

BE AWARE that the increasing number of the fan relay switching may cause a long term relay contact concern. It is advised to balance the load (heatingcooling) and the switching timing to preserve the relay.

## 15. OTHER REGULATION

# COMPRESSOR PROTECTION (default value: C2=3 minutes)

Power on: the first compressor start can be delayed with "CO" 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 time in seconds.

"C3" minimum compressor on time function overrides the thermoregulation even outside the temperature or humidity band until it is expired.

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

CONDENSING and CONDENSING FAN (default: to be configured) Condensing fan follow the compressor on status if no condensing probe is con-

figured. By enabling the condensing probe Pr3=1 the following controls are available:

"Fc1+Fc2" Temperature threshold to turn on the condenser fan;

"Fc1" condenser fan off temperature threshold: "Fc3" condenser fan off time after compressor off;

# CONDENSER ALARM

"C6" threshold for high condensing when dangerous for the compressor;

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

### DEFROST

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

TEMPERATURE THRESHOLD 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 =

DISPLAY LOCKED in DEFROST using "d11": 0=not locked, 1= locked. COMPRESSOR STATUS PRE DEFROST time to keep the compressor on before

post overcooling, 2=power-on & post-overcooling. DEFROST DELAY: "d5" in minutes following the "d4" selection.

hot gas defrost: 0=no enabled, d15>0 enabled.

RTC DEFROST When the clock function is available, the user can set 6 daily defrosts that start at "hd1..hd6 > 0" parameters. The function is independent from any other timer based functions of the unit. Te defrost reset the "d0"

DEFROST OUTPUT AS HEATER / DE-HUMIDIFY FUNCTION

Setting "rd5=1" it is possible to use the defrost output also as alternative heating element the heating relay if not available.

### AUXILIARY RELAY (default value: to be configured)

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

- 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 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 if "u6=0 or 1"

"u8" Temperature differential of "u7" to turn on the output if "u6=0 or 1".

For probe error the relay is open.

## AUX MANUAL FUNCTION

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

## 16. DIGITAL INPUT 1 CONFIGURATION

The digital input 1 can be configured in "ic1" parameter, default door switch (7):

Compressor off, Fan and Light on;

0= Disabled.

1= Energy Saving;

2= Alarm Multifunction: Only signaling

3= Reserved

8= Door open 2:

4= Remote Onoff; Turns Off and On the unit.

"i8" events, interval "i7". if "i8"=0 auto reset 5= Thermal switch; 6= Reserved: 7= Door open 1: Compressor and Fan off, Light on;

9= Door open 3: Light on;

Input polarity is determined by "iP1": 0= active function with closed contact: 1= active function 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 goes off, it will restart after this delay in minutes

# 17. CONFIGURATION INPUT 3

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

1 = Condenser probe (condenser fan and alarms) 2 = Core probe (only display) 3 = External air probe (only display) (regulation u6,u7,u8) 4 = Auxiliary probe 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" parameter: 0 disabled e 1=pressure switch (see

# 18. RELAY OUTPUT CONFIGURATION



EXPERT USER ONLY

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

КЗ

1 = Umidify (rh)

3 = Alarm

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

4 = Compressor K2

5 = Heating6 = Condenser fan

7 = Device status on or off.

8 = Air change9 = Light

10 = Compressor 2 11 = Evaporator fan 12 = Defrost

13 = Reserved

14 = Evaporator fan 2

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

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

### 19. ALARMS

Alarms are displayed on the bottom line of the display

PROBE FAILURE: typical problems: open or short circuited sensor, wrong sensor type or bad connection.

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

"Probe 2 failure" Humidity probe failure, humidity and de-humidity regulations are suspended. A time delay to override it can be set using "AH7"

"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 AUX relay turns off.

### TEMPERATURE ALARMS

"LOW TEMPERATURE" setting the "A1" threshold.

To configure the alarm: "A2" 0= disabled, 1=relative to SET, 3=absolute value.

"HIGH TEMPERATURE" setting the "A4" threshold.

To configure the alarm: "A5" 0= disabled, 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

"LOW HUMIDITY ALARM" setting the AH1 relative to SET2. "HIGH HUMIDIY ALARM" setting the AH1 relative to SET2.

Humidity alarm delay "AH7" in minutes and after a power-on with "A6" minutes.

### **POWER FAILURE -**

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

### RTC CLOCK FAILURE

It appears If the clock is enabled "Hr0=1" and the external modules EVIF23TSX or EVLINK are removed or in case of low battery or battery failure.

### DOOR OPEN ALARM

It occurs when the digital input "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 "iC1=5" is active. With "iP1=0" active when contact closed, "iP1=1" 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 "i7" interval. When the number of events is reached the alarm must be manually reset. Setting "i8=0 the alarm is always automatic, with "i8=1" the alarm is al-

# PRESSURE SWITCH ALARM

IF "lp3=0", 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 number of alarm events "i8" during the "i6" interval. When the number of events is reached the alarm must be manually reset. Setting "i8=0 the alarm is always automatic, with "i8=1" the alarm is always manual. If the alarm duration is equal to "i6" the alarm counter does not increase.

# 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.

# 20. EVCONNECT EVLI

Communication functions are in mutual exclusion: 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 clock function 0=no 1=Yes. Connecting an EVLINK "HrO" is automatically enabled and the "rtc" alarm appears. If the EVLINK is removed or

fails the RTC alarm appears. Inserting a EVIF23TSX the HrO parameter must be manually set.

BLE= enable EVLINK. BLE=1 and LA=247 the EVLINK communication is enabled while modbus communication is disabled. BLE=0 the serial interfaces EVIF22/23TSX for RS485 and MODBUS communication can operate.

PA1 = 824 service password access from EVCONNECT APP.

PA2= 642 user password access from EVCONNECT APP. It allows the use of EVCONNECT APP in user mode, the parameter change via APP is not available.

# LOCAL PARAMETER PASSWORD

To access the parameters with local password via keyboard: PAS=-19 service password for all the parameters;

PS1= 1 password to access level 1 parameter

## 22. TECHNICAL DATA

Purpose of the control device:	function controller.
Construction of the controller device:	build-in electronic device.
Case:	Plastic Self extinguish or Open frame.
•	=

Category of heat and fire resistance: Dimensions 111,4 x 76,4 x 48,0 mm (4 3/8 x 3 x 1 15/16in) panel with elastic mounting flaps or backpanel Mounting methods vith double stick tape Front Panel degree of protection: IP65 Connections Removable terminals by re screw connector for wires up TTL Picoblade auest 2.5 mm² Maximum lenght for connection 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) .. 55 °C (32..131 °F). Operating temperature -10 .. 70 °C ( -13 .. 158 °F Storage temperature Operating humidity: from 10 to 90 % not condensing. Pollution status of the control device:

Conformity:					
RoHS 2011/65/CE		WEEE 2012/19/EU		REACH n. 1907/2006	(CE)
EN 60730-1			IEC 60730-1		
Power supply:	12vac/d	dc (±10%), 50/	/60Hz(±3 Hz), 10	VA max	
Earthing methos for the control device			None.		
rated impulse-withstar	nd voltag	je:	4 KV.		
Over-voltage category	:		Ш		
Sftware class structure	9:		Α.		
Real time clock:			Incorporated lithium battery		
Clock drift:			≤ 60 s/month a 25 °C (77 °F).		
Clock battery autonom	y in blad	kout:	> 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		auxiliary
Digital inputs:			1 configurable		
Other inputs: * configurable			auxiliary probe	or pressure switch.	

6 configurable electromechanical relays:

SPST 30 A res. @ 250 VAC

SPDT 8 A res. @ 250 VAC

SPST 16A res. @ 250 VAC

SPST 8 A res. @ 250 VAC

SPST 5 A res. @ 250 VAC;

SPDT 8 A res. @ 250 VAC

TFT 2,8 inches, 16 colors, 320 x 240 pixel.

MODBUS converter (alternative to BLE)

TTL picoblade for parameter key or RS485

# 23. PARAMETERS KEY

Additiona fetures for Type1 or type 2 action

Digital output:

(K3) Light:

Display

Buzzer

(K4) Huidify:

(K5) Evaporator fan

Type1 or type 2 action

Communication port:

(K1) Compressor:

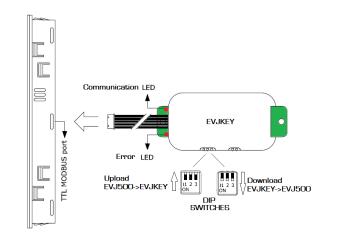
Using the EVJKEY key follow these steps: Power Supply is off;

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

DOWNLOAD from  $\ensuremath{\mathsf{EVJKEY}}$  to  $\ensuremath{\mathsf{REGULATOR}}$  : insert the cable to TTL and the EVJKEY dip-switches 1-2-3 set to ON. TURN THE POWER ON

for some seconds the two leds blink together, during the data transfer the "communication led" is blinking:

DATA TRANSFER OK "communication led" is on. DATA TRANSFER OK "error led" is on



## 24. PARAMETERS

## LEVEL 1 PARAMETERS password PS1=1

CA1	0.0	Probe 1 calibration
CA2	0.0	Probe 2 calibration
r0	2.0	Heating differential
r12	-2.0	Cooling differential
rd0	3.0	De-humidify differential
rh0	-3.0	Humidify differential
d0	0 hours	defrost interval
d2	8	End defrost temperature
d3	30 min	Defrost duration
PLi	1	Light key configuration in stand-by

# SETPOINT LIST (FROM KEYBOARD)

Pbu

Ŭ≣	N.	PAR.	DEF.	SETPOINT	MIN MAX. (°c)
<b>®</b> −		SET	10	temperature setpoint	r1r2
		SET2	70	humidity setpoint	h1h2

Buzzer enabled for alarm and keys

		SET2	70	humidity setpoint	h1h2
	AFT	FDC LLCT			
PAKAI	VIEI	ERS LIST			
	N.	PAR.	DEF.	ANALOG INPUTS	MIN MAX.
	1	CA1	0	Ambient probe offset	-25+25 ° C/F
	3	CA2 CA3	0	Humidity Probe Offset  Auxiliary Probe Offset	-25+25 %rH -25+25 °C/F
	4	P0	1	Probe Type	0=ptc 1=ntc
	5	P1	1	Enable °C Decimal Point	0=no 1=yes
	6	P2	0	Temperature Unit Of Measu- rement	0 = Celsius 1 = Fahrenheit
				rement	0 = Digital input
O,	7	Pr3	5	Probe 3 configuration	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. Value Displayed 2 (right	0 = None 1 = Input 1 2 = Input 2 3 = Input 3
	9	P6	2	side). Setting to 0 the display is off	4 = Setpoint 1 (T) 5 = Setpoint 2 (rH)
	10	P8	5	Display Refresh Time to in- crease/decrease a digit.	0255 1/10 dec s
	11	P9	5	Display 2 Refresh Time to in- crease/decrease a digit.	0255 1/10 dec s
	N.	PAR.	DEF.	TEMPERATURE	MIN MAX.
	12	r0	2	Setpoint cooling Differential. (SET+r0)	0,115 °C/F
				(SET+r11+r0 if neutral zone)	
	13	r1 r2	50	Minimum Setpoint Temp  Maximum Setpoint Temp	-30 r2 °C/F r1 +99 °C/F
	15	r4	0	Setpoint Offset in Energy	099 °C/F
				Saving  Disable Hymidity regulation	
	16	r5	0	during Over Temp	0=no 1 =Yes
	17	r6	0	Define the value of the tem- perature sepoint "SET +/- r6" in Over Temp	-40+99 °C/F
	18	r7	0	OverTemp time duration	0240 min
	19	r11	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.  Setpoint Heating Differential	-10+10 ° C/F
	20	r12	-2	(SET-r12) (SET-r11-r12 if neutral zone).	-250,1 ° C/F
	21	r13	60	Heating Duty Cycle. "r13=60"	060" s
	-			= always on, 0= Off.  Temperature Priority control:	0 = Disabled
	22	r14	2	if >0 the unit stops de- humidify (with compressor) to adjust temperature first.	1 = Heating (if T° rises) 2 = Heat/Cool 3 = Cooling (if T° drops)
	N.	PAR.	DEF.	HUMIDITY	MIN MAX.
12	23	h1	10	Minimum setpoint 2	0h2 %rH
- 1	24			<u> </u>	
	24	h2	95	Maximum setpoint 2	h1100 %rH
	25	h4	0	Setpoint of Extra Humidity using AUX key manual function. The value of "h4" replace SET2 for the time set in "h5".	0100 %гН
	26	h5	0	Extra humidity duration. 0= function not enabled.	0240 min
	N.	PAR.	DEF.	DE-HUMI DI FY	MIN MAX.
				REGULATION  De-Humidity differential.	
	27	rd0	3	(SET2+rd0) (SET2+rd1+rd0 if neutral Zone)	125 %rH
	28	rd1	0	De-Humidify Neutral Zone	010 %rH
	28	rd2	60	Fan On Time in De_humidify.  0= fan off.	0240 " s
	30	rd3	0	Fan Off Time In De-Humidify. 0=normal function.	0240 " s
				De-Humidify with Compressor or compressor and heater.	0 = Disabled 1 = Compressor 1
	31	rd4	1	0= temperature and de- humidity outputs are inde- pendent.	2 = Compressor and Heat
	32	rd5	0	Heating and de-Humidify functions executed with De- frost output if no heating output is available.	0=no 1=Yes
	N.	PAR.	DEF.	HUMIDIFY REGULATION	MIN MAX.
	33	rh0	-3	Humidify Differential (SET2-rh0) (SET2-rh1-rh0 if neutral	-251 %rH
	34	rh1	0	zone)	0 10 % %r⊔
	4د	int		Humidify Neutral Zone Humidify Output On Time (or	010 % %rH
	35	rh2	60	Fan if no rH output configured). 0= Humidify output	0240 " s
	36	rh3	0	off.  Humidify Output Off Time (or Fan if no rH output configured).	0240 " s
				o= Humidify output normal.	
	N.	PAR.	DEF.	COMPRESSOR  Compressor ON Dolay After	MIN MAX.
	37	со	0	Compressor ON Delay After Power-on	0240 min
	38	C2	3	Compressor OFF Minimum Time	0240 min
	39	С3	0	Compressor ON Minimum Time	0240 " s
	40	C4	10	Compressor OFF Time during	0240 min
				Cabinet Probe Alarm Compressor ON Time during	0240 min
Ū	41	C5	10	Cabinet Probe Alarm Threshold for High Condensa-	
	42	C6	80	tion Warning	0199 ° C/F
	43	C7	90	Threshold for High Condensa- tion Alarm	0199 ° C/F
	44	С8	0	Compressor Shutdown Alarm Delay for high condensing.	015 min
	45	C10	0	Compressor run time for Service	days
	46	C11	10	Compressor 2 On Delay after	0240 " s
			1 1	Compressor 1	1

Defrost interval time Type of Defrost

MIN... MAX 0..99 h

0 = Electric

DEFROST

PAR

d0

d1

47

DEF.

0

	p.A.	EVJ506   Ins	truction shee	et ver. 1.0   Codice 104J506E103   I	Page 4 of 5   LC 36/18
					1 = Hot gas 2 = Compressor Stop
	49 50	d2 d3	8	Threshold for Defrost End  Defrost Duration	-99+99 ° C/F
	50	as	30	Derrost Duration	0=no 1=power on
	51	d4	o	Enable Defrost at Power-on	2= post overcooling 3= power on and post
	52	d5	0	Defrost Delay after Power-on	overcooling 099 min
	53	d6	1	Value Displayed during De-	0 = Regulation Value 1 = Display Locked
	55	d7	0	frost  Dripping Time	2 = reserved 015 min
	56	d11	0	Enable Defrost Time-Out	0=NO 1=YES
	57	d15	0	Compressor ON Consecutive Time for Hot Gas Defrost	099 min
	N.	PAR.	DEF.	ALARMS	MIN MAX.
	58	A1	0	Threshold for Low Tempera- ture Alarm	-99+99 ° ° C/F 0 = Disabled
	59	A2	2	Low Temperature Alarm Type	1 = Relative to Setpoint 2 = Absolute
	60	A4	50	Threshold for High Tempera- ture Alarm	-99+99 ° C/F
	61	<b>A</b> 5	2	HighTemperature Alarm Type	0 = Disabled 1 = Relative to Setpoint
		0.4	120	High Temperature Alarm De-	2 = Absolute
•	62	A6 A7	120 15	lay after Power-on Temperature alarm delay	0240 min
•3	64	A8	15	High Temperature Alarm De- lay After Defrost	0240 min
	65	А9	15	High Temperature Alarm De- lay after Door Closing	0240 min
	66	A10	15	Power Failure Duration for PF Alarm Recording	0240 min
	67	A11	1	High/Low Temperature Alarm Reset Differential Low Humidity Alarm relative	0,115 ° C/F
	68	AH1	50	to SET2  High Humidity Alarm relative	0100 %rH
	69 70	AH4 AH7	30	to SET2 Humidity Alarm Delay and	0100 %rH 0240 min
	N.	PAR.	DEF.	sensor error.  EVAPORATOR FAN	MIN MAX.
				Evaporator Fan Mode during Normal Operation.	0 = ON + Fan Cycling. 1 = ON (default)
				With F0=0 parameters F11-	2 = ON if regulation ON 3 = Thermoregulated (with F1 relative to
	71	FO	1	F12, rd2-rd3, rh2-rh3 can enable a fan cycling regula- tion.	Regulation Temper- ature)
				For safety reason (use of	4 = Thermoregulated if Compressor ON
				heating elements and cycles) check the fan control chapter.	(with F1 relative to Regulation Temper-
	72			Threshold for Evaporator Fan	ature)
		F1	99	Operation with F0=3 or 4. The fan starts under F1 and stops at "F1+F8".	-99+99 °C/F
•	73	F2	0	Evaporator Fan Mode during	O = OFF 1 = ON
<b>(3)</b>				Defrost  Evaporator Fan OFF Maxi-	2 = According to F0
	74	F3	0	mum Time after Dripping Threshold for Evaporator Fan	015 min
	75	F7	99	ON after Dripping (relative to Setpoint)  Evaporator Setpoint Differen-	-99+99 ° C/F
	76	F8 F9	5	tial  Evaporator Fan OFF Delay af-	0,115 ° C/F
	77 78	F11	60	ter Compressor OFF Fan On Time with no regula-	0240 "
	79	F12	0	tion. To be used with F0=0.  Fan Off Time with no Regulation. To be used with F0=0.	0240 "
				CONDENSER FAN	MIN MAX.
	N.	PAR.	DEF.	Therebold for Condenses For	
	80	Fc1	25	Threshold for Condenser Fan ON	099 ° C/F
	80 81 82	Fc1 Fc2 Fc3	25 5 5	ON  Condenser Fan Differential  Condenser Fan Off delay	0,115 ° C/F 0240 " s
	80 81	Fc1	25 5	ON Condenser Fan Differential	0,115 ° C/F
	80 81 82 <b>N</b> .	Fc1 Fc2 Fc3 PAR.	25 5 5 DEF.	ON Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay1=disabled	0,115 ° C/F 0240 " s MIN MAX.
	80 81 82 <b>N</b> . 83	Fc1 Fc2 Fc3 PAR. i1	25 5 5 DEF.	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	0,115 ° C/F 0240 " s MI N MAX. 0240 min
	80 81 82 <b>N</b> . 83	Fc1 Fc2 Fc3 PAR. i1	25 5 5 DEF.	ON Condenser Fan Differential Condenser Fan Off delay DIGITAL INPUTS FUNC Lock Display with Open Door Open Door Alarm Delay1=disabled 0= immediate	0,115 ° C/F 0240 " s MI N MAX. 0240 min
Id	80 81 82 <b>N</b> . 83	Fc1 Fc2 Fc3 PAR. i1	25 5 5 DEF. 0	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 re- starting. Multi-purpose Input Alarm	0,115 ° C/F 0240 " s MI N MAX. 0240 min
Id	80 81 82 <b>N</b> . 83 84	Fc1 Fc2 Fc3 PAR. i1 i2	25 5 5 DEF. 0 15	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 Count-	0,115 ° C/F 0240 " s MIN MAX. 0240 min -1120 min
Id	80 81 82 <b>N</b> . 83 84	Fc1 Fc2 Fc3 PAR. i1 i2	25 5 5 DEF. 0 15	ON  Condenser Fan Differential  Condenser Fan Off delay  DIGITAL INPUTS FUNC  Lock Display with Open Door  Open Door Alarm Delay1 = disabled	0,115 ° C/F 0240 " s MI N MAX. 0240 min -1120 min -1120 min
Id	80 81 82 <b>N.</b> 83 84 85	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5	25 5 5 DEF. 0 15	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 Delay  Multi-purpose Input Alarm Delay  Digital Input Event Counting For Pressure or Thermal	0,115 ° C/F 0240 " s MI N MAX. 0240 min -1120 min -1120 min 0120 min 0120 min
Id	80 81 82 <b>N.</b> 83 84 85	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5	25 5 5 DEF. 0 15	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0 = always automatic,	0,115 ° C/F 0240 " s MIN MAX. 0240 min -1120 min -1120 min 0120 min
Id	80 81 82 N. 83 84 85 86 87 88	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6	25 5 5 DEF. 0 15 15 0 60	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0 = always automatic, 1 = always manual. UAXILIARY RELAY	0,115 ° C/F 0240 " s MIN MAX. 0240 min -1120 min -1120 min 0120 min 0120 min 0120 min
Id	80 81 82 <b>N</b> . 83 84 85 86 87 88	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7	25 5 5 DEF. 0 15 15 0 60 60	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 re- starting. Multi-purpose Input Alarm Delay High Pressure Events Count- ing Interval Multi-purpose Input Alarm Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0 = always automatic, 1 = always manual.	0,115 ° C/F 0240 " s MIN MAX. 0240 min -1120 min -1120 min 0120 min 0120 min 0120 min
Id X	80 81 82 <b>N.</b> 83 84 85 86 87 88	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8	25 5 5 DEF. 0 15 15 0 60 60 1	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0= always automatic, 1= always manual.  UAXILIARY RELAY Auxiliary output configuration. The manual control is	0,115 ° C/F 0240 "s MIN MAX. 0240 min -1120 min -1120 min 0120 min 0120 min 0120 min 015 MIN MAX. 0= Heating 1= Cooling
Id X	80 81 82 N. 83 84 85 86 87 88 89	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR.	25 5 5 DEF. 0 15 15 0 60 60 1 DEF.	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0 = always automatic, 1 = always manual.  UAXILIARY RELAY Auxiliary output configuration. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or	0,115 ° C/F 0240 " s MI N MAX. 0240 min -1120 min -1120 min 0120 min 0120 min 0120 min 015 MI N MAX. 0 = Heating 1 = Cooling 2 = Manual
Id **	80 81 82 N. 83 84 85 86 87 88 89 N.	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0	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 re- starting. Multi-purpose Input Alarm Delay High Pressure Events Count- ing Interval Multi-purpose Input Alarm Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0= always automatic, 1= always manual. UAXILIARY RELAY Auxiliary output configura- tion. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or 2". Auxiliary differential for "u7"	0,115 ° C/F 0240 " s MIN MAX. 0240 min -1120 min -1120 min 0120 min 0120 min 0120 min 015 MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F
Id **	80 81 82 N. 83 84 85 86 87 88 89 N. 90	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0	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 Delay Digital Input Event Counting Interval Multi-purpose Input Alarm Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0= always automatic, 1= always manual. UAXILIARY RELAY Auxiliary output configuration. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or 2". Auxiliary differential for "u7" if "u6=1 or 2"	0,115 ° C/F 0240 " s MI N MAX. 0240 min -1120 min -1120 min 0120 min 0120 min 0120 min 015 MI N MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F MI N MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved
Id	80 81 82 N. 83 84 85 86 87 88 89 N. 90	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0	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 Delay Digital Input Event Counting Interval Multi-purpose Input Alarm Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0= always automatic, 1= always manual. UAXILIARY RELAY Auxiliary output configuration. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or 2". Auxiliary differential for "u7" if "u6=1 or 2"	0,115 ° C/F 0240 " s MIN MAX. 0240 min -1120 min -1120 min 0120 min 0120 min 0120 min 015 MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F MIN MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved 3 = reserved 4 = Stand-by
Id	80 81 82 N. 83 84 85 86 87 88 89 N. 90	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0 = always automatic, 1 = always manual.  UAXILIARY RELAY Auxiliary output configuration. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or 2".  Auxiliary differential for "u7" if "u6=1 or 2"  DIGITAL INPUT CONF.	0,115 ° C/F 0240 "' s  MIN MAX. 0240 min -1120 min -1120 min 0120 min 0120 min 0120 min 015  MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F  MIN MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved 4 = Stand-by 5 = Thermal Switch 1 5 = Thermal Switch 2 7 = Compressor + Evap-
Id *	80 81 82 N. 83 84 85 86 87 88 89 N. 90 91	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8 PAR.	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0 0.0 1.0 DEF.	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 re- starting. Multi-purpose Input Alarm Delay High Pressure Events Count- ing Interval Multi-purpose Input Alarm Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0 = always automatic, 1 = always manual.  UAXILIARY RELAY Auxiliary output configura- tion. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or 2".  Auxiliary differential for "u7" if "u6=1 or 2"  DIGITAL INPUT CONF.	0,115 ° C/F 0240 "s  MIN MAX. 0240 min -1120 min -1120 min  0120 min  0120 min  0120 min  0120 min  015  MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F  MIN MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved 4 = Stand-by 5 = Thermal Switch 1 5 = Thermal Switch 1 5 = Thermal Switch 2 7 = Compressor + Evaporator Fan OFF, Light ON
Id	80 81 82 N. 83 84 85 86 87 88 89 N. 90 91	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8 PAR.	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0 0.0 1.0 DEF.	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0 = always automatic, 1 = always manual.  UAXILIARY RELAY Auxiliary output configuration. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or 2".  Auxiliary differential for "u7" if "u6=1 or 2"  DIGITAL INPUT CONF.	0,115 ° C/F 0240 " s  MIN MAX. 0240 min -1120 min -1120 min  0120 min  0120 min  0120 min  015  MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F  MIN MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved 4 = Stand-by 5 = Thermal Switch 1 5 = Thermal Switch 1 5 = Thermal Switch 2 7 = Compressor + Evaporator Fan OFF, Light ON 8 = Evaporator Fan OFF, Light ON
Id X	80 81 82 N. 83 84 85 86 87 88 89 N. 90 91	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8 PAR.	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0 0.0 1.0 DEF.	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0 = always automatic, 1 = always manual.  UAXILIARY RELAY Auxiliary output configuration. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or 2".  Auxiliary differential for "u7" if "u6=1 or 2"  DIGITAL INPUT CONF.	0,115 ° C/F 0240 " s  MIN MAX. 0240 min -1120 min -1120 min  0120 min  0120 min  0120 min  015  MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F  MIN MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved 4 = Stand-by 5 = Thermal Switch 1 5 = Thermal Switch 1 5 = Thermal Switch 2 7 = Compressor + Evaporator Fan OFF, Light ON 8 = Evaporator Fan OFF,
*	80 81 82 N. 83 84 85 86 87 88 89 N. 90 91	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8 PAR.	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0 0.0 1.0 DEF.	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0= always automatic, 1= always manual.  UAXILIARY RELAY  Auxiliary output configuration. The manual control is operated via AUX key.  Auxiliary Setpoint if "u6=1 or 2".  Auxiliary differential for "u7" if "u6=1 or 2"  DIGITAL INPUT CONF.  Multi-purpose Input 1 Activation. 0= function active for	0,115 ° C/F 0240 "s  MIN MAX. 0240 min -1120 min -1120 min  0120 min  0120 min  0120 min  015  MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F  MIN MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved 3 = reserved 3 = reserved 4 = Stand-by 5 = Thermal Switch 1 5 = Thermal Switch 2 7 = Compressor + Evaporator Fan OFF, Light ON 8 = Evaporator Fan OFF, Light ON 9 = Compressor + Evaporator Fan OFF, Light ON 9 = Compressor + Evaporator Fan OFF, Light ON
*	80 81 82 N. 83 84 85 86 87 88 89 N. 90 91 92 N.	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8 PAR.	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0 0.0 DEF. 7	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0= always automatic, 1= always manual.  UAXILIARY RELAY Auxiliary output configuration. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or 2".  Auxiliary differential for "u7" if "u6=1 or 2".  Multi-purpose Input Function, Door switch: 7,8 or 9.	0,115 ° C/F 0240 "' s  MIN MAX. 0240 min -1120 min -1120 min  0120 min 0120 min 0120 min 015  MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F  MIN MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved 4 = Stand-by 5 = Thermal Switch 1 5 = Thermal Switch 1 5 = Thermal Switch 1 5 = Thermal Switch 2 7 = Compressor + Evaporator Fan OFF, Light ON 8 = Evaporator Fan OFF, Light ON 9 = Compressor + Evaporator Fan OFF, Light ON
*	80 81 82 N. 83 84 85 86 87 88 89 N. 90 91 92 N.	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8 PAR.	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 7	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0 = always automatic, 1 = always manual. UAXILIARY RELAY Auxiliary output configuration. The manual control is operated via AUX key. Auxiliary Setpoint if "u6=1 or 2". Auxiliary differential for "u7" if "u6=1 or 2" DIGITAL INPUT CONF.  Multi-purpose Input Function, Door switch: 7,8 or 9.  Multi-purpose Input 3 Activation. O= function active for contact closed. Digital Input 3 configuration Pr3=0.  Multi-purpose Input 3 Activa-	0,115 ° C/F 0240 "s  MIN MAX. 0240 min -1120 min -1120 min  -1120 min  0120 min  0120 min  0120 min  015  MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F  MIN MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved 4 = Stand-by 5 = Thermal Switch 1 5 = Thermal Switch 1 5 = Thermal Switch 1 5 = Thermal Switch 2 7 = Compressor + Evaporator Fan OFF, Light ON 8 = Evaporator Fan OFF, Light ON 9 = Compressor + Evaporator Fan OFF, Light ON 0 = Closed 1 = open  0 = disabled 1 = high pressure switch
*	80 81 82 N. 83 84 85 86 87 88 89 N. 90 91 92 N.	Fc1 Fc2 Fc3 PAR. i1 i2 i3 i5 i6 i7 i8 PAR. u6 u7 u8 PAR.	25 5 5 DEF. 0 15 15 0 60 60 1 DEF. 0 0.0 1.0 DEF.	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 Delay Digital Input Event Counting For Pressure or Thermal Alarm. 0= always automatic, 1= always manual.  UAXILIARY RELAY Auxiliary output configuration. The manual control is operated via AUX key. Auxiliary differential for "u7" if "u6=1 or 2"  DIGITAL INPUT CONF.  Multi-purpose Input 1 Activation. 0= function active for contact closed. Digital Input 3 configuration Pr3=0.	0,115 ° C/F 0240 "s  MIN MAX. 0240 min -1120 min -1120 min  -1120 min  0120 min  0120 min  0120 min  015  MIN MAX. 0 = Heating 1 = Cooling 2 = Manual -99+99 ° C/F 0,115 ° C/F  MIN MAX. 0 = Disabled 1 = Multifunction alarm 2 = reserved 3 = reserved 4 = Stand-by 5 = Thermal Switch 1 5 = Thermal Switch 1 5 = Thermal Switch 2 7 = Compressor + Evaporator Fan OFF, Light ON 8 = Evaporator Fan OFF, Light ON 9 = Compressor + Evaporator Fan OFF, Light ON 9 = Compressor + Evaporator Fan OFF, Light ON 0 = closed 1 = open 0 = disabled

İ					O Disabled
	97	uc1	4	K1 Output Configuration (C)	0 = Disabled 1 = Humidity
	98	uc2	5	K2 Output Configuration (Ht)	2 = de-Humidfy
	99	uc3	9	K3 Output Configuration (L)	3 = Alarm 4 = Compressor 1
	100	uc4	1	K4 Output Configuration (rH)	5 = Heating
	101	uc5	11	K5 Output Configuration (EF)	6 = Condenser Fans
	102	uc6	12	K6 Output Configuration (Def)	7 = ON / STAND-BY 8 = Air Change 9 = Light 10 = Compressor 2 11 = Evaporator Fans 12 = Defrost 13 = Reserved 14 = Evaporator Fan 2 15 = Auxiliary Relay
	N.	PAR.	DEF.	TOUCH KEYS	MIN MAX.
	103	POF	1	Enable ON/Stand-by Key	0 = no $1 = yes$
	104	PLi	1	Light button in stand-by	0 = no 1 = yes
	105	PSr	1	Disable Alarm Output by Si- lencing the Buzzer	0 = no 1 = yes
	106	Pbu	2	Enable key and Buzzer Function	0 = no 1 = only alarm, no keys 2 = alarm and keys
	N.	PAR.	DEF.	PASSWORD	MIN MAX.
	107	PAS	-19	Password for all parameters	-99 999
<b>1</b>	108	PS1	1	Level 1 service	-99 999
0	109	PA1	426	Evlink user password	-99 999
	110	PS2	824	Evlink service password	-99 999
	N.	PAR.	DEF.	CLOCK	MIN MAX.
(	111	Hr0	0/1	Enable clock function.  1 = for models provided with	0 = no
				rtc or EVLINK on board.	1 = yes
	N.	PAR.	DEF.	rtc or EVLINK on board.  DATALOGGER	MIN MAX.
	<b>N</b> .	PAR.	DEF.	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX	,
	112	BLE	1	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)
				DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX	MIN MAX.  0 = no (Modbus active)
	112	BLE rE0	1 15	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all
	112 113 114	BLE rEO rE1	1 15 4	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all probes
	112 113 114 <b>N</b> .	BLE rE0 rE1 PAR.	1 15 4 DEF.	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3 = probe 3; 4= probe 1 e probe 2; 5= all probes  MIN MAX.
	1112 1113 1114 <b>N</b> .	BLE rE0 rE1 PAR. Hd1	1 15 4 DEF.	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all probes  MIN MAX.  024 h
	1112 1113 1114 <b>N</b> . 1115 1116	BLE rEO rE1 PAR. Hd1 Hd2	1 15 4 DEF.	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time  2nd Daily Defrost Time	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all probes  MIN MAX.  024 h  024 h
	1112 1113 1114 N. 1115 1116 1117	PAR. Hd1 Hd2 Hd3	1 15 4 DEF.	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time  2nd Daily Defrost Time  3d Daily Defrost Time	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all probes  MIN MAX.  024 h  024 h  024 h
	1112 1113 1114 N. 1115 1116 1117 1118	PAR. Hd1 Hd2 Hd3 Hd4	1 15 4 DEF	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time  2nd Daily Defrost Time  4th Daily Defrost Time	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 = probe 2; 5= all probes  MIN MAX.  024 h  024 h  024 h  024 h
•••	1112 1113 1114 N. 1115 1116 1117 1118 1119	PAR. Hd1 Hd2 Hd3 Hd4 Hd5	1 15 4 DEF	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time 2nd Daily Defrost Time 4th Daily Defrost Time 5th Daily Defrost Time	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2
	1112 1113 1114 N. 1115 1116 1117 1118 1119 120	PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6	1 15 4 DEF	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time  2nd Daily Defrost Time  4th Daily Defrost Time  5th Daily Defrost Time  6th Daily Defrost Time	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all probes  MIN MAX.  024 h  024 h  024 h  024 h  024 h  024 h
♣, <sup>©</sup>	1112 1113 1114 N. 1115 1116 1117 1118 1119 120 N.	PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR.	1 15 4 DEF DEF.	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time  2nd Daily Defrost Time  3d Daily Defrost Time  4th Daily Defrost Time  5th Daily Defrost Time  6th Daily Defrost Time  MODBUS	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all probes  MIN MAX.  024 h
<b>♣</b> ,©	1112 1113 1114 N. 1115 1116 1117 1118 1119 120 N.	PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. LA	1 15 4 DEF DEF DEF. 247	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time  2nd Daily Defrost Time  3d Daily Defrost Time  4th Daily Defrost Time  5th Daily Defrost Time  6th Daily Defrost Time  MODBUS  MODBUS address if BLE=0	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2
<b>♣</b> ,©	1112 1113 1114 N. 1115 1116 1117 1118 1119 120 N. 121 122	PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. LA	1 15 4 DEF DEF. 247 3	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time  2nd Daily Defrost Time  3d Daily Defrost Time  4th Daily Defrost Time  5th Daily Defrost Time  6th Daily Defrost Time  MODBUS  MODBUS address if BLE=0  MODBUS Baud Rate if BLE=0.  ENERGY SAVING	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all probes  MIN MAX.  024 h  025 h  026 h  027 h  027 h  029 h  029 h  029 h  020 c  1 = 4800 2 = 9600; 3 = 19200  0 = None; 1 = Odd; 2 =
RS485	1112 1113 1114 N. 1115 1116 1117 1118 1119 120 N. 121 122 123	PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. LA Lb	1 15 4 DEF DEF. 247 3 2	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time  2nd Daily Defrost Time  3d Daily Defrost Time  4th Daily Defrost Time  5th Daily Defrost Time  6th Daily Defrost Time  MODBUS  MODBUS address if BLE=0  MODBUS Baud Rate if BLE=0.  Modbus Parity if BLE=0.  ENERGY SAVING  Energy Saving Max Duration in manual mode	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 3= probe 3; 4= probe 1 e probe 2; 5= all probes  MIN MAX.  024 h  025 h  026 h  027 h  027 h  028 h  029 h  029 h  029 h  020 c  0= None; 1= Odd; 2= Even
RS485	1112 1113 1114 N. 1115 1116 1117 1118 1119 120 N. 121 122 123 N.	PAR. Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 PAR. LA Lb LP	1 15 4 4 DEF DEF. 247 3 2 DEF.	DATALOGGER  "1"= EVLINK presence leaving LA, Lb and LP to default. To enable modbus communication via EVIF22/23TSX modules set to "0".  Recording interval  Select Probes for Data-logger Recording  REAL TIME DEFROST Hr0=1  1st Daily Defrost Time  2nd Daily Defrost Time  3d Daily Defrost Time  4th Daily Defrost Time  5th Daily Defrost Time  6th Daily Defrost Time  MODBUS  MODBUS address if BLE=0  MODBUS Baud Rate if BLE=0.  ENERGY SAVING  Energy Saving Max Duration	MIN MAX.  0 = no (Modbus active)  1 = Yes (EVLINK active)  0240 min  0=none 1=probe 1; 2= probe 2 as probe 3; 4= probe 1 e probe 2; 5= all probes  MIN MAX.  024 h  026 h  MIN MAX.  1 247  0= 2400; 1= 4800 2= 9600; 3= 19200  0= None; 1= Odd; 2= Even  MIN MAX.

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

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