EV3H94

Controller for DHW heat pump heaters







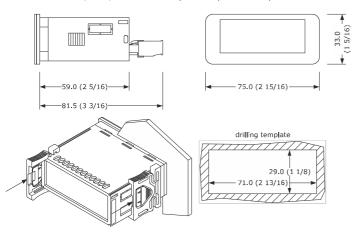


EN ENGLISH

- power supply 115... 230 VAC
- DHW tank upper and lower probe, evaporator probe (PTC/NTC/Pt 1000)
- photovoltaic, HP and multi-purpose digital input (see i0)
- compressor relay 16 A res. @ 250 VAC
- alarm buzzer
- TTL MODBUS slave port for EVconnect app, EPoCA remote monitoring system or for BMS.

1 MEASUREMENTS AND INSTALLATION

Measurements in mm (inches). To be fitted to a panel, snap-in brackets provided.



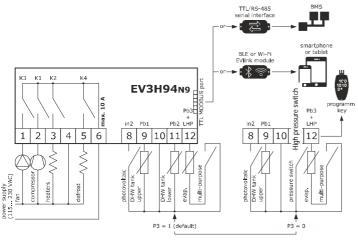
INSTALLATION PRECAUTIONS

- 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 SPECIFICATIONS 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.

2 ELECTRICAL CONNECTION



- N.B.
- use cables of an adequate section for the current running through them.
- to reduce any electromagnetic interference locate the power cables as far away as possible from the signal cables.



PRECAUTIONS FOR ELECTRICAL CONNECTION

- if using an electrical or pneumatic screwdriver, adjust the tightening torque;
- if the device is moved from a cold to a warm place, humidity may cause condensation to form inside. Wait for 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 carrying out any type of maintenance;
- do not use the device as a safety device;
- for repairs and for further information, contact the EVCO sales network

3 FIRST-TIME USE

- Carry out the installation following the instructions given in the section MEASUREMENTS
 AND INSTALLATION.
- Power up the device as set out in the section ELECTRICAL CONNECTION: an internal test will start up.
 - The test normally takes a few seconds; when it is finished the display will switch off. Configure the device as shown in the section Setting configuration parameters.

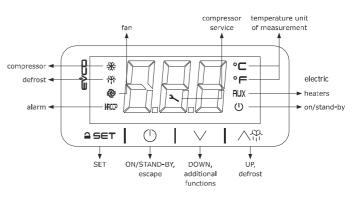
Recommended configuration parameters for first-time use:

PAR.	DEF.	PARAMETER	MIN MAX.
SP1	55.0	setpoint in economy mode	r3 r4
SP2	65.0	setpoint in comfort mode	r1 r2
PO	1	type of probe	O = PTC 1 = NTC
			2 = Pt 1000
P2	0	temperature measurement unit	0 = °C 1 = °F
P3	1	enabled probes	D = DHW tank upper probe + high pressure input DHW tank upper and lower probe
d1	2	type of defrost	0 = electric 1 = hot gas 2 = compressor stopped 3 = hot gas balancing the pressure

Then check that the remaining settings are appropriate; see the section CONFIGURA-TION PARAMETERS.

- Disconnect the device from the mains.
- Make the electrical connection as shown in the section ELECTRICAL CONNECTION without powering up the device.
- 6. For the connection in an RS-485 network connect the interface EVIF22TSX or EVIF23TSX, to activate real time functions connect the module EVIF23TSX, to use the device with the EPoCA remote monitoring system, connect the EVIF25TWX module, to use the device with the APP EVconnect connect the interface EVIF25TBX; see the relevant instruction sheets. <u>If EVIF22TSX or EVIF23TSX is used, set parameter bLE to 0.</u>
- Power up the device.

USER INTERFACE AND MAIN FUNCTIONS



4.1 Switching the device on/off

1. Touch the ON/STAND-BY key for 4 s.

If the device is switched on, the display will show the P5 value ("DHW tank upper temperature" default): if the display shows an alarm code, see the section ALARMS.

default);	if the display shows an a	larm code, see the section	on ALARMS.
LED	ON	OFF	FLASHING
*	compressor switched	compressor switched	- compressor protection active
727	on	off	- setpoint being set
*	defrost active	-	-
@	fans switched on	fans switched off	-
НАССР	alarm active	-	-
3	compressor mainte-	-	operation with EVconnect APP ac-
	nance request		tive
°C/°F	temperature display	-	-
AUX	heaters switched on	heaters switched off	-
(1)	device switched off	device switched on	-

When 30s have elapsed without the keys being pressed, the display will show the "Loc" label and the keypad will lock automatically.

4.2 Unlocking the keypad

Touch a key for 1 s: the display will show the label "UnL".

Setting the setpoint Economy

CHECK	i at the keypau is no	l locked.
1.	≙ SET	Touch the SET key: the display will show the label "SP1".
2.	_ aset	Touch the SET key.
3.	√	Touch the UP or DOWN keys within 15s to set the value within the limits r3 and r4 (default "40 55").
4.	_ a set	Touch the SET key (or take no action for 15s).
5.		Touch the ON/STAND-BY key.

Setting the Comfort setpoint

Check that the keypad is not locked

1.	≙SET	Touch the SET key: the display will show the label "SP1".
2.	₹	Touch the UP or DOWN key to select the label "SP2".
3.	≙SET	Touch the SET key.
4.	√	Touch the UP or DOWN keys within 15s to set the value within the limits r1 and r2 (default "40 70").
4. 5.	F SET	The state of the s

Setting the overboost activation threshold 4.5

Check that the keypad is not locked.

1.	≙SET	Touch the SET key: the display will show the label "SP1".
2.	₹	Touch the UP or DOWN key to select the label "SP3".
3.	_ a set	Touch the SET key.
4.	₹	Touch the UP or DOWN keys within 15s to set the value within the limits 10 and r2 (default "10 70").
5.	≙SET	Touch the SET key (or take no action for 15s).
6.		Touch the ON/STAND-BY key.

4.6 Activating manual defrost

Check that the keypad isn't locked and that the anti-legionella and overboost functions aren't active

△₩ Touch the UP key for 4s.

If P4 = 1 or 2 (default), defrost is activated provided that the evaporator temperature is lower than the d2 threshold.

Silencing the alarm buzzer (if u9 = 1)

Touch a key.

FUNCTIONS AND LOAD OPERATIONS

Economy

- compressor on if DHW tank lower temperature < "SP1 setpoint r0 differential" and off if DHW tank lower temperature > "SP1 setpoint"
- fans on if compressor on
- heaters switched off in normal operation (on if needed during defrost)

Comfort

- compressor on if DHW tank lower temperature < "SP5 setpoint rO differential" and off if DHW tank lower temperature > "SP5 setpoint"
- fans on if compressor on
- heaters on, with a single probe configured (P3 = 0), if DHW tank upper temperature < "SP2 - r6 threshold - r7 differential" and off if DHW tank upper temperature > "SP2 r6 threshold".
- heaters on, with two probes configured (P3 = 1), if DHW tank upper temperature < "SP2 - r0 differential" and off if DHW tank upper temperature > "SP2".

Anti-legionella

It activates at "HO intervals" or at "Ant time", provided that DHW tank lower temperature > "SP1 setpoint" and > "SP2 setpoint"

- compressor switched off
- fans switched off
- heaters switched on until DHW tank upper temperature > "H1 threshold" and then for "H3 time"

Overboost

It activates in manual mode, provided that DHW tank upper and lower temperature < "SP3" threshold"

compressor, fans and heaters on until DHW tank upper temperature > "SP1 setpoint".

5.5 Defrosting

It activates with evaporator temperature < "d17 threshold" for "d18 time" or in manual mode, provided that the anti-legionella and overboost functions are not active

- compressor switched on if d1 = 1
- defrost relay active if d1 = 1 or 2

- fans switched on if d1 = 2
- heaters switched on to prevent too high temperature drop in the storage tank

Photovoltaic system

It activates with photovoltaic input active

operation as in comfort mode, except for "SP2 setpoint" which becomes "SP6 setpoint".

It activates with multi-purpose input active and DHW tank upper and lower temperature > "SP8 setpoint"

- compressor switched off
- fans switched off
- heaters switched off.

5.8 Antifreeze

This function is used to prevent the water freezing. It is activated when tank upper temperature < "SP7 setpoint" - "r0 differential" and this function is deactivated when tank upper temperature > "SP7 setpoint"

- heaters are switched on.

This function can be active only if the controller is in stand-by.

Pre opening hot gas defrost valve

This function is used to balance the pressure at the compressor start-up, and it is activated on-Iv if "d1" = 3.

This function switch on the defrost output "i11" seconds before the start-up of the compressor, this occurs every time the compressor started, even if there is no defrost request.

5.10 Fan operation

The fan operates depending on the active function, normally C12 second before the switch on of the compressor. There are some exceptions:

- defrost: in case of hot gas (d1=1) compressor is active but fan is off. In case of compressor stop (d1=2) compressor is off but fan is active
 - alarms: in case of LHP compressor is off but fan is active

ADDITIONAL FUNCTIONS

Activating/deactivating comfort operation in manual mode

-	Check t	hat the	keypad is no	t locked.
	1.		✓	Touch the DOWN key for 1 s: the display will show a code.
-	2.	Ý		Touch the UP or DOWN key within 15s to select a label.
		COD.	DESCRIPTION	ON
-		Auto	activates co	omfort operation
		ECO	deactivates	comfort operation
-	3.	25	∍∈⊤	Touch the SET key.
	4.		D	Touch the ON/STAND-BY key (or take no action for 60s) to exit the procedure. $ \\$

Activating the overboost function

Check that the keypad isn't locked

1.		Touch the DOWN key for 1 s: the display will show a code.
2.	₹	Touch the UP or DOWN key within 15s to select "ObS".
3.	≙SET	Touch the SET key.
4.	I (1)	Touch the ON/STAND-BY key (or take no action for 60s) to exit the procedure.

6.2 Displaying the operating mode

Check that the keypad is not locked.

1.	\	✓ 	Touch the DOWN key: the display will show a code.		
	COD.	DESCRIPTION	ON		
	ECO	economy			
	ObS	overboost			
	Auto	comfort			
	Anti	anti-legionella; if flashing, DHW tank lower temperature > "SP1 setpoint" an			
		> "SP2 setp	> "SP2 setpoint"		
	dEFr	defrost	lefrost		
	in2	photovoltaid	c function		
2.	(Touch the ON/STAND-BY key (or take no action for 60s) to exit the procedure.			

Displaying/deleting compressor functioning hours

Check 1	nat the	keypad is no	t locked.
1.	★		Touch the DOWN key for 1 s: the display will show a code.
2.	f	<u>^</u> # •	Touch the UP or DOWN key within 15s to select a label.
	COD.	DESCRIPTION	NC
	СН	display com	pressor working hours in hundreds
	rCH	delete comp	pressor working hours
3.	≅SET		Touch the SET key.
4.	1		Touch the UP or DOWN key to set "149" (to select rCH).
5.	1 29	5 €⊤	Touch the SET key.
6.	(U U	Touch the ON/STAND-BY key (or take no action for 60s) to exit the procedure.

7	SETTINGS	
7.1	Setting configurat	ion parameters
1.	≙SET	Touch the SET key for 4 s: the display will show the label "PA".
2.	aset	Touch the SET key.
3.	₹	Touch the UP or DOWN key within 15s to set -19".
4.	aset	Touch the SET key (or take no action for 15s): the display will show the label "SP".
5.	₹	Touch the UP or DOWN key to select a parameter.
6.	≙SET	Touch the SET key.
7.	√	Touch the UP or DOWN key within 15s to set the value.
8.	≅SET	Touch the SET key (or take no action for 15s).
9.	≙ SET	Touch the SET key for 4s (or take no action for 60s) to exit the procedure.

7.2 Set the date, time and day of the week (if module EVIF23TSX, EVIF25TWX or interface EVIF25TBX is connected)

	N.
<u> </u>	-

- Do not disconnect the device from the mains within two minutes since the setting of the time and day of the week.
 - if the device communicates with the EVconnect app, the date, time and day of the week will be automatically set by the smartphone or tablet.

Check that the keypad is not locked.

1.	1 /	₩	Touch the UP key.
2.	1		Touch the UP or DOWN key within 15s to select the label "rtc".
3.	aset		Touch the SET key: the display will show the label "yy" followed by the last two figures of the year.
4.	f		Touch the UP or DOWN key within 15 s to set the year.
5.	Repea	t actions 3. a	nd 4. to set the next labels.
	LAB.	DESCRIPTION	ON OF THE NUMBERS FOLLOWING THE LABEL
	n	month (01	. 12)
	d	day (01 3	1)
	h	time (00 2	23)
	n	minute (00.	59)
	1.0	1	Touch the SET key: the display will show the label for the day of
6.	1 2 5	SET	the week.
7.	€	>## 	
	√ LAB.	<u> </u>	the week. Touch the UP or DOWN key within 15 s to set the day of the week.
	√	<u>^</u>	the week. Touch the UP or DOWN key within 15 s to set the day of the week.
	√ LAB.	DESCRIPTION	the week. Touch the UP or DOWN key within 15 s to set the day of the week.
	√ LAB. Mon	DESCRIPTION Monday	the week. Touch the UP or DOWN key within 15 s to set the day of the week. ON
	LAB. Mon tuE	DESCRIPTION Monday Tuesday	the week. Touch the UP or DOWN key within 15 s to set the day of the week. ON
	LAB. Mon tuE UEd	DESCRIPTION Monday Tuesday Wednesday	the week. Touch the UP or DOWN key within 15 s to set the day of the week. ON
	LAB. Mon tuE UEd thu	DESCRIPTION Monday Tuesday Wednesday Thursday	the week. Touch the UP or DOWN key within 15 s to set the day of the week. DN
	LAB. Mon tuE UEd thu Fri	DESCRIPTION Monday Tuesday Wednesday Thursday Friday	the week. Touch the UP or DOWN key within 15 s to set the day of the week. ON
	LAB. Mon tuE UEd thu Fri Sat Sun	DESCRIPTION Monday Tuesday Wednesday Thursday Friday Saturday	the week. Touch the UP or DOWN key within 15 s to set the day of the week. DN

7.3 Restoring factory settings (default)

o,	-	ch
1.	1	â

heck that the factory settings are appropriate; see the section CONFIGURATION

	PARAIVIE IERS.	
	i	
1.	≙ SET	Touch the SET key for 4 s: the display will show the label "PA".
2.	_ a set	Touch the SET key.
3.	₹	Touch the UP or DOWN key within 15s to set "149".
4.	≙SET	Touch the SET key (or take no action for 15s): the display will show the label "dEF".
5.	≟SET	Touch the SET key.
6.	₹	Touch the UP or DOWN key within 15s to set "1".
7.	≙SET	Touch the SET key (or take no action for 15 s): the display will show "" flashing for 4 s, after which the device will exit the procedure.
8.	Disconnect the dev	ice from the power supply.
9.	≙ SET	Touch the SET key for 1s before action 6 to exit the procedure beforehand.

				ARAMETERS	
	No.	PAR.	DEF.	SETPOINT	MIN MAX.
	1	SP1	55.0	setpoint in economy mode	r3 r4
	2	SP2	65.0	setpoint in comfort mode	r1 r2
			_	'	
	3	SP3	45.0	overboost activation threshold	10 °C/°F r2
Ω=	4	SP5	55.0	heat pump switch-off threshold	r1 SP2
	5	SP6	75.0	photovoltaic system setpoint	40 100 °C/°F
	6	SP7	5.0	setpoint in antifreeze mode	0 40 °C/°F
	7	SP8	40.0	setpoint in green mode	0 100 °C/°F
	8			cold evaporator alarm threshold	
			-25 25 °C/°F		
	9	SPA	-25	evaporator failure alarm threshold	-50 25 °C/°F
	No.	PAR.	DEF.	ANALOGUE INPUTS	MIN MAX.
	10	CA1	0.0	DHW tank upper probe offset	-25 25 °C/°F
	11	CA2	0.0	DHW tank lower probe offset	-25 25 °C/°F
	12	CA3	0.0	evaporator probe offset	-25 25 °C/°F
	13	PO	1	type of probe	0 = PTC 1 = NTC 2 = Pt 1000
	14	P1	1	enable decimal point °C	0 = no 1 = yes
	15	P2	0	temperature measurement unit	0 = °C 1 = °F
	16	P3	1	enabled probes	0 = DHW tank upper pro + high pressure input 1 = DHW tank upper at
O.	17	P4	2	evaporator probe function	lower probe 0 = disabled (defrost every
					d18 minutes) 1 = defrost activation are defrost end 2 = defrost activation
	18	P5	0	value displayed	0 = DHW tank upper ter perature 1 = setpoint in comformode 2 = DHW tank lower ter perature 3 = evaporator temperature
	19	P8	5	display refresh time	0 250 s: 10
	No.	PAR.	DEF.	REGULATION	MIN MAX.
	20	r0 r1	40.0	setpoint differential minimum setpoint in comfort mode	1 30 °C/°F 10 °C/°F r2
	22	r2	70.0	maximum setpoint in comfort mode	r1 100 °C/°F
1	23	r3	40.0	minimum setpoint in economy mode	10 °С/°Ғ г4
4	24	r4	55.0	maximum setpoint in economy mode	r3 100 °C/°F
	25	r5	0	enable setpoint blocking in economy and comfort modes	0 = no 1 = yes
	26	r6	15.0	heater threshold in comfort mode	0 50 °C/°F
	27	r7	15.0	heater threshold differential in comfort mode	1 30 °C/°F
	No.	PAR.	DEF.	COMPRESSOR	MIN MAX.
	_			compressor on delay from pow-	0 240 min
	28	CO	5		U 240 IIIIII
				er-on	
	28	C0 C1	5	minimum time between two	0 240 min
	29	C1	5	minimum time between two power-ons of compressor	0 240 min
		C1 C2		minimum time between two power-ons of compressor minimum compressor-off time	0 240 min
	29	C1	5	minimum time between two power-ons of compressor	0 240 min
	29	C1 C2	5	minimum time between two power-ons of compressor minimum compressor-off time	0 240 min 0 240 min 0 240 s 0 999 h x 100
	29 30 31	C1 C2 C3 C10	5 5 0 400	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for mainte- nance	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled
	29 30 31 32	C1 C2 C3	5 5 0	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for mainte-	0 240 min 0 240 min 0 240 s 0 999 h x 100
	29 30 31 32 33	C1 C2 C3 C10	5 5 0 400	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for mainte- nance interval for cold evaporator con- trol	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min
	29 30 31 32 33 34	C1 C2 C3 C10 C11 C12	5 0 400 120 60	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for maintenance interval for cold evaporator control compressor-on delay from fan on for cold evaporator control compressor-on delay from green multi-purpose input reset compressor-on consecutive time	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min 0 240 s 0 240 min
	29 30 31 32 33 34 35	C1 C2 C3 C10 C11 C12 C13	5 5 0 400 120 60	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for maintenance interval for cold evaporator control compressor-on delay from fan on for cold evaporator control compressor-on delay from green multi-purpose input reset	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min 0 240 s 0 240 s
	29 30 31 32 33 34 35	C1 C2 C3 C10 C11 C12 C13	5 5 0 400 120 60	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for maintenance interval for cold evaporator control compressor-on delay from fan on for cold evaporator control compressor-on delay from green multi-purpose input reset compressor-on consecutive time	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min 0 240 s 0 240 min
	29 30 31 32 33 34 35 36	C1 C2 C3 C10 C11 C12 C13 C14	5 0 400 120 60 20	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for maintenance interval for cold evaporator control compressor-on delay from fan on for cold evaporator control compressor-on delay from green multi-purpose input reset compressor-on consecutive time for evaporator failure control	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min 0 240 s 0 240 min -1 240 min -1 = disabled
	29 30 31 32 33 34 35 36 No.	C1 C2 C3 C10 C11 C12 C13 C14 PAR.	5 0 400 120 60 20 20 DEF.	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for maintenance interval for cold evaporator control compressor-on delay from fan on for cold evaporator control compressor-on delay from green multi-purpose input reset compressor-on consecutive time for evaporator failure control DEFROST	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min 0 240 s 0 240 min -1 240 min -1 = disabled MIN MAX. 0 = electric 1 = hot gas 2 = compressor stopped 3 = hot gas balancing t pressure
	29 30 31 32 33 34 35 36 No.	C1 C2 C3 C10 C11 C12 C13 C14 PAR.	5 0 400 120 60 20 20 DEF.	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for maintenance interval for cold evaporator control compressor-on delay from fan on for cold evaporator control compressor-on delay from green multi-purpose input reset compressor-on consecutive time for evaporator failure control DEFROST	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min 0 240 s 0 240 min -1 240 min -1 = disabled MIN MAX. 0 = electric 1 = hot gas 2 = compressor stopped 3 = hot gas balancing ti
•••	29 30 31 32 33 34 35 36 No.	C1 C2 C3 C10 C11 C12 C13 C14 PAR. d1	5 5 0 400 120 60 20 20 DEF.	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for maintenance interval for cold evaporator control compressor-on delay from fan on for cold evaporator control compressor-on delay from green multi-purpose input reset compressor-on consecutive time for evaporator failure control DEFROST type of defrost	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min 0 240 s 0 240 min -1 240 min -1 = disabled MIN MAX. 0 = electric 1 = hot gas 2 = compressor stopped 3 = hot gas balancing t pressure -50 50 °C/°F 0 99 min 0 = defrost disabled
•••	30 31 32 33 34 35 36 No. 37	C1 C2 C3 C10 C11 C12 C13 C14 PAR. d1	5 5 0 400 120 60 20 20 DEF. 2	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for maintenance interval for cold evaporator control compressor-on delay from fan on for cold evaporator control compressor-on delay from green multi-purpose input reset compressor-on consecutive time for evaporator failure control DEFROST type of defrost	0 240 min 0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min 0 240 s 0 240 min -1 240 min -1 = disabled MIN MAX. 0 = electric 1 = hot gas 2 = compressor stopped 3 = hot gas balancing topressure -50 50 °C/°F 0 99 min 0 = defrost disabled If P4 = 1, maximum duration default 0 in map 3 of EV3H94N9PXRX01 and
•••	30 31 32 33 34 35 36 No. 37	C1 C2 C3 C10 C11 C12 C13 C14 DAR. d1	5 5 0 400 120 60 20 20 DEF. 2	minimum time between two power-ons of compressor minimum compressor-off time minimum compressor-on time compressor hours for maintenance interval for cold evaporator control compressor-on delay from fan on for cold evaporator control compressor-on delay from green multi-purpose input reset compressor-on consecutive time for evaporator failure control DEFROST type of defrost	0 240 min 0 240 s 0 999 h x 100 0 = disabled 0 999 min 0 240 s 0 240 min -1 240 min -1 = disabled MIN MAX. 0 = electric 1 = hot gas 2 = compressor stopped 3 = hot gas balancing t pressure -50 50 °C/°F 0 99 min 0 = defrost disabled If P4 = 1, maximum duratic default 0 in map 3 of EV3H94N9PXRX01 and EV3H94N9PXRX01

p.A. E No.	PAR.	DEF.	ALARMS	MIN MAX.		80	Ant		time ar	itilegionell	a on		00:00 23:59 h:min
42	A0	0	select value for low temper-	0 = DHW tank upper tempera-		8.7	DAG	DEE	CAFET	TC.			00:00 = disabled
			ature alarm	ture 1 = DHW tank lower tempera-	$\overline{\Diamond}$	N. 81	PAR. PA1	DEF. 426	SAFETI	password			MIN MAX. -99 999
				ture		82	PA2	824		password			-99 999
				2 = evaporator temperature		N.	PAR.	DEF.		OGGING I	EVLINK		MIN MAX.
43	A1	10.0	low temperature alarm	0 50 °C/°F		83	bLE	1	enable	Bluetooth			0 = no $1 = si$
44	A2	0	low temperature alarm type	0 = disabled		84	rEO	15	data-lo	data-logger sampling inter-		nter-	>1 reserved 0 240 min
45	A3	0		1 = absolute	<u></u>				val	_			
45	AS	"	select value for high tem- perature alarm	0 = DHW tank upper tempera- ture	1009	85	rE1	1	recorde	d tempera	ature		0 = nessuna 1 = DHW tank upper
			F	1 = DHW tank lower tempera-									2 = DHW tank lower
				ture									3 = evaporator
				2 = evaporator temperature									4 = DHW tank upper and lov
46	A4	90.0	high temperature alarm threshold	0 199 °C/°F default 75.0 in		N.	PAR.	DEF.	MODEL	ıc			5 = tutte
			trii esriola	EV3H94N9PXRX01 and		N. 86	LA	247			MIN MAX. 1 247		
				EV3H94N9VXRX01		87	Lb	2		MODBUS baud rate 0 = 2.400 1 = 4.800 2 = 9.600 3 = 19.200		0 = 2.400 baud	
47	A5	0	high temperature alarm type	0 = disabled	Id							1 = 4.800 baud	
48	A6	120	high temperature alarm de-	1 = absolute 0 240 min									2 = 9.600 baud
40	1 10	120	lay from power-on	5 240 Hill		88	LP	2	parity				0 = none 1 = odd
49	A7	15	high/low temperature alarm delay	0 240 min		88 LP 2 panty						2 = even	
50	A10	120	power failure duration for alarm recording	0 240 min	9	ALARM	S						
51	A11	2.0	high/low temperature alarm reset differential	1 30 °C/°F	CODE Pr1	DESCR	RIPTION tank	upper	probe	RESET automati	c		ORRECT eck P0
No.	PAR.	DEF.	FAN	MIN MAX.		alarm							eck probe integrity
52	FO	1	enable fan	0 = no 1 = yes	Pr2	DHW	tank	lower	probe	automati	с	- che	eck electrical connection
No.	PAR.	DEF.	ANTI-LEGIONELLA	MIN MAX.		alarm							
53	HO	30	anti-legionella interval	0 99 d (days) 0 = none	Pr3 rtc	evapoi clock a		obe ala	rm	automati manual			ate, time and day of the week
			anti-legionella thermal		AL			ure alar	m	automati	С		AO, A1 and A2
54	H1	70.0	threshold	10 199 °C/°F	АН			ture ala		automati			A3, A4 and A5
55	H3	2	anti-legionella thermal	0 240 min	PF	power	failure	alarm		manual		- tou	ıch a key
			threshold maintenance dura- tion	0 = function disabled							,		eck electrical connection
No.	PAR.	DEF.	DIGITAL INPUTS	MIN MAX.	LHP	pressu blocke	ire d alarm		tch/unit	automati manual	C/		itch the device off and on eck i0, i8 and i9
56	iO	0	multi-purpose input function	0 = disabled	HP		ressure			manual			itch the device off and on
				1 = pressure switch								- che	eck P3
				2 = green	FiL	compr	essor	main	tenance		_		C10
	:0	١ ۾			FIL			main	teriarice	automati	٠		
57	i2	0	compressor-on delay from pressure switch alarm reset	0 120 min	FIL	alarm		IIIdiii	teriarice	automati		by sil	encing the buzzer you delete
57 58	i2 i3	0	compressor-on delay from pressure switch alarm reset enable photovoltaic system		UtL	alarm		ilure ala		manual	c	by sile	
			pressure switch alarm reset enable photovoltaic system photovoltaic system input	0 120 min 0 = no		alarm						by sil- comp - sw	encing the buzzer you delete ressor functioning hours
58	i3	0	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation	0 120 min 0 = no 1 = yes	UtL	alarm evapoi	rator fa	ilure ala	arm	manual		by sil- comp - sw	encing the buzzer you delete ressor functioning hours itch the device off and on
58	i3	0	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa-	O 120 min O = no 1 = yes O = with contact closed 1 = with contact open O = with contact closed	UtL	alarm evapoi	rator fa	ilure ala		manual		by sil- comp - sw	encing the buzzer you delete ressor functioning hours itch the device off and on
58 59	i3 i4	0 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation	O 120 min O = no	UtL	alarm evapoi	rator fa	ilure ala	erm CATION	manual	functio	by sill comp - swi - che	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14
58 59	i3 i4	0 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch	O 120 min O = no 1 = yes O = with contact closed 1 = with contact open O = with contact closed	UtL 10 Purpos Constr	evapor	rator fa	ilure ala	CATION	manual	function built-in	by sill comp - swith confidence on confidenc	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14 htroller tronic device
58 59 60	i3 i4 i5	0 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked	O 120 min O = no 1 = yes O = with contact closed 1 = with contact open O = with contact closed 1 = with contact closed 1 = with contact open	UtL 10 Purpos Constr Contain	evapor ECHNI e of the uction coner	ICAL S	PECIFI I device	CATION e evice	manual	function built-in black,	by sill comp - swi - che on con	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14
58 59 60	i3 i4 i5	0 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch	O 120 min O = no	UtL 10 Purpos Constr Contain Catego	evapor	ICAL S control f the co	PECIFI I device	CATION e evice	manual	function built-in	by sill comp - swi - che on con	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14 htroller tronic device
58 59 60 61	i3 i4 i5	0 1 1 3	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms	O 120 min O = no 1 = yes O = with contact closed 1 = with contact open O = with contact closed 1 = with contact open O 15 O = disabled 1 999 min	UtL Purpos Constr Contail Catego Measur 75.0 x	evapor e of the uction coner ory of herements 33.0 x	rator fa	PECIFI I device ontrol defire res	CATION e evice istance	manual S 5/16 x 2	function built-in black, D.	by sil- comp - swi - che on con n elect self-e	encing the buzzer you delete ressor functioning hours itch the device off and on eck SPA and C14 etroller tronic device xtinguishing.
58 59 60 61	i3 i4 i5	0 1 1 3	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay	O 120 min O = no 1 = yes O = with contact closed 1 = with contact open O = with contact closed 1 = with contact open O 15 O = disabled 1 999 min	Purpos Constr Contail Catego Measur 75.0 x 5/16 ir	evapor evapor e of the uction coner ory of herements 33.0 x	rator fa	PECIFI I device ontrol de fire res im (2.19 rew teri	CATION evice istance 5/16 x 1 minal blo	manual S 5/16 x 2 cks	functic built-ir black, D.	on con n elect self-e	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14 etroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1/ith plug-in screw terminal blo
58 59 60 61 62 63	i3 i4 i5 i5 i8 i9 i10	0 1 1 3 240 24	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarms pressure switch alarm delay from compressor-on	O 120 min O = no	Purpos Constr Contail Catego Measur 75.0 x 5/16 ir	evapor evapor e of the uction coner ory of herements 33.0 x	rator fa	PECIFI I device ontrol de fire res im (2.19 rew teri	CATION e evice istance	manual S 5/16 x 2 cks	function built-in black, D. 75.0 x 3 3/16 to be s	on con n elect self-e	encing the buzzer you delete ressor functioning hours itch the device off and on eck SPA and C14 etroller tronic device xtinguishing.
58 59 60 61	i3 i4 i5 i8 i9	0 1 1 3 240	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay	O 120 min O = no	Purpos Constrr Contain Catego Measu 75.0 x 5/16 ir	evapor evapor e of the uction coner ory of her rements 33.0 x n) with fing meti	rator fa	PECIFI I device ontrol de fire res Im (2 1) rew teri	evice istance 5/16 x 1 minal blo ntrol dev	manual S 5/16 x 2 cks	functic built-ir black, D.	by sill comp - swi - che on con n elect self-e	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14 etroller tronic device extinguishing. x 81.5 mm (2 15/16 x 1 5/1 vith plug-in screw terminal blo to a panel, snap-in brackets p
58 59 60 61 62 63	i3 i4 i5 i5 i8 i9 i10	0 1 1 3 240 24	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas	O 120 min O = no	Purpos Constr Contai Catego Measui 75.0 x 5/16 ir Mounti	evapor evapor e of the uction coner ory of her rements 33.0 x n) with fing meti	ICAL S control of the co eat and s 59.0 m fixed sc hods fo	PECIFI I device ontrol de fire res Im (2 1) rew teri	evice istance 5/16 x 1 minal blo ntrol dev	manual S 5/16 x 2 cks rice	function built-in black, D. 75.0 x 3 3/16 to be sixed built-in black.	by sill comp - swi - che on con n elect self-e	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14 etroller tronic device extinguishing. x 81.5 mm (2 15/16 x 1 5/1 vith plug-in screw terminal blo to a panel, snap-in brackets p
58 59 60 61 62 63 64	i3 i4 i5 i8 i9 i10 i11	0 1 1 3 240 24	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve	O 120 min O = no 1 = yes O = with contact closed 1 = with contact open O = with contact closed 1 = with contact open O 15 O = disabled 1 999 min O 240 sx10 O = no 1 = yes default 1 in	Purpos Constr Contail Catego Measul 75.0 x 5/16 ir Mounti Degree Connect	evapor evapor e of the uction conner ory of he rements 33.0 x n) with f ng metl	ICAL S control of the co eat and s 59.0 m fixed sc hods fo tection ethod	PECIFI I device ontrol de fire res im (2 1: rew teri r the co provide	cation evice istance 5/16 x 1 minal blo ntrol dev	manual S 5/16 x 2 cks rice	functic built-in black, D. 75.0 x 3 3/16 to be vided IP65 (by sill comp - swi - che	encing the buzzer you delete ressor functioning hours itch the device off and on each SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 yith plug-in screw terminal blo to a panel, snap-in brackets purchased to the strong terminal blocks for wires upon the
58 59 60 61 62 63 64	i3 i4 i5 i8 i9 i10 i11	0 1 1 3 240 24	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure	O 120 min O = no	Purpos Constr Contail Catego Measul 75.0 x 5/16 ir Mounti Degree Conner fixed s mm²	evapor evapor evapor evapor e of the uction coner ory of he rements 33.0 x h) with fi ng metl e of protection me crew te	ICAL Secontrol of the control of the	PECIFI Il device control de fire res im (2 1) rew teri r the co provide	cation evice stance 5/16 x 1 minal blo ntrol dev d by the	5/16 x 2 cks rice covering up to 2.5	function built-in black, D. 75.0 x 3 3/16 to be a vided IP65 (plug-ir 2.5 mi	by sill comp - swi - che	encing the buzzer you delete ressor functioning hours itch the device off and on eck SPA and C14 etroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 vith plug-in screw terminal blo to a panel, snap-in brackets pressor functioning to a panel, snap-in brackets pressor functions and the strength of the stre
58 59 60 61 62 63 64	i3 i4 i5 i8 i9 i10 i11	0 1 1 3 240 24	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure	O 120 min O = no 1 = yes O = with contact closed 1 = with contact open O = with contact closed 1 = with contact open O 15 O = disabled 1 999 min O 240 sx10 O = no 1 = yes default 1 in	Purpos Constr Contai Catego Measu 75.0 x 5/16 ir Mounti Degree Connee fixed s mm² Maxim	evapor evapor e of the uction content of the rements of the reme	ICAL S Control The control T	PECIFICAL PROPERTY OF THE PECIFICAL PROPERTY	cation evice stance 5/16 x 1 minal blo ntrol dev d by the or wires	manual S 5/16 x 2 cks rice covering	functic built-life black, D. 75.0 × 33/16 to be wided IP65 (plug-life blug-life blug-life second s	by sill comp - swin - che con n elect self-e (front) n scree m² (or	encing the buzzer you delete ressor functioning hours litch the device off and on each SPA and C14 entroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 / i/th plug-in screw terminal blo to a panel, snap-in brackets pure w terminal blocks for wires up n request).
58 59 60 61 62 63 64 65	i3 i4 i5 i8 i9 i10 i11 i12	0 1 1 3 240 24 60	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4	O 120 min O = no 1 = yes O = with contact closed 1 = with contact open O = with contact open O = with contact open O 15 O = disabled 1 999 min O 240 sx10 O = no 1 = yes default 1 in EV3H94N9PXRX01 and EV3H94N9VXRX01 MIN MAX. O = no (defrost on K2)	Purpos Constr Contail Catego Measul 75.0 x 5/16 ir Mounti Degree Connec fixed s mm² Maxim power	evapor evapor evapor evapor e of the uction coner ory of he rements 33.0 x h) with fi ng metl e of protection me crew te	ICAL S control action action	PECIFI I device ontrol d fire res (2 1! rew terr r the co	cATION evice istance 5/16 x 1 minal blo ntrol dev d by the or wires or conne	5/16 x 2 cks rice covering up to 2.5	function bullt-in-black, D. 75.0 × 3 3/16 to be vided IP65 (plug-ir-s analog	by sill comp swin- swin- che che comp con nelect self-e c 33.0 6 in) w fitted front) n scree m² (or	encing the buzzer you delete ressor functioning hours itch the device off and on each SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 yith plug-in screw terminal blo to a panel, snap-in brackets purchased to the strong terminal blocks for wires upon the
58 59 60 61 62 63 64 65 No.	i3 i4 i5 i8 i9 i10 i11 i12 PAR. u0	0 1 1 3 240 24 60 0	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion	O 120 min 0 = no 1 = yes 0 = with contact closed 1 = with contact open 0 = with contact open 0 = with contact open 0 15 0 = disabled 1 999 min 0 240 sx10 0 240 s 0 = no 1 = yes default 1 in EV3H94N9PXRX01 and EV3H94N9VXRX01 MIN MAX. 0 = no (defrost on K2) 1 = yes (defrost on K4)	Purpos Constr Contai Catego Measur 75.0 x 5/16 ir Mounti Degree Conner fixed s mm² Maxim power digital Operat	alarm evapor evapor e of the uction of ner erements 33.0 x 33.0 x in many evapor evapo	action for the control of the contro	PECIFI I device ontrol d fire res mm (2 1! rew terr r the co olocks fi (32.8 ft) 332.8 ft)	cATION evice istance 5/16 x 1 minal blo ntrol dev d by the or wires or conne	5/16 x 2 cks rice covering up to 2.5	functice built-in- black, D. 75.0 × 3 3/16 to be vided IP65 (plug-in- ss analog digital From 0	by sill- compute Service Servi	encing the buzzer you delete ressor functioning hours litch the device off and on eack SPA and C14 extroller tronic device extinguishing. x 81.5 mm (2 15/16 x 1 5/1 i/ith plug-in screw terminal blo to a panel, snap-in brackets provided by the request). w terminal blocks for wires up a request). couts: 10 m (32.8 ft) extra 131 °F)
58 59 60 61 62 63 64 65	i3 i4 i5 i8 i9 i10 i11 i12	0 1 1 3 240 24 60 0	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4	0 120 min 0 = no	Purpos Constr Contai Catego Measui 75.0 x 5/16 ir Mounti Degree Connee fixed s mm² Maxim power digital Operat Storag	evaporate e of the uction of t	account of the country of the countr	PECIFI I device ontrol d fire res mm (2 1! rew terr r the co olocks fi (32.8 ft) 332.8 ft)	cATION evice istance 5/16 x 1 minal blo ntrol dev d by the or wires or conne	5/16 x 2 cks rice covering up to 2.5	functic built-iir black, D. 75.0 × 3 3/16 to be ivided IP65 (plug-iir sanalog digital From 0 from -	by sill- compute the component of the co	encing the buzzer you delete ressor functioning hours itch the device off and on eck SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 vith plug-in screw terminal blot to a panel, snap-in brackets plus w terminal blocks for wires up a request). buts: 10 m (32.8 ft) uts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F)
58 59 60 61 62 63 64 65 No. 66	i3 i4 i5 i8 i9 i10 i11 i12 PAR. u0	0 1 1 3 240 24 60 0	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarms from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer	O 120 min 0 = no 1 = yes 0 = with contact closed 1 = with contact open 0 = with contact open 0 = with contact open 0 15 0 = disabled 1 999 min 0 240 sx10 0 240 s 0 = no 1 = yes default 1 in EV3H94N9PXRX01 and EV3H94N9VXRX01 MIN MAX. 0 = no (defrost on K2) 1 = yes (defrost on K4)	Purpos Constr Contai Catego Measui 75.0 x 5/16 ir Mounti Degree Connee fixed s mm² Maxim power digital Operat Storag	alarm evapor evapor e of the uction of ner erements 33.0 x 33.0 x in many evapor evapo	account of the country of the countr	PECIFI I device ontrol d fire res mm (2 1! rew terr r the co olocks fi (32.8 ft) 332.8 ft)	cATION evice istance 5/16 x 1 minal blo ntrol dev d by the or wires or conne	5/16 x 2 cks rice covering up to 2.5	function built-int black, D. 75.0 × 3 3/16 to be evided IP65 (plug-ir analog digital From 6 from - relativ	by sill- components swifted self-e 33.00 w fitted fitted front) n screen front gue ing outpu 0 to 55 25 to we hurr	encing the buzzer you delete ressor functioning hours itch the device off and on eck SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 vith plug-in screw terminal blo to a panel, snap-in brackets processed in request). buts: 10 m (32.8 ft) uts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F)
58 59 60 61 62 63 64 65 No. 66 67 N.	i3 i4 i5 i8 i9 i10 i11 i12 PAR. u0 u9 PAR.	0 1 1 3 240 24 60 0	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarms from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK	0 120 min 0 = no	Purpos Constr Contai Catego Measu 75.0 x 5/16 ir Mounti Degree Conner fixed s mm² Maxim power digital Operat Storag Operat	alarm evapor evapor e of the uction o erements 33.0 x x) with fi ng mett um perr supply: inputs: ing tem e temped hunder e te	e control seat and s 559.0 m fixed sc hods fo tetection 110 m (110 m (110 m)	PECIFI II device In device If reserved the control of If reserved the contr	cATION evice istance 5/16 x 1 minal blo ntrol dev d by the or wires or conne	5/16 x 2 cks rice covering up to 2.5	functic built-iir black, D. 75.0 × 3 3/16 to be ivided IP65 (plug-iir sanalog digital From 0 from -	by sill- components swifted self-e 33.00 w fitted fitted front) n screen front gue ing outpu 0 to 55 25 to we hurr	encing the buzzer you delete ressor functioning hours itch the device off and on eck SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 vith plug-in screw terminal blo to a panel, snap-in brackets processed in request). buts: 10 m (32.8 ft) uts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F)
58 59 60 61 62 63 64 65 No. 66 67 N. 68 69	i3 i4 i5 i8 i9 i10 i11 i11 i12 PAR. u0 u9 PAR. HrO	0 1 1 3 240 0 0 DEF. 1 DEF. 0 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarms pressure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day	0 120 min 0 = no	Purpos Constr Contai Catego Measu 75.0 x 5/16 ir Mounti Degree Conner fixed s mm² Maxim power digital Operat Storag Operat	e of the uction	e control seat and s 559.0 m fixed sc hods fo tetection 110 m (110 m (110 m)	PECIFI II device In device If reserved the control of If reserved the contr	cation evice stance 5/16 x 1 minal blo ntrol dev or wires or conne	5/16 x 2 cks rice covering up to 2.5	function built-ir black, D. 75.0 x x 3 3/16 to be e vided IP65 (2.5 min ss analog digital from - relativ 10 to to	by sill- components swifted self-e 33.00 w fitted fitted front) n screen front gue ing outpu 0 to 55 25 to we hurr	encing the buzzer you delete ressor functioning hours itch the device off and on eck SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 vith plug-in screw terminal blot to a panel, snap-in brackets plus w terminal blocks for wires up a request). buts: 10 m (32.8 ft) uts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F)
58 59 60 61 62 63 64 65 No. 66	i3 i4 i5 i8 i9 i10 i11 i12 PAR. u0 u9 PAR. Hr0	0 1 1 3 240 24 60 0 DEF. 1 DEF. 0	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day	0 120 min 0 = no	Purposiconte de la contraction del contraction de la contraction del contraction de la contraction de	e of the uction	ICAL S Control The control S S S S S S S S S S S S S	PECIFI II device In device If reserved the control of If reserved the contr	cation evice stance 5/16 x 1 minal blo ntrol dev d by the or wires or conne	5/16 x 2 cks rice covering up to 2.5	function built-in-black, D. 75.0 × 3 3/16 to be vided IP65 (by sill- components swifted self-e 33.00 w fitted fitted front) n screen front gue ing outpu 0 to 55 25 to we hurr	encing the buzzer you delete ressor functioning hours litch the device off and on eack SPA and C14 entroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1/vith plug-in screw terminal blo to a panel, snap-in brackets plus w terminal blocks for wires up in request). buts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F) midity without condensate f
58 59 60 61 62 63 64 65 No. 66 67 N. 68 69	i3 i4 i5 i8 i9 i10 i11 i11 i12 PAR. u0 u9 PAR. HrO	0 1 1 3 240 0 0 DEF. 1 DEF. 0 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues-	O 120 min O = no	Purpos Constr Contai Catego Measur 75.0 x 5/16 ir Mounti Degree Connee fixed s mm² Maxim power digital Operat Storag Operat Pollutic Compli RoHS 2	alarm evapor evapor e of the uction of ner pry of he rements 33.0 x x) with fi ng metl crew te um perr supply: inputs: ing tem e tempe ing hun ns statu ance: 2011/65	rator fa lead of the control of the	PECIFI I device ontrol d fire res m (2 1! rew teri r the co provide lolocks fr (32.8 ft) 32.8 ft)	cATION evice istance 5/16 x 1 minal blo ntrol dev d by the or wires or conne U U U U U U U U U U U U U	s 5/16 x 2 cks cice covering up to 2.5 ction cable	functice built-iir black, D. 75.0 x 3 3/16 to be vided IP65 (plug-ir ss analog digital From 0 from - relativ 10 to to 2.	by sill computer series of the computer serie	encing the buzzer you delete ressor functioning hours litch the device off and on eack SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 vith plug-in screw terminal blot to a panel, snap-in brackets plus in request). w terminal blocks for wires up n request). substitute 10 m (32.8 ft) at 15 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F) midity without condensate f
58 59 60 61 62 63 64 65 No. 66 67 N. 68 69	i3 i4 i5 i8 i9 i10 i11 i12 PAR. u0 u9 PAR. Hr0 Hd1 Hd2	0 1 1 3 240 24 60 0 DEF. 1 DEF. 0 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Thurs-	0 120 min 0 = no	Pollutic Complitation Control Content Contain Catego Measur 75.0 x 5/16 in Mounti Degree Conner fixed s mm² Maxim power digital Operat Storag Operat Complitation	evaporation of the uction of t	accountry of the country of the coun	PECIFI I device control d fire ress m (2 1! rew term r the co provide and the co provide and the co provide control control control control control control control control	evice stance 5/16 x 1 minal bloch ntrol dev d by the or wires I device WEEE	s 5/16 x 2 cks cice covering up to 2.5 ction cable	functice built-iir black, D. 75.0 x 3 3/16 to be vided IP65 (plug-ir ss analog digital From 0 from - relativ 10 to to 2.	by sill computer on control on co	encing the buzzer you delete ressor functioning hours itch the device off and on eck SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 i/th plug-in screw terminal blo to a panel, snap-in brackets plus in request). buts: 10 m (32.8 ft) its: 10 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F) midity without condensate fill report/2006 5/EU coording to standard EMC
58 59 60 61 62 63 64 65 No. 66 67 N. 68 69 70	i3 i4 i5 i8 i9 i10 i11 i112 PAR. u0 u9 PAR. Hr0 Hd1 Hd2 Hd3	0 1 1 3 240 0 0 DEF. 1 DEF. 0 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Wednesday	0 120 min 0 = no	Pollutic Complitation Control Content Contain Catego Measur 75.0 x 5/16 in Mounti Degree Conner fixed s mm² Maxim power digital Operat Storag Operat Complitation	alarm evapor evapor e of the uction of mere and the stream of the stream	accountry of the country of the coun	PECIFI I device control d fire ress m (2 1! rew term r the co provide and the co provide and the co provide control control control control control control control control	evice stance 5/16 x 1 minal bloch ntrol dev d by the or wires I device WEEE	s 5/16 x 2 cks cice covering up to 2.5 ction cable	function bullt-in-black, D. 75.0 x 3 3/16 to be 1 vided IP65 (by sill comp - sw - che - sw - che - self-e x 33.0 6 in) w fitted - self-e x 33.0 0 to 50 - 25 to 10 - 25 to 10 - 20 - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 3	encing the buzzer you delete ressor functioning hours litch the device off and on each SPA and C14 entroller tronic device extinguishing. x 81.5 mm (2 15/16 x 1 5/1 / ith plug-in screw terminal blo to a panel, snap-in brackets plus in request). buts: 10 m (32.8 ft). 5 °C (from -13 to 158 °F) midity without condensate fill promises for the provided of the provided in the provi
58 59 60 61 62 63 64 65 No. 66 67 N. 68 69 70 71 72	i3 i4 i5 i8 i9 i10 i11 i12 PAR. u0 u9 PAR. Hr0 Hd1 Hd2 Hd3 Hd4 Hd5	0 1 1 3 240 24 60 0 1 1 DEF. 0 1 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Thurs- day time for switch on on Thurs- day time for switch on on Friday time for switch on on Friday	0 120 min 0 = no	Purpose Construction Contained To Contained	alarm evapor e of the uction coner ry of he rements 33.0 v in with f ing metl e of prof crew te crew te	rator fa ICAL S Control The control S S S S S S S S S S S S S	PECIFI I device ontrol d fire res m (2 1! rew terr r the co control d 32.8 ft; e control control control control control control control	evice stance 5/16 x 1 minal bloch ntrol dev d by the or wires I device WEEE	manual 5 5/16 x 2 cks rice covering up to 2.5 ction cable	function bullt-in-black, D. 75.0 x 3 3/16 to be 1 vided IP65 (by sill comp - sw - che - sw - che - self-e x 33.0 6 in) w fitted - self-e x 33.0 0 to 50 - 25 to 10 - 25 to 10 - 20 - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 3	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14 entroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 / ith plug-in screw terminal blo to a panel, snap-in brackets plus w terminal blocks for wires up n request). buts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F) midity without condensate for the properties of the pro
58 59 60 61 62 63 64 65 No. 66 67 N. 68 69 70 71 72 73	13 14 15 18 19 110 111 112 112 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114	0 1 1 3 240 0 0 0 DEF. 1 1 DEF. 0 1 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Thurs- day time for switch on on Friday time for switch on on Friday time for switch on on Satur- day time for switch on on Satur- day	O 120 min O = no	Purpos Constr Contai Catego Measuu 75.0 x 5/16 ir Mounti Degree Connee fixed s mm² Maxim power digital Operat Storag Operat Pollutic Compli RoHS : EMC 2(Classifi to prot Power Earthir Rated	alarm evapor e of the uction coner ner gry of he grid filter and filter	rator fa ICAL S control f the co seat and s 559.0 m the co thods for 10 m the co th	PECIFI I device ontrol d fire res mm (2 1) rew terir r the co provide control 32.8 ft) re e control the corr the corr control the corr and vol	evice istance 5/16 x 1 minal blo ntrol dev d by the or wires or conne WEEE	manual 5 5/16 x 2 cks rice covering up to 2.5 ction cable	functice built-in black, D. 75.0 x 3 3/16 to be vided IP65 (plug-in 2.5 mm ss analog digital From (from - relativ 10 to to 2. LVD 2: class 60730 115 Hz), rr none 2.5 KV	by sill comp - sww - che - swm	encing the buzzer you delete ressor functioning hours litch the device off and on eack SPA and C14 entroller tronic device extinguishing. x 81.5 mm (2 15/16 x 1 5/1 i/ith plug-in screw terminal blo to a panel, snap-in brackets plus in request). buts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F). 70 °C (from -13 to 158 °F) midity without condensate for the province of the provinc
58 59 60 61 62 63 64 65 No. 66 67 N. 68 69 70 71 72	i3 i4 i5 i8 i9 i10 i11 i12 PAR. u0 u9 PAR. Hr0 Hd1 Hd2 Hd3 Hd4 Hd5	0 1 1 3 240 24 60 0 1 1 DEF. 0 1 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Thurs- day time for switch on on Friday time for switch on on Satur- day time for switch on on Satur- day time for switch on on Sun-	0 120 min 0 = no	Purposiconstruction of the control o	evaporation of the uction of t	rator fa ICAL S control of the co seat and d so 59.0 m fixed sc hods fo tection tethod mitted I 10 m (paperature nidity ss of the code for the co withst category	PECIFI I device ontrol d fire res m (2 1! rew terir r the co provide control (32.8 ft) 32.8 ft) re the control control the corr and volity	cATION evice stance 5/16 x 1 minal blo ntrol dev d by the or wires or conne WEEE device ashock	manual 5 5/16 x 2 cks rice covering up to 2.5 ction cable	function built-in black, D. 75.0 x 3 3/16 to be wided IP65 (plug-irr 2.5 mm ss analog digital From 0 from - relative 2. LVD 2: LVD 2: LVD 2: LVD 2: LVD 2: LVD 3: LVD	by sill comp - sww - che - swm	encing the buzzer you delete ressor functioning hours litch the device off and on eack SPA and C14 entroller tronic device extinguishing. x 81.5 mm (2 15/16 x 1 5/1 i/ith plug-in screw terminal blo to a panel, snap-in brackets plus in request). buts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F). 70 °C (from -13 to 158 °F) midity without condensate for the province of the provinc
58 59 60 61 62 63 64 65 No. 66 67 N. 68 69 70 71 72 73	13 14 15 18 19 110 111 112 112 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114	0 1 1 3 240 0 0 0 DEF. 1 1 DEF. 0 1 1	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Thurs- day time for switch on on Friday time for switch on on Friday time for switch on on Satur- day time for switch on on Satur- day	0 120 min 0 = no	UtL Purpos Constr Contai Catego Measu 75.0 x 5/16 ir Mounti Degree Conner fixed s mm² Maxim power digital Operat Storag Operat Pollutic Compli RoHS 2 Classifi to prot Power Earthir Rated Over-v Softwa	alarm evapor e of the uction coner ner gry of he grid filter and filter	rator fa CAL S e control of the co seat and s 59.0 m rixed sc hods fo tection 10 m (mitted I 10 m (mitte	PECIFI I device ontrol d fire res m (2 1! rew terir r the co provide control (32.8 ft) 32.8 ft) re the control control the corr and volity	cATION evice stance 5/16 x 1 minal blo ntrol dev d by the or wires or conne WEEE device ashock	manual 5 5/16 x 2 cks rice covering up to 2.5 ction cable	functic built-in black, D. 75.0 x 3 3/16 to be evided IP65 (plug-ir 2.5 mm ss analog digital From 0 from	by sill comp - sww - che - swm	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14 entroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 / ith plug-in screw terminal blo to a panel, snap-in brackets plus in request). buts: 10 m (32.8 ft) / its: 10 m (32.8 f
58 59 60 61 62 63 64 65 No. 66 67 70 71 72 73 74	i3 i4 i5 i8 i9 i10 i11 i11 i12 PAR. u0 u9 PAR. HrO Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 Hd7	0 1 1 3 240 0 0 0 DEF. 1 1 1 1 1 1 1 2	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Friday time for switch on on Friday time for switch on on Satur- day time for switch on on Satur- day time for switch on on Sun- day	0 120 min 0 = no	UtL Purpos Constr Contai Catego Measu 75.0 x 5/16 ir Mounti Degree Conner fixed s mm² Maxim power digital Operat Storag Operat Pollutic Compli RoHS 2 Classifi to prot Power Earthir Rated Over-v Softwa	evaporous e of the uction of t	rator fa control f the co eat and s 59,0 m fixed sc hods fo rminal I 10 m (aperature rature rature f the co f t	PECIFI I device ontrol d fire res m (2 1! rew terir r the co provide control (32.8 ft) 32.8 ft) re the control control the corr and volity	cation evice stance 5/16 x 1 minal blo ntrol dev d by the or wires or conne WEEE	manual 5 5/16 x 2 cks rice covering up to 2.5 ction cable	function bullt-in-black, D. 75.0 x 3 3/16 to be 1 vided IP65 (plug-iring analog digital From 0 from - research 10 to to 2. LVD 20 class 60730 115 Hz), m none 2.5 KV III. A. 2 for Fupper	by sill comp - sw - che - sw - che - self-e x 33.0 6 in) w ffitted - self-e x 33.0 0 to 50 - self-e x 33.0 1 ill ac - 1 §2. 2 30 V - anax. 3.	encing the buzzer you delete ressor functioning hours litch the device off and on eck SPA and C14 atroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 / ith plug-in screw terminal blo to a panel, snap-in brackets plus in request). w terminal blocks for wires up n request). puts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F) midity without condensate f REACH (EC) Regulation 1907/2006 5/EU coording to standard EMC 7.5. ACC (+10% -15%), 50/60 Hz 2 VA insulated
58 59 60 61 62 63 64 65 No. 66 67 70 71 72 73 74 75 76	13 14 15 18 19 110 111 112 112 114 112 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114	0 1 1 3 240 0 0 0 DEF. 1 1 1 1 1 1 1 2 2	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Thurs- day time for switch on on Friday time for switch on on Satur- day time for switch on on Sun- day time for switch on on Sun- day time for time band 1 off	0 120 min 0 = no	Purposition of the control of the co	evaporous e of the uction of t	rator fa ICAL S control of the co eat and s 59,0 m fixed sc hods for mitted I 10 m	PECIFI I device ontrol d fire res on (2 1! rew teri r the co provide ength fi (32.8 ft) 32.8 ft) re control the cor control the cor y ructure	cATION evice stance 5/16 x 1 minal blo ntrol dev d by the or wires or conne WEEE device a shock	manual 5 5/16 x 2 cks rice covering up to 2.5 ction cable	function built-in black, D. 75.0 x 3 3/16 to be wided IP65 (plug-irr s analog digital From 0 10 to 0 2.5 mm. EU LVD 2: LVD 2: LVD 2: LVD 2: LVD 2: LVD 2: LYD 3: LYD 4: LYD 4: LYD 5: LYD 6: LYD 6: LYD 6: LYD 7: LY	by sill comp - sww - che - sww - che - swm	encing the buzzer you delete ressor functioning hours litch the device off and on eack SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1/vith plug-in screw terminal blo to a panel, snap-in brackets plus w terminal blocks for wires up in request). buts: 10 m (32.8 ft). 5 °C (from 32 to 131 °F) 70 °C (from -13 to 158 °F) midity without condensate for the properties of the pro
58 59 60 61 62 63 64 65 No. 66 67 N. 68 69 70 71 72 73 74 75	i3 i4 i5 i8 i9 i10 i11 i12 PAR. u0 u9 PAR. Hr0 Hd1 Hd2 Hd3 Hd4 Hd5 Hd6 Hd7 HOn1	0 1 1 3 240 0 0 0 DEF. 1 1 DEF. 0 1 1 1 1 2	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarms counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Thurs- day time for switch on on Satur- day time for switch on on Sun- day time for switch on on Sun- day time for time band 1 on	0 120 min 0 = no	Purpose Construction Contained Storage Operated Storage Operated Storage Operated Storage Operated Storage Operated Storage Operated Operated Storage Operated Operat	alarm evapor e of the uction of ner gry of he grey o	rator fa control co	PECIFI I device ontrol d fire res on (2 1) rew teri r the co provide (32.8 ft) 32.8 ft) re control the cor round the cor ructure or type: uremen ution:	evice istance 5/16 x 1 minal blo ntrol dev or wires or conne WEEE device abhock atrol devitage t field:	manual 5 5/16 x 2 cks rice covering up to 2.5 ction cable	function built-in black, D. 75.0 x 3 3/16 to be wided IP65 (plug-irr ss analog digital From 0 from - relative 2.5 mm ss analog digital IP5 (LVD 2: LVD	by sill comp - sww - che - sww - che - swm	encing the buzzer you delete ressor functioning hours litch the device off and on eack SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1/vith plug-in screw terminal bloot to a panel, snap-in brackets provided by the strong of
58 59 60 61 62 63 64 65 No. 66 67 70 71 72 73 74 75 76	13 14 15 18 19 110 111 112 112 114 112 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114 114	0 1 1 3 240 0 0 0 DEF. 1 1 1 1 1 1 1 2 2	pressure switch alarm reset enable photovoltaic system photovoltaic system input activation high pressure input activa- tion number of pressure switch alarms for unit blocked alarm counter reset time for pres- sure switch alarms pressure switch alarm delay from compressor-on time pre opening hot gas defrost valve fan off during pressure switch/unit blocked alarm DIGITAL OUTPUTS enable relay K2 and relay K4 inversion enable alarm buzzer CLOCK enable clock time for switch on on Mon- day time for switch on on Tues- day time for switch on on Thurs- day time for switch on on Friday time for switch on on Satur- day time for switch on on Sun- day time for switch on on Sun- day time for time band 1 off	0 120 min 0 = no	Purposition of the control of the co	alarm evapor e of the uction of ner gry of he grey o	rator fa ICAL S control of the co seat and ds 59.0 m fixed sc hods for 10 m (paperature rature ods for withst categor a and st s Sense Resol Sense	PECIFI I device ontrol d fire res on (2 1! rew teri r the co provide ength fi (32.8 ft) 32.8 ft) re control the cor control the cor y ructure	cATION evice stance 5/16 x 1 minal blo ntrol dev d by the or wires or conne WEEE device about	manual 5 5/16 x 2 cks rice covering up to 2.5 ction cable	functic built-in black, D. 75.0 x 3 3/16 to be vided IP65 (plug-ir 2.5 mr 2.5 mr 10 to	by sill component of the component of th	encing the buzzer you delete ressor functioning hours litch the device off and on eack SPA and C14 stroller tronic device xtinguishing. x 81.5 mm (2 15/16 x 1 5/1 / i/th plug-in screw terminal bloot to a panel, snap-in brackets provided by the strong of the strong o

EVCO S.p.A. EV3H94 Instruction sheet ver. 1.0 0			Code 1043H94E104 Page 5 of 6 PT 05/21			
	Pt 1000	Measurement field:	from -100 to 650 °C (from -148 to 999 °F)			

Pt 1000	Measurement field:		from -100 to 650 °C (from -148 to 999 °F)				
probes							
	Resolution:		0.1 °C (1 °F).				
Digital inputs			2 dry conta	ct (photovoltaic and multi-			
			purpose input))			
Dry contact		Contact type:		5 VDC, 1.5 mA			
		Power supply:		none			
		Protection:		none.			
Other inputs		can be configur	can be configured for analogue input (DHW tank lower probe)				
		or for digital input (high pressure input)					
Digital outputs		4 with electro-mechanical relay (compressor, defrost, fans					
		and heaters)					
Compressor rel	lay (K1)		SPST, 16 A res. @ 250 VAC				
Relay K2			SPST, 8 A res. @ 250 VAC				
Fan relay (K3)			SPST, 5 A res. @ 250 VAC				
Relay K4			SPST, 5 A res. @ 250 VAC				
Type 1 or Type 2 Actions			Type 1				
Additional features of Type 1 or Type 2 ac-			C.				
tions							
Displays			custom display, 3 digit, with function icons				
Alarm buzzer			Built-in				
Communication ports			1 TTL MODBUS slave port for EVconnect app,				
			EPoCA remote	monitoring system or for BMS			
Digital outputs Compressor rel Relay K2 Fan relay (K3) Relay K4 Type 1 or Type Additional feat tions Displays Alarm buzzer	2 Actions ures of Type 1	can be configur or for digital inp 4 with electro- and heaters)	sut (high pressurmechanical rel SPST, 16 A res SPST, 8 A res. SPST, 5 A res. SPST, 5 A res. Type 1 C. custom display Built-in	input (DHW tank lower probe) are input) ay (compressor, defrost, fans s. @ 250 VAC @ 250 VAC @ 250 VAC @ 250 VAC @ 250 VAC % 250 VAC Solve input in			



N.B.

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

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