Controller for bread and pizza deck ovens







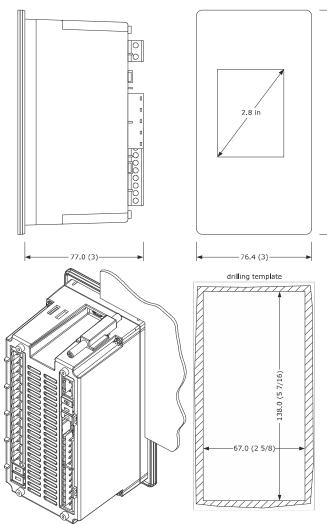
- power supply 115... 230 VAC or 24 VAC (according to the model)
- built-in clock
- chamber probe or top and floor probes (J/K or Pt 100 2-wire)
- multi-purpose inputs
- TTL MODBUS slave port for programming key, for EVconnect app, EPoCA remote monitoring system or for BMS
- INTRABUS master/slave port (deck centralized management)
- USB port (set up recipe book)
- independent regulation of the power or the top and floor temperature

Models available

models available				
Purchasing code	Power supply	Type of analogue inputs	Number of digital outputs	Type of digital outputs for top and floor
EV8314J9	115 230 VAC	for J/K thermo- couples or Pt 100 2-wire probes	4	electro- mechanical relay
EV8314J4	24 VAC	for Pt 100 2-wire probes and J/K thermocou- ples	4	electro- mechanical relay

MEASUREMENTS AND INSTALLATION

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



The tolerance of the measurements of the drilling template is +0.2 -0 mm.

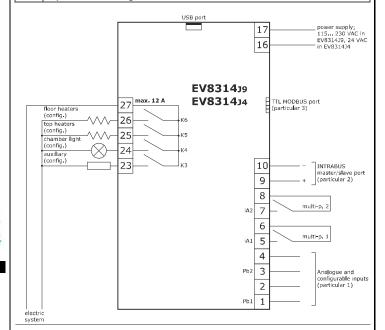
INSTALLATION PRECAUTIONS

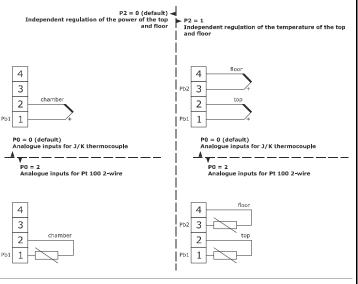
- the thickness of the panel must be between 0.8 and 5.0 mm (1/32 and 1/16 in)
- the maximum clamping torque applicable to the screwed-in brackets is 10 $\ensuremath{\mathrm{cNm}}$ ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFICATIONS section
- do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations
- 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.

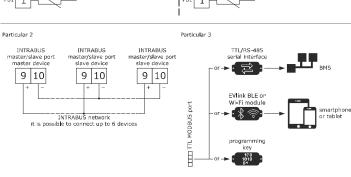
2 ELECTRICAL CONNECTION

N.B.

- use cables of an adequate section for the current running through them
- ensure that the thermocouple is properly insulated from contact with metal parts or use already insulated thermocouples
- if necessary, extend the thermocouple cables using compensating cables
- where they are two multi-purpose inputs, multi-purpose input 1 has priority over multi-purpose input 2
- the TTL MODBUS port can be used as an alternative to the USB port and vice versa 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.

FIRST-TIME USE

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

	Recomi	mended configuration parameters for firs	t-time use:
PAR.	DEF.	PARAMETER	MIN MAX.
PO	0	type of probe	0 = J 1 = K
			2 = Pt 100 2-wire
P1	0	unit of measurement	0 = °C 1 = °F
P2	0	operating logic	0 = independent regulation of the
			top and floor power
			1 = independent regulation of the
			top and floor temperature
r3	130	default chamber setpoint when con-	r1 r2
		figuring a phase	if P2 = 1, top setpoint
r6	130	default floor setpoint when configur-	r4 r5
		ing a phase	

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 with out powering up the device.
- For the connection in an RS-485 network connect the interface EVIF22TSX, 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. If EVIF22TSX is used, set parameter bLE to 0.
- Power up the device.

STAND-BY STOP (b)(c)(d) 0 ► INTERACTIVE 1 0 ► INTERACTIVE 2 display -0 ► INTERACTIVE 3 0 INTERACTIVE 4

Switching the device on/off

To switch the device on



USER INTERFACE AND MAIN FUNCTIONS

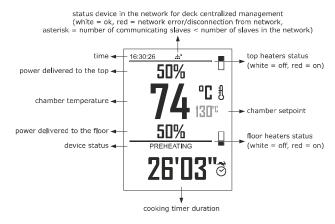
To switch the device off

Touch the ON/STAND-BY key for 3 s.

If the device is on and the operating logic has independent regulation of the top and floor power (P2 = 0, default), the display will show:

CHAMBER AUXILIARY

ENERGY



If the chamber setpoint has been reached, the status of the device will show "READY", if not, it will show "PRE-HEATING"

If the device is on and the operating logic has independent regulation of the top and floor temperature (P2 = 1), the display will show:

> status device in the network for deck centralized management (white = ok, red = network error/disconnection from network, asterisk = number of communicating slaves < number of slaves in the network) top heaters status top temperature floor temperature floor heaters status
> (white = off, red = on)

If the top and floor setpoints have been reached, the status of the device will show "READY", if

If the device is switched off, the display will show the time. If the weekly programmed switchon function is activated, the display will also show the day and time of the next switch-on and the programme that will start.

If the status of the device shows an alarm code, see the section ALARMS.

Starting up/interrupting the cooking cycle

To start up a cooking cycle: make sure that the device is switched on

make sure that the cooking timer is set

Touch the START/STOP key: the cooking timer will start up and the status of the device will show "COOKING". When the timer stops, it will show "END".

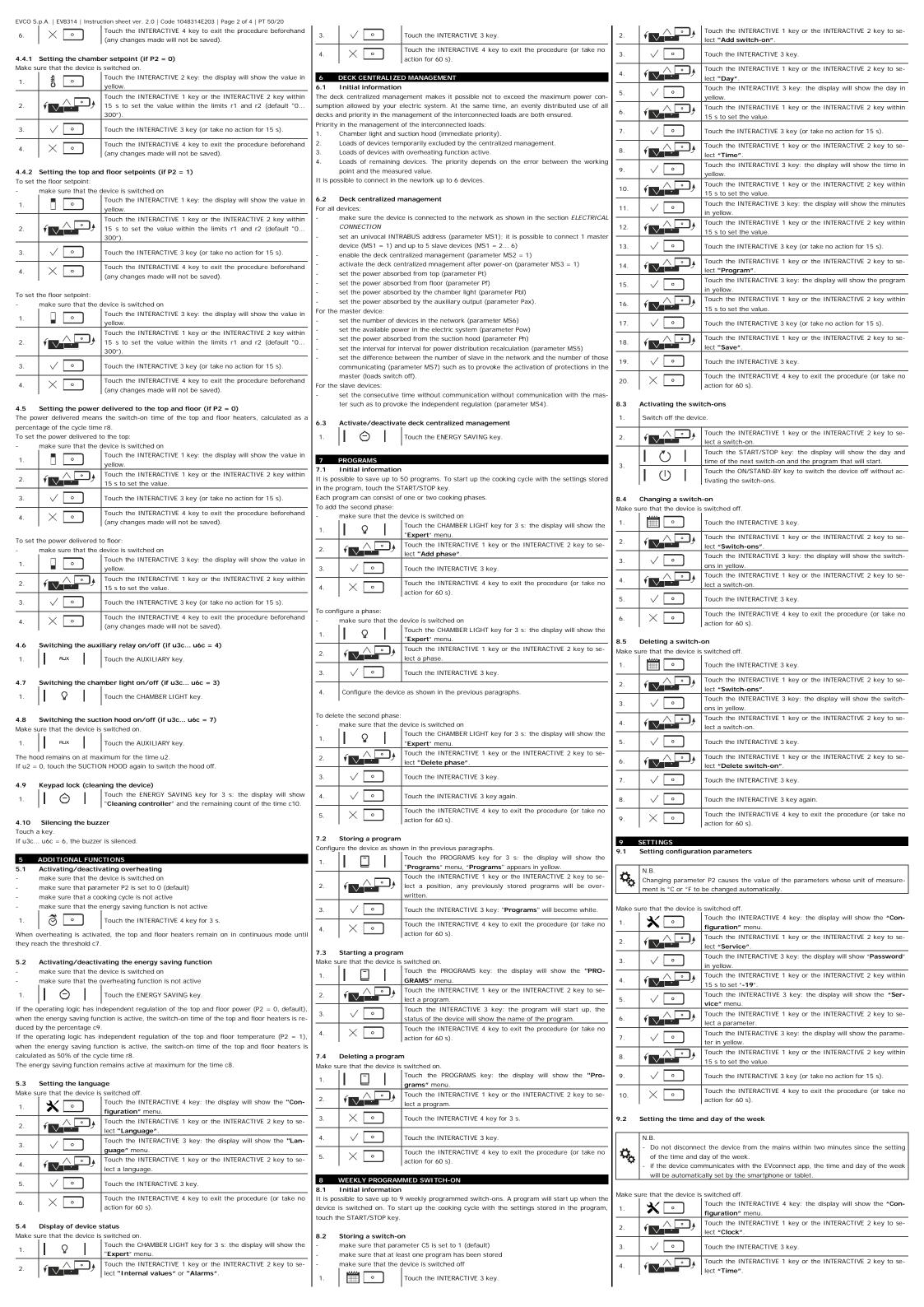


To interrupt the cooking cycle:

Make su	ire that the device is	switched on.
1.	* ⊙	Touch the INTERACTIVE 4 key: the display will show the minutes in yellow.
2.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
	· · · · · · · · · · · · · · · · · · ·	

Touch the INTERACTIVE 3 key (or take no action for 15 s).

2.	†	15 s to set the value.
3.	✓ ○	Touch the INTERACTIVE 3 key: the display will show the seconds in yellow.
4.	€ ° •	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.



				Touch the INTERACTIVE 3 key: the yellow.			
	√	<u> </u>	وك	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.			
	√ ° • • • • • • • • • • • • • • • • • •			Touch the INTERACTIVE 3 key: the display will show the minutes in yellow. Truch the INTERACTIVE 1 key or the INTERACTIVE 2 key within			
				Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.			
	✓ <u>•</u>			Touch the INTERACTIVE 3 key (or			
	1			Touch the INTERACTIVE 1 key or lect "Day".			
	√ •			Touch the INTERACTIVE 3 key: the yellow.			
	√	√ <u>^</u> .	وك	Touch the INTERACTIVE 1 key or 15 s to set the value.	the INTERACTIVE 2 key within		
	✓ ○			Touch the INTERACTIVE 3 key (or take no action for 15 s).			
	\rangle	(0		Touch the INTERACTIVE 4 key to action for 60 s).	exit the procedure (or take no		
	Rest	oring f	actory	settings (default)			
Ģ				ory settings are appropriate; see th	ne section CONFIGURATION PA-		
e su	ure th	at the d	device is	s switched off.	and the state of t		
	メ			Touch the INTERACTIVE 4 key: the figuration menu.			
	√	√ <u>}</u>	وك	Touch the INTERACTIVE 1 key or lect "Service".			
	~	/ 0	<u> </u>	Touch the INTERACTIVE 3 key: the in yellow.			
	√ N	<u> </u>	ول	Touch the INTERACTIVE 1 key or 15 s to set "149".			
		/ 0		Touch the INTERACTIVE 3 key: t vice" menu.	he display will show the "Ser-		
	√	\ <u>\</u>	٠	Touch the INTERACTIVE 1 key or lect "Restore default".	the INTERACTIVE 2 key to se-		
	~	/ 0		Touch the INTERACTIVE 3 key for tick.	or 3 s: the display will show a		
	×	(0		Touch the INTERACTIVE 4 key to (the reset will not be carried out).	exit the procedure beforehand		
	CON	FIGUR <u>/</u>	ATION	PARAMETERS			
					MIN MAX.		
	1	P0	0	type of probe	0 = J 1 = K 2 = Pt 100 2-wire		
	3	P1 P2	0	unit of measurement operating logic	$0 = {}^{\circ}C$ $1 = {}^{\circ}F$ 0 = independent regulation		
2					of the top and floor power 1 =independent regulation of the top and floor		
	4	CA1	0	chamber probe offset	temperature -25 25 °C/°F		
	5	CA2	0	floor probe offset	if P2 = 1, top probe offset -25 25 °C/°F		
	N. 6	PAR.	DEF.	REGULATION setpoint chamber differential	MIN MAX. 1 99 °C/°F		
				·	if P2 = 1, top setpoint and floor setpoint differential effective if r10 = 0		
	7	r1	0	minimum chamber setpoint	0 °C/°F r2 if P2 = 1, minimum top set-		
	8	r2	300	maximum chamber setpoint	point r1 999 °C/°F if P2 = 1, maximum top set- point		
	9	r3	130	default chamber setpoint when configuring a phase	r1 r2 if P2 = 1, top setpoint		
	10 11	r4 r5	0 300	minimum floor setpoint maximum floor setpoint	0 °C/°F r5 r4 999 °C/°F		
	12	r6	130	default floor setpoint when con- figuring a phase	r4 r5		
A	13	r7	0	constraint between top and floor powers	0 = disabled 1 = changing a power causes the other to be changed automatically so that the sum of the two is always 100		
	14	r8	80	cycle time for top and floor heaters on	1 999 s If P2 = 1, cycle time for top and floors heaters on in en- ergy saving mode If P2 = 1 and r10 > 0, cycle time P1		
	15	r9	0	minimum time top and floor heaters on and off	0 240 s we recommend > 10 s		
	16	r10	50 80	proportional band integral action time	0 99 °C/°F 0 = on-off control effective only if P2 = 1 0 999 s		
		Date	Des	CENEDAL CETTURO	0 = P control effective only if P2 = 1		
	N. 18	c0	15	GENERAL SETTINGS time buzzer on from end of cook-	MIN MAX. -1 120 s		
	19	c1	0	activate buzzer for 1 s at end of	-1 = until silencing 0 = no 1 = yes		
	20	c2	60	the cooking phase keyboard inactivity time to switch off the device from weekly programmed switch-on activation	0 240 min 0 = disabled		
	21	с3	10	high chamber temperature threshold for locked display	0 99 °C/°F chamber setpoint + c3		
	22	c4	10	(relative to chamber setpoint) low chamber temperature	0 = disabled 0 99 °C/°F		
				threshold for locked display (relative to chamber setpoint)	chamber setpoint - c4 0 = disabled		
	23	c5	1	enable weekly programmed switch-on	0 = no 1 = yes		
į,	24	с6	0	activate overheating at power-on	0 = no 1 = yes effective only if P2 = 0		
**	25	c7	150	chamber temperature threshold for end of overheating	0 999 °C/°F 0 = on reaching the working setpoint		
	26	c8	60	maximum duration of energy saving	effective only if P2 = 0 0 240 min 0 = until manual deactivation		
	27	с9	50	percentage times top and floor heaters on in energy saving mode	not effective if activated by digital input 0 100 % effective only if P2 = 0		
	28 29	c10 c11	10	duration of controller cleaning setting used at end of the cook-	1 120 s 0 = setting phase 1		
	47			poeting about at the metallical	10 00::::::::::::::::::::::::::::::::::		

_		N. 31	PAR.	DEF.	ALARMS temperature alarm switch off dif-	MIN MAX. 1 99 °C/°F
					ferential high temperature alarm thresh-	0 500 00 05
-		32	A1 A2	0	old high temperature alarm delay	0 500 °C/°F 0 240 min
-		34	A3	0	and delay after modifying set- point high temperature alarm type	0 = disabled
-					Ting. temperature dia type	1 = absolute 2 = relative to setpoint
-		35	A4	70	high operating temperature alarm threshold	0 88 °C/175 °F 0 = disabled
- _		36	A5	240	power failure duration due to interruption of cooking cycle	0 240 min 0 = disabled
-		N. 37	PAR.	DEF.	DIGITAL INPUTS activation multi-purpose input 1	MIN MAX. 0 = with contact closed
-		38	i1	2	multi-purpose input 1 function	1 = with contact open 0 = disabled
						1 = suction hood on (door open alarm)
,						2 = top and floor heaters off, suction hood on (door
						open alarm) 3 = switches device on/off
]						4 = top and floor heaters off (thermal switch alarm) 5 = energy saving activa-
		39	i2	0	door open alarm delay and ther-	tion/deactivation 0 120 s
-	-	37	12		mal switch alarm delay from multi-purpose input 1	0 120 \$
-		40	i3	0	multi-purpose input 2 activation	0 = with contact closed 1 = with contact open
-		41	i4	4	multi-purpose input 2 function	0 = disabled 1 = suction hood on (door
-						open alarm) 2 = top and floor heaters off,
-						suction hood on (door open alarm)
-						3 = switches device on/off 4 = top and floor heaters off
-						(thermal switch alarm) 5 = energy saving activa-
		42	i5	0	door open alarm delay and ther-	tion/deactivation 0 120 s
_					mal switch alarm delay from multi-purpose input 2	
		N. 43	PAR. u2	DEF. 10	DIGITAL OUTPUTS time suction hood on	MIN MAX. 0 999 s
-		44	u3	0	switch the chamber light on	0 = switching on/off by key 0 = yes 1 = no
		45	u4	0	switching the device on switch the chamber light off	0 = yes 1 = no
		46	u8	0	switching the device off activate chamber light flashing	0 = no 1 = yes
-					for 10 s at end of the cooking cy-	
-		47	u3c	4	K3 output configuration	0 = disabled 1 = top heaters
-						2 = floor heaters 3 = chamber light
						4 = auxiliary 5 = on/stand-by 6 = sound
-		48	u4c	3	K4 output configuration	7 = suction hood 0 = disabled
		48			K4 output configuration	I U = disabled
_	34			,		1 = top heaters
-	×			3		1 = top heaters 2 = floor heaters 3 = chamber light
- -	*			3		1 = top heaters 2 = floor heaters
- - -	*	49	u5c	1	K5 output configuration	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by
- - - -	*	49				1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood
-	*	49				1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters
-	*	49				1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound
-	*	49				1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled
-	*		u5c	1	K5 output configuration	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters
-	*		u5c	1	K5 output configuration	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 2 = floor heaters 3 = chamber light 4 = auxiliary
-	*		u5c	1	K5 output configuration	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound
-	*	50 N.	u5c u6c	2 DEF.	K5 output configuration K6 output configuration	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX.
-	*	50	u5c u6c	2	K5 output configuration K6 output configuration	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud
-	*	50 N. 51	u5c u6c PAR. LA	1 2 DEF. 247	K5 output configuration K6 output configuration MODBUS MODBUS address	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud
	*	50 N. 51 52	u5c u6c PAR. LA Lb	DEF. 247 3	K5 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud MIN MAX.
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- - - - - -	*	N. 51 52 N. 53	u5c u6c PAR. LA Lb PAR. MS1 MS2	DEF. 247 3 DEF. 1	K5 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
- - - - - -	* Id	N. 51 52 N. 53 54 55	u5c u6c PAR. LA Lb PAR. MS1 MS2 MS3	DEF. 247 3 DEF. 1 O	K5 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management activate deck centralized management after power-on	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no 1 = yes 0 = no 1 = yes
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	*	N. 51 52 N. 53 54 55 56 57 58	u5c u6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5	DEF. 247 3 DEF. 1 O 30 30 2	K5 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no 1 = yes 10 240 s 5 999 s 1 6
	* Id	N. 51 52 N. 53 54 55 56	u5c u6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4	DEF. 247 3 DEF. 1 0 0 30 30	K6 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and num-	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
	*	N. 51 52 N. 53 54 55 56 57 58	u5c u6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5	DEF. 247 3 DEF. 1 O 30 30 2	K6 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves in the network and number of slaves communicating for master protections (master loads	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
	*	N. 51 52 N. 53 54 55 56 57 58	u5c u6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5	DEF. 247 3 DEF. 1 O 30 30 2	K5 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation for power distribution recalculation for power distribution recalculation for power distribution recalculation for power distrib	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
	*	N. 51 52 55 56 57 58 59	u5c u6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7	DEF. 247 3 DEF. 1 0 30 30 2 1	K6 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
	* dd	N. 51 52 N. 53 54 55 56 57 58 59	u5c u6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7	DEF. 247 3 DEF. 1 0 0 30 30 2 1	K6 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
	*	50 N. 51 52 N. 53 54 55 56 57 58 59 60 61	u5c u6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7	DEF. 247 3 DEF. 1 0 30 30 2 1	K6 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
	*	N. 51 52 56 57 58 59 60 61 62	u5c u6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7	DEF. 247 3 DEF. 1 O 30 30 2 1 9999 O 0	K5 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from floor	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
	★	N. 51 52 N. 53 54 55 66 60 61 62 63	U5c U6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7	DEF. 247 3 DEF. 1 O O 30 30 2 1 999 O O O	K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
	☆	50 N. 51 52 N. 53 54 55 56 57 58 59 60 61 62 63 64	U5c U6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 Pow Pt Pf Ph PbI	DEF. 247 3 DEF. 1 0 30 30 2 1	K6 output configuration K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation interval for power distribution recalculation interval for power distribution recalculation with master for independent regulation interval for power distribution recalculation with master for independent regulation interval for power distribution recalculation aumber of devices in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the suction hood absorbed power from chamber light	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
		N. 51 52 56 57 58 59 60 61 62 63 64 65	U5c U6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7	DEF. 247 3 DEF. 1 0 30 30 2 1 9999 0 0 0 0	K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the suction hood absorbed power from chamber light absorbed power from auxiliary output	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no
	★	N. 51 52 56 57 58 59 60 61 62 63 64 65 N. 66	U5c U6c PAR. LA Lb PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 Pow Pt Ph Ph Ph Ph Ph PAX PAR. PA1	DEF. 2477 3 3 DEF. 1 0 0 30 30 2 1 1 9999 0 0 0 0 DEF. 426	K6 output configuration MODBUS MODBUS address MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the suction hood absorbed power from chamber light light bassword SICUREZZE level 1 password	1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = auxiliary 5 = on/stand-by 6 = sound 7 = suction hood MIN MAX. 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no

	N.	PAR.	DEF.	DATA-LOGGING EVLINK	MIN MAX.
	68	bLE	1	serial port configuration for con-	0 = free
				nectivity	1 = forced for EVconnect or
छि					EPoCA
					2-99 = EPoCA local network
					address
	69	rE0	5	data-logger sampling interval	0 240 min
	70	rF1	1	recorded temperature	0 = none 1 = all

RESET	
RESET	
	TO CORRECT
automatic	- check PO
automatic	- check the integrity of the probe
automatic	- check electrical connection
automatic	check operating temperature
manual	set time and day of the week
automatic	check A1 and A3
automatic	check A1 and A3
automatic	check A1 and A3
automatic	check A4
automatic	check i0, i1, i3 and i4
manual	- touch a key
	- check A5
	- check electrical connection
manual	check i0, i1, i3 and i4
manual	check i0, i1, i3 and i4
manual	check i0, i1, i3 and i4
IS	
func	tion controller.
	automatic amanual manual manual

Maximum permitted length for connection cables:	12 TECHNIC	AL SPECIFICA				
Construction of the control device: bilack, self-extinguishing.			TIONS			
Housing: Black, self-extinguishing: Data and fire resistance: To 4. x 148.4 x 77.0 mm (3 x 5 13/16 in). Mounting methods for the control device: IP65 (front). Image: IP65 (front).	Purpose of the co	ontrol device:		function contro	iller.	
Category of heat and fire resistance: Measurements:	Construction of t	he control devic	e:	built-in electro	nic device.	
Measurements:	Housing:			black, self-extinguishing.		
In).	Category of heat	and fire resista	nce:	D.		
Mounting methods for the control device: to be fitted to a panel, screwed-in brack provided. Degree of protection provided by the covering: Connection method: plug-in screw terminal blocks for wires up to 2.5 mm² Maximum permitted length for connection cables: power supply: 10 m (32.8 ft) digital inputs: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft) Operating temperature: from 0 to 60 °C (from 32 to 140 °F). Storage temperature: from 0 to 60 °C (from 32 to 140 °F). Pollution status of the control device: 3. Compliance: ROHS 2011/65/EC WEEE 2012/19/EU REACH (EC) Regulation 1907/2006 EMC 2014/30/EU LVD 2014/35/EU. Power supply: 15 230 VAC (+10% -15%), 50/60 Hz (±3 hmax. in EV8314J4 Earthing methods for the control device: none. Rated impulse-withstand voltage: 2.5 KV Over-voltage category: II. Software class and structure: A. Clock: built-in secondary lithium battery. Clock battery autonomy in the absence of a power supply: 24 h at 25 °C (77 °F). Clock battery dharging time: 24 h at 25 °C (77 °F). Clock battery charging time: 24 h (the battery is charged by the posupply of the device). Analogue inputs: 1 and you have a probe or top and fi probes: Resolution: 1 °C (1 °F). K thermocouples: Resolution: 1 °C (1 °F). K thermocouples: 1 and you have a probe of top and fi probes: Resolution: 1 °C (1 °F). Measurement field: from 0 to 700 °C (from 32 to 999 °F). Pt 100 probes: Resolution: 1 °C (1 °F). In fine one of the probes: 1 °C (1 °F). Measurement field: from 0 to 999 °C (from 32 to 999 °F). Pt 100 probes: 1 °C (1 °F). Weet 10 of 10 °C (from 32 to 999 °F). Pt 100 probes: 1 °C (1 °F). Weet 20 °C (from 32 to 999 °F). Pt 100 probes: 2 °C (from 32 to 999 °F). Pt 100 probes: 3 °C (from 32 to 999 °F). Pt 100 probes: 3 °C (from 32 to 999 °F). Pt 100 probes: 3 °C (from 32 to 999 °F). Pt 100 probes: 3 °C (from 32 to 999 °F). Pt 100 probes: 3 °C (from 32 to 999 °F). Pt 100 probes: 3 °C (from 32 to 999 °F). Pt 100 probes: 3 °C (fro	Measurements:			76.4 x 148.4	x 77.0 mm (3 x 5 13/16 x 3	
Degree of protection provided by the covering:				in).		
Ing:	Mounting method	ds for the contro	ol device:	l	a panel, screwed-in bracket	
Connection method: plug-in screw terminal blocks plug-in screw terminal blocks plug-in screw terminal blocks provides up to 2.5 mm²	-	ction provided	by the cover-	IP65 (front).		
Maximum permitted length for connection cables: power supply: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft)		od:		ı		
Maximum permitted length for connection cables: power supply: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft) Operating temperature: from 0 to 60 °C (from 32 to 140 °F). Storage temperature: from 0 to 60 °C (from -13 to 158 °F). Operating humidity: relative humidity without condensate ft 10 to 90%. Pollution status of the control device: 3. Compilance: REACH (EC) Regulation 1907/2006 EMC 2014/30/EU			Pico-Blade cor	nnector	female Micro USB connector	
Dower supply: 10 m (32.8 ft) analogue inputs: 10 m (32.8 ft) digital inputs: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft) Doperating temperature: from 0 to 60 °C (from 32 to 140 °F). Storage temperature: from -25 to 70 °C (from -13 to 158 °F). Pollution status of the control device: 3. Compliance: REACH (EC) Regulation 1007/2006 REACH (EC) Regulation 1907/2006 EMC 2014/30/EU LVD 2014/35/EU. REACH (EC) Regulation 1907/2006 LVD 2014/35/EU. Power supply: 115 230 VAC (+10% -15%), 50/60 Hz (±3.8 max. in EV8314J9	•		onnection cable	es:		
digital inputs: 10 m (32.8 ft) digital outputs: 10 m (32.8 ft) Operating temperature: from 0 to 60 °C (from 32 to 140 °F). Storage temperature: from 0 to 60 °C (from 32 to 140 °F). Operating humidity: relative humidity without condensate ft 10 to 90%. Pollution status of the control device: 3.	•		ormootion sabie	1	s: 10 m (32.8 ft)	
Departing temperature: from 0 to 60 °C (from 32 to 140 °F).						
Storage temperature: Operating humidity: Operating humidity: Pollution status of the control device: RoHS 2011/65/EC WEEE 2012/19/EU REACH (EC) Regulation 1907/2006 EMC 2014/30/EU Power supply: LVD 2014/35/EU. 115 230 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J9 24 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J9 115 230 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J9 24 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J9 115 24 hz (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J9 24 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J4 24 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J4 24 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J4 24 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J4 24 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J4 24 VAC (+10% -15%), 50/60 Hz (±3 Hmax. in EV8314J4 24 VAC (+10% -15%),						
Pollution status of the control device: 3.						
10 to 90%.				i		
Name				10 to 90%.	my without condensate from	
REACH (EC) Regulation 1907/2006		of the control de	vice:	3.		
1907/2006	•	-	1		T	
Power supply:	RoHS 2011/65/E	C	WEEE 2012/1	9/EU 	_	
Hz), max. in EV8314J9 24 VAC (+10% -15%), 50/60 Hz (±3 H max. in EV8314J4 Earthing methods for the control device: Rated impulse-withstand voltage: Over-voltage category: Software class and structure: Clock: Clock drift: Clock drift: Clock battery autonomy in the absence of a power supply: Clock battery charging time: 24 h (the battery is charged by the posupply of the device). Analogue inputs: 25 for J/K thermocouples or Pt 100 2-v probes (chamber probe or top and fiprobes). J thermocouples: Resolution: K thermocouples: Resolution: T °C (1 °F). Measurement field: Resolution: T °C (1 °F). Measurement field: Resolution: T °C (1 °F). Measurement field: Resolution: T °C (1 °F). Digital inputs: J dry contact (multi-purpose 1 and multi-purpose 2). Dry contact: Contact type: Protection: Digital outputs: A with electro-mechanical relay (K3K6 relays). SPST, 8 A res. © 250 VAC. Type 1 or Type 2 actions: Alarm buzzer: Built-in sensors: J (operating temperature).	EMC 2014/30/EU	J		LVD 2014/35/E	EU.	
Earthing methods for the control device: Rated impulse-withstand voltage: Over-voltage category: Software class and structure: Clock: Clock built-in secondary lithium battery. Clock drift: Clock battery autonomy in the absence of a power supply: Clock battery charging time: Clock battery charging time: Analogue inputs: Anal	Power supply:			115 230 VAC	C (+10% -15%), 50/60 Hz (±3	
max. in EV8314J4 Earthing methods for the control device: Rated impulse-withstand voltage: Over-voltage category: II. Software class and structure: Clock:				Hz), max. in E\	/8314J9	
Earthing methods for the control device: Rated impulse-withstand voltage: Over-voltage category: Software class and structure: Clock: Uilt-in secondary lithium battery. Software class and structure: A. Clock built-in secondary lithium battery. Software class and structure: Software class and structure: A. Line secondary lithium battery. Software class and structure: Software class and structure: A. Line secondary lithium battery. Software class and structure: A. Line secondary lithium battery. Software class and structure: A. Line secondary lithium battery. Software class and structure: A. Line secondary lithium battery. Software class and structure: A. Line secondary lithium battery. Software class and structure: Software class and structure: A. Line secondary lithium battery. Software class and structure: Software class and structure: A. Line secondary lithium battery. Software class and structure: Software class and structure: A. Line secondary lithium battery. Software class and structure: Software class and structure: Software class and structure: A. Line secondary lithium battery. Software class and structure. Software class and structure: A. Line secondary lithium battery. Software class and structure. Software class and structure. Line secondary lithium battery. Software class and structure. Software class and structure. Line secondary lithium battery. Software class and structure. Software class and structure. Line secondary lithium battery. Software class and structure. Line secondary lithium battery. Software class and structure. Line secondary lithium battery. Software class and structure secondary lit				24 VAC (+109	% -15%), 50/60 Hz (±3 Hz)	
Rated impulse-withstand voltage: Over-voltage category: Software class and structure: A. Clock: Duilt-in secondary lithium battery. Software class and structure: A. Clock drift: Software class and structure: A. Duilt-in secondary lithium battery. Software class and structure: A. Duilt-in secondary lithium battery. Software class and structure: A. Duilt-in secondary lithium battery. Software class and structure: A. Duilt-in secondary lithium battery. A. Duilt-in secondary lithium battery. Software class and structure: A. Duilt-in secondary lithium battery. Software class and structure: A. Duilt-in secondary lithium battery. Software class and structure: A. Duilt-in secondary lithium battery. Software class and structure. Software class and structure. A. Duilt-in secondary lithium battery. Software class and structure. A. Duilt-in secondary lithium battery. Software class and structure. Software class and stage				max. in EV8314J4		
Over-voltage category: Software class and structure: Clock: Clock drift: Clock battery autonomy in the absence of a power supply: Clock battery charging time: Clock battery charging time: Clock battery charging time: Clock battery charging time: 24 h (the battery is charged by the posupply of the device). Analogue inputs: 25 for J/K thermocouples or Pt 100 2-words (chamber probe or top and fiprobes). From 0 to 700 °C (from 32 to 999 °F). K thermocouples: Resolution: 1 °C (1 °F). Measurement field: Resolution: 1 °C (1 °F). Measurement field: Resolution: 1 °C (1 °F). Tom 0 to 650 °C (from 32 to 999 °F). In of 0 to 650 °C (from 32 to 999 °F). Tom 0 to 650 °C (from 32 to 999 °F). In one. Digital inputs: 1 dry contact (multi-purpose 1 and multi-purpose 2). Contact type: Protection: In one. Digital outputs: 4 with electro-mechanical relay (K3K6 relays). SPST, 8 A res. @ 250 VAC. Type 1 or Type 2 actions: Additional features of Type 1 or Type 2 actions: Displays: Alarm buzzer: Built-in. Built-in. Line (light) battery. Alarm buzzer: Built-in sensors: 1 (operating temperature).	Earthing method	s for the contro	l device:	none.		
Software class and structure: Clock: Clock drift: S = 60 s/month at 25 °C (77 °F). Clock battery autonomy in the absence of a power supply: Clock battery charging time: Clock battery charging time: Clock battery charging time: 24 h (the battery is charged by the posupply of the device). Analogue inputs: 25 for J/K thermocouples or Pt 100 2-v probes (chamber probe or top and fiprobes). Analogue inputs: Analogue	Rated impulse-w	ithstand voltage	e:	2.5 KV		
Clock: Clock drift: Clock battery autonomy in the absence of a power supply: Clock battery charging time: Analogue inputs: J thermocouples: Resolution: K thermocouples: Measurement field: Resolution: The thermocouples: Analogue inputs: To to 100 probes: Measurement field: Resolution: To to 100 probes: Digital inputs: J dry contact: Contact type: Digital outputs: Additional features of Type 1 or Type 2 actions: Displays: Alarm buzzer: Built-in secondary lithium battery. ≤ 60 s/month at 25 °C (77 °F). ≤ 60 s/month at 25 °C (77 °F). ≥ 24 h (the battery is charged by the posupply of the device). 24 h (the battery is charged by the posupply of the device). 25 for J/K thermocouples or Pt 100 2-v probes (chamber probe or top and find from 0 to 700 °C (from 32 to 999 °F). Pt 100 probes: Measurement field: From 0 to 700 °C (from 32 to 999 °F). From 0 to 650 °C (from 32 to 999 °F). From 0 to 650 °C (from 32 to 999 °F). To 'C (1 °F). Pt 100 probes: Alarm buzzer: Built-in. Built-in. J (operating temperature).	Over-voltage cat	egory:		11.		
Clock drift: ≤ 60 s/month at 25 °C (77 °F). Clock battery autonomy in the absence of a power supply: Clock battery charging time: 24 h (the battery is charged by the posupply of the device). Analogue inputs: 2 for J/K thermocouples or Pt 100 2-v probes (chamber probe or top and fl probes). J thermocouples: Resolution: 1 °C (1 °F). K thermocouples: Resolution: 1 °C (1 °F). K thermocouples: Resolution: 1 °C (1 °F). Pt 100 probes: Resolution: 1 °C (1 °F). Pt 100 probes: 1 dry contact (multi-purpose 1 and multi-purpose 2). Digital inputs: 1 dry contact (multi-purpose 1 and multi-purpose 2). Dry contact: Contact type: 3.3 V, 1 mA Protection: none. Digital outputs: 4 with electro-mechanical relay (K3K6 relays). K3K6 relay: SPST, 8 A res. @ 250 VAC. Type 1 or Type 2 actions: 1 (operating temperature). Built-in. Built-in sensors: 1 (operating temperature).	Software class ar	nd structure:		A.		
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Pt 100 probes: Measurement field: from 0 to 650 °C (from 32 to 999 °F). Resolution: 1 °C (1 °F). Digital inputs: 1 dry contact (multi-purpose 1 and multi-purpose 2). Dry contact: Contact type: 3.3 V, 1 mA Protection: none. Digital outputs: 4 with electro-mechanical relay (K3K6 relays). K3K6 relay: SPST, 8 A res. @ 250 VAC. Type 1 or Type 2 actions: Type 1. Additional features of Type 1 or Type 2 actions: Displays: 2.8 inch TFT colour graphic display. Displays: built-in. Built-in sensors: 1 (operating temperature).	ples:	Resolution:		1		
Resolution: 1 °C (1 °F). Digital inputs: 1 dry contact (multi-purpose 1 and multi-purpose 2). Dry contact: 2 Contact type: 3.3 V, 1 mA Protection: none. Digital outputs: 4 with electro-mechanical relay (K3K6 relays). K3K6 relay: SPST, 8 A res. @ 250 VAC. Type 1 or Type 2 actions: Type 1. Additional features of Type 1 or Type 2 actions: C. Displays: 2.8 inch TFT colour graphic display. Alarm buzzer: built-in. Built-in sensors: 1 (operating temperature).	Pt 100 probes:		field:	from 0 to 650 °C (from 32 to 999 °F).		
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Additional features of Type 1 or Type 2 actions: Displays: Alarm buzzer: Built-in sensors: Communications ports:	rolay .	actions				
tions: Displays: 2.8 inch TFT colour graphic display. Alarm buzzer: built-in. Built-in sensors: 1 (operating temperature). Communications ports:			or Type 2 ac			
Displays: 2.8 inch TFT colour graphic display. Alarm buzzer: built-in. Built-in sensors: 1 (operating temperature). Communications ports:	Type 1 or Type 2	ES OF TVDG 1	or type 2 dc-] .		
Alarm buzzer: built-in. Built-in sensors: 1 (operating temperature). Communications ports:	Type 1 or Type 2 Additional featur	es or Type 1		2.0 inch TET o	olour graphic display	
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Communications ports:	Type 1 or Type 2 Additional featur tions: Displays:	es or Type 1				
	Type 1 or Type 2 Additional featur tions: Displays: Alarm buzzer:	es or Type 1		built-in.		
TILL MODBUS slave port for [1] INTRABUS master/slave [1] USB port (set up red	Type 1 or Type 2 Additional featur tions: Displays: Alarm buzzer: Built-in sensors:			built-in.		
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N.B.

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

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