EV8318

Controller for bread and pizza deck ovens







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 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 or shocks
- in compliance with safety regulations, the device must be installed properly to ensure adequate protection from contact with electrical parts. All protective parts must be fixed in such a way as to need the aid of a tool to remove them.

3.	The tes Configu	on func the pro	tion is a stion is ac gramme		
	Recom	mended configuration parameters for firs	t-time use:	n the s	latus or t
PAR.	DEF.	PARAMETER	MIN MAX.	12	Starting
PO	0	type of probe	0 = J 1 = K	To star	
			2 = Pt 100 2-wire	-	make su
P1	0	unit of measurement	$O = °C \qquad 1 = °F$	-	make su
P2	0	operating logic	 0 = independent regulation of the top and floor power 1 = independent regulation of the top and floor temperature 	1.	
r3	130	default chamber setpoint when con-	r1 r2	To inte	rrupt the
		figuring a phase	if P2 = 1, top setpoint		
r6	130	default floor setpoint when configur-	r4 r5	1.	
		ing a phase			
4. 5. 6. 7.	Then cl <i>TION P.</i> Disconr Make th out pov When c relative Power t	heck that the remaining settings are ap ARAMETERS. hect the device from the mains. he electrical connection as shown in the vering up the device. connecting to an RS-485 network, con instruction sheets. up the device.	propriate; see the section <i>CONFIGURA</i> - section <i>ELECTRICAL CONNECTION</i> with- nect the EVIF22TSX interface. See the	4.3 Make s 1. 2. 3. 4. 5.	Setting ure that t So [V V V V V
					1 -

Power up the device as set out in the section ELECTRICAL CONNECTION: an internal

AND INSTALLATION.

test will start up.

2

iot, it will show "**PRE-HEATING**

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

the device shows an alarm code, see the section ALARMS.

up/interrupting the cooking cycle

oking cycle

ire that the device is switched on

ire 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".

cooking cycle:



Touch the START/STOP key for 1 s.

the cooking timer

the device is switched on

ð 🗅		Touch the INTERACTIVE 4 key: the display will show the minutes in yellow.
$\mathbf{f} \mathbf{\nabla}^{\wedge}$	ر	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 seconds in yellow.
	ر	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).

EVCO S	.p.A. EV8318 Instru	ction sheet ver. 3.2 Code 1048318E323 Page 2 of 4 PT 26/19							
6.	\times \circ	Touch the INTERACTIVE 4 key to exit the procedure beforehand (any changes made will not be saved).		LABEL opn	DESCRIPTION vent open during the cooking cycle and for time u1 at the end of	6.4 1		rary exclu	Ision of a device from the deck centralized management
					the cycle	1.	11		Touch the energy SAVING Key for 3 S.
4.4.1 Make s	ure that the device i	s switched on.			vent closed during the cooking cycle and at the end of the cycle Touch the INTERACTIVE 3 key: the display will show the seconds	7	PROGR	AMS	
1.	fl 💿	Touch the INTERACTIVE 2 key: the display will show the value in vellow.	4.		in yellow.	7.1	Initial ossible to	information save up t	on p 50 programs. To start up the cooking cycle with the settings stored
	$ \frown $	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within	5.		15 s to set the value.	in the	program	, touch the	START/STOP key.
2.		300°).	6.	✓ □	Touch the INTERACTIVE 3 key (or take no action for 15 s).	To add	the sec	ond phase:	or one or two cooking phases.
3.	✓ <u>○</u>	Touch the INTERACTIVE 3 key (or take no action for 15 s).	7.	× ¬	Touch the INTERACTIVE 4 key to exit the procedure beforehand	-	make s	ure that th	e device is switched on Touch the CHAMBER LIGHT key for 3 s: the display will show the
4.	X •	Touch the INTERACTIVE 4 key to exit the procedure beforehand			(any changes made will not be saved).	1.			"Expert" menu.
		(any changes made will not be saved).	4.9	Switching the cha	amber light on/off (if u1c u8c = 3) 	2.	\mathbf{t}	<u>^ • j</u>	louch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect "Add phase".
4.4.2	Setting the top an	d floor setpoints (if P2 = 1)	1.		Touch the CHAMBER LIGHT key.	3.	\checkmark	•	Touch the INTERACTIVE 3 key.
-	make sure that the	device is switched on	4.10	Switching the suc	ction hood on/off (if u1c u8c = 7)	4.	×	•	Touch the INTERACTIVE 4 key to exit the procedure (or take no
1.		Touch the INTERACTIVE 1 key: the display will show the value in yellow.	Make s	sure that the device	is switched on.		1		action for 60 s).
2		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value within the limits $r1$ and $r2$ (default "0	1. The he		Touch the SUCTION HOOD key.	To cont	figure a make s	phase: ure that th	e device is switched on
		300").	If u2 =	= 0, touch the SUCTI	ON HOOD again to switch the hood off.	1.		₽ I	Touch the CHAMBER LIGHT key for 3 s: the display will show the
3.	✓ ○	Touch the INTERACTIVE 3 key (or take no action for 15 s).	4.11	Keypad lock (clea	aning the device)	2		$\overline{\land \circ}$	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-
4.	\times \circ	Touch the INTERACTIVE 4 key to exit the procedure beforehand (any changes made will not be saved).	1.		Touch the SUCTION HOOD key for 3 s: the display will show "Cleaning controller" and the remaining count of the time c10.				lect a phase.
-		(,				3.		<u> </u>	Touch the INTERACTIVE 3 key.
-	make sure that the	device is switched on	4.12 S Touch	Silencing the buzze a key.	r	4.	Config	ure the dev	vice as shown in the previous paragraphs.
1.	•	Touch the INTERACTIVE 3 key: the display will show the value in yellow.	lf u1c.	u8c = 10, the buz	zer is silenced.	To dele	ete the s	econd phas	e:
		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within	5	ADDITIONAL FUN	CTIONS	-	make s	ure that th	e device is switched on
۷.		300").	ə.1 -	make sure that the	device is switched on	1.		₽	"Expert" menu.
3.	 ✓ □ 	Touch the INTERACTIVE 3 key (or take no action for 15 s).	-	make sure that par make sure that a co	ameter P2 is set to 0 (default) poking cycle is not active	2.	٢V	$\wedge \bigcirc j$	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect "Delete phase".
4.	X •	Touch the INTERACTIVE 4 key to exit the procedure beforehand	-	make sure that the	energy saving function is not active	3.		•	Touch the INTERACTIVE 3 key.
		(any changes made will not be saved).	1.	ð Lo	Touch the INTERACTIVE 4 key for 3 s.				Touch the INTERACTIVE 2 key again
4.5 The po	Setting the power	delivered to the top and floor (if P2 = 0) s the switch-on time of the top and floor heaters, calculated as a	When they re	overheating is active each the threshold c	ated, the top and floor heaters remain on in continuous mode until 7.	4.			Touch the INTERACTIVE 3 key again.
percen	tage of the cycle tim	e r8.	5.2	Activating /deacti	vating the energy saving function	5.		•	action for 60 s).
- -	make sure that the	device is switched on	-	make sure that the	device is switched on	7.2	Storing	g a progra	m
1.	•	Touch the INTERACTIVE 1 key: the display will show the value in yellow.	-	make sure that the	overheating function is not active	Configu	ure the o	levice as sl	nown in the previous paragraphs.
2.	(\land)	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within	I. If the	operating logic has i	ndependent regulation of the top and floor power ($P2 = 0$, default)	1.			"Programs" menu, "Programs" appears in yellow.
3		Touch the INTERACTIVE 3 key (or take no action for 15 s)	when	the energy saving fu	nction is active, the switch-on time of the top and floor heaters is re-	2.	$\mathbf{f} \nabla$	$\wedge \circ$	lect a position, any previously stored programs will be over-
		Touch the INTERACTIVE 4 key to exit the procedure beforehand	To qui	ckly set the percentage c	9. ge reduction c9:				written.
4.		(any changes made will not be saved).	-	make sure that the	device is switched on Touch the ENERGY SAVING key for 3 s: the display will show the	3.			Touch the INTERACTIVE 3 key: "Programs" will become white.
To set	the power delivered	to floor:	1. 		value in yellow	4.	$ \times$	0	action for 60 s).
-	make sure that the	device is switched on Touch the INTERACTIVE 3 key: the display will show the value in	2.		15 s to set the value.	7.3	Startin	g a progra	am
1.		yellow.	3.	 ✓ ○ 	Touch the INTERACTIVE 3 key (or take no action for 15 s).	Make s	sure that	the device	is switched on.
2.		15 s to set the value.	If the	operating logic bas	independent regulation of the top and floor temperature ($D_2 = 1$)	1.			GRAMS" menu.
3.		Touch the INTERACTIVE 3 key (or take no action for 15 s).	when	the energy saving fu	unction is active, the switch-on time of the top and floor heaters is	2.	\checkmark	<u>^ - j</u>	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect a program.
4.	\times \circ	Touch the INTERACTIVE 4 key to exit the procedure beforehand (any changes made will not be saved)	Calcula The er	ated as 50% of the c nergy saving function	ycle time r8. I remains active at maximum for the time c8.	3.		•	Touch the INTERACTIVE 3 key: the program will start up, the status of the device will show the name of the program
			5.3	Setting the langu	age	4.	X	•	Touch the INTERACTIVE 4 key to exit the procedure (or take no
4.6 Make s	Switching the ste	am generator on/off (if u1c u8c = 4) s switched on.	Make	sure that the device	is switched off.		1		action for 60 s).
1.	€ BOPF	Touch the STEAM GENERATOR key.	1.	★ •	figuration" menu.	7.4 Make s	Deletir	ng a progr	am is switched on.
47	Steam injection (i		2.	$\int $	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect "Language".	1.		-	Touch the PROGRAMS key: the display will show the "Pro-
⊣./ If a coo	oking cycle is not act	lve:	3.	V •	Touch the INTERACTIVE 3 key: the display will show the "Lan-	2			Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-
-	make sure that the make sure that the	device is switched on steam generator is switched on			Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-				lect a program.
1.	∈રે	Touch the STEAM INJECTION key without releasing it.	-		lect a language.	3.			I ouch the INTERACTIVE 4 key for 3 s.
The inj	ector will be activate	d for as long as they key is held down.	5.		Touch the INTERACTIVE 3 key.	4.	\checkmark	•	Touch the INTERACTIVE 3 key.
If a coo	oking cycle is active:		6.		action for 60 s).	5.	$ $ \times	•	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).
-	make sure that the	steam generator is switched on	5.4	Display of device	status	0			
1. The ini	ector will automatics	I OUCH THE STEAM INJECTION Key.	Make :	sure that the device	is switched on.	8.1	Initial	informati	on
plied by	y the number of cycl	es t10.	1.		"Expert" menu.	It is po device	is switc) save up t hed on. To	9 weekly programmed switch-ons. A program will start up when the start up the cooking cycle with the settings stored in the program,
If P3 = is "ena	 2, the injector will ble steam injection" 	be activated provided the function of the multi-purpose input 1 or 2 (i1 or $i4 = 6$) and that the input is active.	2.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect "Internal values" or "Alarms".	touch t	the STAF	RT/STOP ke	у.
If P3 = the thr	 3, the injector will l eshold t3. 	be activated provided the temperature of the steam is no lower than	3.	 ✓ 	Touch the INTERACTIVE 3 key.	8.2	Storing	g a switch	-on
Te	motion":	a laborator at start un of assistant and	4.	\times \bigcirc	Touch the INTERACTIVE 4 key to exit the procedure (or take no	-	make s	ure that pa	least one program has been stored
-	make sure that the	e injector at start-up or cooking cycle: device is switched on				-	make s	ure that th	e device is switched off
-	make sure that the		6 6.1	DECK CENTRALIZ	ED MANAGEMENT	1.			Touch the INTERACTIVE 3 key.
1.	≒%	TOUCH THE STEAM INJECTION KEY.	The de	eck centralized mana	agement makes it possible not to exceed the maximum power con-	2.	٢V		lect "Add switch-on".
2.	Start up the cookir	g cycle.	sumpt decks	and priority in the m	electric system. At the same time, an evenly distributed use of all anagement of the interconnected loads are both ensured.	3.	\checkmark	•	Touch the INTERACTIVE 3 key.
To quic	kly set times t8, t9 :	and the number of cycles t10:	Priority 1.	y in the managemen Steam generator, c	t of the interconnected loads: hamber light and suction hood (immediate priority).	4.	۲.	<u>^ • ; • ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; </u>	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-
-	make sure that the	device is switched on	2.	Loads of devices te	mporarily excluded by the centralized management.	5			Touch the INTERACTIVE 3 key: the display will show the day in
1.	= Jorf	the "Steam" menu.	3. 4.	Loads of remaining	g devices. The priority depends on the error between the working	J.			yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within
		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within	1	point and the meas	sured value.	6.	Í	ولتسبد	

1	= 11 ON	Touch the STEAM GENERATOR key for 3 s: the display will
1.	~ 3.000	the "Steam" menu.
		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key v

	$ \sim \sim \sim \sim \sim$		point and the measured value.	0.		15 s to set the value.
2.		15 s to select a label (the availability of the labels depends on parameter t7).	It is possible to connect in the newtork up to 6 devices.	7.	 ✓ ○ 	Touch the INTERACTIVE 3 key (or take no action for 15 s).
	LABEL	DESCRIPTION	6.2 Deck centralized management			Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se
	T On	t8 (steam injection time on)	For all devices: - make sure the device is connected to the network as shown in the section <i>ELECTRICAL</i> 9.	8.	í ∕.°.∮	lost "Time"
	T Off	t9 (steam injection time off)				Teuch the INTERACTIVE 2 loss the disclosu will show the time in
	Cycles	t10 (number of steam injection automatic cycles)		9.	\checkmark \circ	vellow
	Steam gen	status of steam generator at start-up of cooking cycle (on, off,	- set an univocal INTRABUS address (parameter MS1); it is possible to connect 1 master			Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within
	otouni goin	man. = the same status as the previous phase)	device ($iiis T = T$) and up to 5 slave devices ($iiis T = 26$)	10.	Ý V	15 s to set the value.
3.	 ✓ ○ 	Touch the INTERACTIVE 3 key: the display will show the value in yellow.	 enable the deck centralized management (parameter MS2 = 1) activate the deck centralized management after power-on (parameter MS3 = 1) 	11.	\checkmark \circ	Touch the INTERACTIVE 3 key: the display will show the minutes
		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within	 set the power absorbed from top (parameter Pt) 			in yellow.
4.		15 s to set the value.	 set the power absorbed from floor (parameter Pf) set the power absorbed by the chamber light (parameter Pbl) 	12.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
5.	\checkmark \circ	Touch the INTERACTIVE 3 key (or take no action for 15 s).	For the master device: - set the number of devices in the network (parameter MS6)	13.	√ ∘	Touch the INTERACTIVE 3 key (or take no action for 15 s).
6.	\times \circ	Touch the INTERACTIVE 4 key to exit the procedure beforehand (any changes made will not be saved).	 set the available power in the electric system (parameter Pow) set the power absorbed from the suction hood (parameter Ph) 	14.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect "Program".
4.8 Make s	Opening/closing t	he vent (if u1c u8c = 6)	 set the power absorbed from the steam generator (parameter Pb) set the type of steam generator (parameter Pbt) 	15.	✓ ○	Touch the INTERACTIVE 3 key: the display will show the program in yellow.
1.		Touch the VENTING key.	 set the interval for interval for power distribution recalculation (parameter MS5) set the difference between the number of slave in the network and the number of those 	16.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
To set	the amount of time fo	for the vent to open in advance at the end of the cooking cycle:	communicating (parameter MS7) such as to provoke the activation of protections in the master (loads switch off).	17.	\checkmark \circ	Touch the INTERACTIVE 3 key (or take no action for 15 s).
-	make sure that the make sure that a co	device is switched on oking cycle is not active	For the slave devices: - set the consecutive time without communication without communication with the mas-	18.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect "Save".
1.	[¤]	Touch the VENTING key for 3 s: the display will show the "Vent- ing" menu.	ter such as to provoke the independent regulation (parameter MS4).	19.	\checkmark \circ	Touch the INTERACTIVE 3 key.
2.	 ✓ ○ 	Touch the INTERACTIVE 3 key: the display will show the minutes in yellow.	1. Image: Construction of the constr	20.	\times •	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).
3.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value or a label.				
			1	I		

EVCO S. 8.3	.p.A. EV8318 Instru Activating the swi	ction sheet ver. 3.2 Code 1048318E323 Page 3 of 4 PT 26/19 tch-ons					Touch the INTERACTIVE 4 key to	exit the procedure beforehand	l	41	t10	3	number of automatic steam in-	-1 20
1.	Switch off the device	æ.	8.	/			(the reset will not be carried out)						jection cycles default	-1 = until generator is
2.	$(\land \circ)$	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-	10	CON	FIGUR	ATION	PARAMETERS							if $t7 = 0$ or 1, number of
		Touch the START/STOP key: the display will show the day and		N.	PAR.	DEF.	ANALOGUE INPUTS	MIN MAX.		Ν.	PAR.	DEF.	ALARMS	MIN MAX.
3.		time of the next switch-on and the program that will start.		1	PO	0	type of probe	0 = J $1 = K$		42	AO	10	temperature alarm switch off dif-	1 99 °C/°F
		louch the ON/STAND-BY key to switch the device off without ac- tivating the switch-ons.		2	P1	0	unit of measurement	$2 = Pt 100 2 - wire$ $0 = °C \qquad 1 = °F$		43	A1	0	high temperature alarm thresh-	0 500 °C/°F
8.4	Changing a switch	-on		3	P2	0	operating logic	of the top and floor		44	A2	0	old high temperature alarm delay	0 240 min
1.		Switched off.						power 1 = independent regulation					and delay after modifying set- point	
2		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-						of the top and floor temperature		45	A3	0	high temperature alarm type	0 = disabled 1 = absolute
		lect "Switch-ons". Touch the INTERACTIVE 3 key: the display will show the switch-		4	P3	1	type of steam injection	0 = disabled 1 = manual and automatic		46	A4	70	high operating temperature	2 = relative to setpoint 0 88 °C/175 °F
3.		ons in yellow.	0					(with t8, t9 and t10) if		17			alarm threshold	0 = disabled
4.		lect a switch-on.		'				2 = manual and automatic (with t8 t9 and t10)		47	A5	240	terruption of cooking cycle	0 = disabled
5.	✓ □	Touch the INTERACTIVE 3 key.						with digital input active		N. 48	PAR. i0	DEF.	DIGITAL INPUTS activation multi-purpose input 1	MIN MAX. 0 = with contact closed
6.	\times \circ	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).						3 = manual and automatic		49	i1	6	multi-purpose input 1 function	1 = with contact open 0 = disabled
8.5	Deleting a switch-	on						thermoregulated (with					(option 6 effective only if P3 = 2)	1 = suction hood on (door open alarm)
Make si	ure that the device is	switched off.						t1, t2 and t3) and if generator is on						2 = steam injection off, top and floor heaters off,
1.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-		5	CA1	0	chamber probe offset	-25 25 °C/°F if P2 = 1, top probe offset						suction hood on (door
2.		lect "Switch-ons".		6	CA2	0	floor probe offset	-25 25 °C/°F						3 = switches device on/off
3.	✓ □	ons in yellow.		N.	PAR.	DEF.	REGULATION	MIN MAX.						4 = steam generator off, top and floor heaters off
4.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect a switch-on.		8	rO	5	setpoint chamber differential	1 99 °C/°F if P2 = 1, top setpoint and						(thermal switch alarm) 5 = energy saving activa-
5.	√ ○	Touch the INTERACTIVE 3 key.						floor setpoint differential effective if r10 = 0						tion/deactivation 6 = enable steam injection
6.	$\mathbf{f} \mathbf{v} \mathbf{v}$	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect "Delete switch-on"		9	r1	0	minimum chamber setpoint	$0 \circ C/\circ F r^2$ if P2 = 1, minimum top set-		50	i2	0	door open alarm delay and ther-	7 = steam injection
7.	\checkmark \circ	Touch the INTERACTIVE 3 key.		10	r2	300	maximum chamber setpoint	point r1 999 °C/°F					mal switch alarm delay from	
8.	\checkmark	Touch the INTERACTIVE 3 key again.						if P2 = 1, maximum top set-		51	i3	0	multi-purpose input 2 activation	0 = with contact closed
9.		Touch the INTERACTIVE 4 key to exit the procedure (or take no		11	r3	130	default chamber setpoint wher	r1 r2		52	i4	6	multi-purpose input 2 function	0 = disabled
		action for 60 s).		12	r4	0	minimum floor setpoint	11 P2 = 1, top setpoint 0 °C/°F r5					(option 6 effective only if P3 = 2)	1 = suction hood on (door open alarm)
9 9.1	SETTINGS Setting configurat	ion parameters		13	r5	300	maximum floor setpoint default floor setpoint when con-	r4 999 °C/°F r4 r5						2 = steam injection off, top and floor heaters off,
	N B	·		14	r6 r7	130	figuring a phase	0 – disabled						suction hood on (door open alarm)
Ö,	Changing paramete	er P2 causes the value of the parameters whose unit of measure-	¥				powers	1 = changing a power						3 = switches device on/off
	ment is °C or °F to	be changed automatically.						changed automatically						and floor heaters off
Make s	ure that the device is	switched off. Touch the INTERACTIVE 4 key: the display will show the "Con-						so that the sum of the two is always 100						(thermal switch alarm) 5 = energy saving activa-
1.		figuration" menu. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-		16	r8	80	cycle time for top and floor heat- ers on	1 999 s if P2 = 1, cycle time for top						tion/deactivation 6 = enable steam injection
2.		lect "Service".						and floors heaters on in en-		53	i5	0	door open alarm delay and ther-	7 = steam injection
3.		in yellow.						if $P2 = 1$ and $r10 > 0$, cycle					mal switch alarm delay from	
4.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set "-19".		17	r9	0	minimum time top and floor	0 240 s		N.	PAR.	DEF.	DIGITAL OUTPUTS	MIN MAX.
5.	 ✓ 	Touch the INTERACTIVE 3 key: the display will show the "Ser-vice" menu.		18	r10	50	heaters on and off proportional band	we recommend > 10 s 0 99 °C/°F		54	u0	0	opening vent	0 = with contact closed 1 = with contact open
6.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select a parameter.						0 = on-off control effective only if $P2 = 1$		55	u1	10	time vent open from end of cook- ing cycle	0 600 s -1 = open until closed by
7.	 ✓ ○ 	Touch the INTERACTIVE 3 key: the display will show the parame-		19	r11	80	integral action time	0 999 s 0 = P control		56	u2	10	time suction hood on	pressing key 0 999 s
8.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within		NI	DAD	DEE	CENEDAL SETTINGS	effective only if P2 = 1		F.2	114	60	operating temperature threat-1-1	0 = switching on/off by key
0		To s to set the value.		20	c0	15	time buzzer on from end of cook-	-1 120 s					when electronics compartment	fans always on with device on
10		Touch the INTERACTIVE 4 key to exit the procedure (or take no		21	c1	0	activate buzzer for 1 s at end or	-1 = until silencing 0 = no 1 = yes						mode
TU.		action for 60 s).		22	c2	60	the cooking phase	0 240 min		58 59	u7 u8	10 0	u6 differential activate chamber light flashing	1 99 °C/°F 0 = no 1 = yes
9.2	Setting the time a	nd day of the week					switch off the device from weekly	0 = disabled					for 10 s at end of the cooking cy-	
Ö .	N.B.	he davice from the mains in the two minutes ofter acting the time		22	c3	10	programmed switch-on activation	0 99 °C/°F		60	u1c	4	K1 output configuration	0 = disabled 1 = top heaters
~ 0	and day of the wee	k.					threshold for locked display	chamber setpoint + c3 0 = disabled						2 = floor heaters 3 = chamber light
Make si	ure that the device is	switched off.		24	c4	10	low chamber temperature	0 = uisableu 0 99 °C/°F						4 = steam generator
1.	★	Touch the INTERACTIVE 4 key: the display will show the "Con- figuration" menu.					threshold for locked display (relative to chamber setpoint)	chamber setpoint - c4 0 = disabled						 s = steam injection e venting
2.	$\mathbf{f} \mathbf{\nabla} \mathbf{\hat{f}}$	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect "Clock"	~	25	c5	1	enable weekly programmed switch-on	0 = no 1 = yes						7 = suction hood 8 = electronics compartment
3.	✓ <u> </u>	Touch the INTERACTIVE 3 key.	~ \$	26	c6	0	activate overheating at power-on	0 = no $1 = yeseffective only if P2 = 0$						fans 9 = on/stand-by
4.	√ ^ • ,	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-		27	c7	150	chamber temperature threshold	0 999 °C/°F 0 = on reaching the working		61	u2c	5	K2 output configuration	10 = sound 0 = disabled
5.		Touch the INTERACTIVE 3 key: the display will show the time in					is the or overheating	setpoint						1 = top heaters 2 = floor heaters
6		yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within		28	c8	60	maximum duration of energy	0 240 min	×					3 = chamber light 4 = steam generator
		15 s to set the value. Touch the INTERACTIVE 3 key: the display will show the minutes					saving	υ = until manual deactiva- tion						5 = steam injection 6 = venting
1.		in yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within						not effective if activated by digital input						7 = suction hood
8.		15 s to set the value.		29	c9	50	percentage reduction time top and floor heaters on in energy	0 100 % effective only if P2 = 0						o = electronics compartment
9.		Touch the INTERACTIVE 3 key (or take no action for 15 s).					saving mode	·						9 = on/stand-by 10 = sound

10.	f A of	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- lect "Day".
11.	 ✓ □ 	Touch the INTERACTIVE 3 key: the display will show the day in yellow.
12.	f	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
13.	 ✓ ○ 	Touch the INTERACTIVE 3 key (or take no action for 15 s).
14.	\times \circ	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).
9.3	Restoring factory	settings (default)

	N.B.
$ \mathbf{V}_{n} $	Check that the factory settings are appropriate; see the section CONFIGURATION PA
~	RAMETERS.

Make sure that the device is switched off.

1	*	Touch the INTERACTIVE 4 key: the display will show the "Con-
1.		figuration" menu.
2		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-
Ζ.		lect "Service".
2		Touch the INTERACTIVE 3 key: the display will show "Password"
3.		in yellow.
4	\frown	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within
4.		15 s to set " 149 ".
-		Touch the INTERACTIVE 3 key: the display will show the "Ser-
5.		vice" menu.
,	\frown	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-
6.		lect "Restore default".
-		Touch the INTERACTIVE 3 key for 3 s: the display will show a
7.		tick.

	31	c11	0	setting used at end of the cook-	0 = setting phase 1
				ing phase	1 = last settings
	Ν.	PAR.	DEF.	STEAM INJECTION	MIN MAX.
	32	t1	100	steam setpoint	0 500 °C/°F
	33	t2	5	steam setpoint differential	1 99 °C/°F
	34	t3	50	steam temperature threshold for	0 999 °C/°F
				injection stoppage (relative to	steam setpoint - t3
				steam setpoint)	injection available on reach-
					ing steam setpoint
	35	t4	1	activate automatic steam injec-	0 = no 1 = yes
				tion cycles at start-up of cooking	
				cycle	
	36	t5	1	deactivate automatic steam in-	0 = no 1 = yes
				jection cycles at end of cooking	
				cycle	
3	37	t6	0	steam generator on at power-on	0 = no 1 = yes
0	38	t7	2	time available with quick setting	0 = injection time on
				of automatic steam injection cy-	1 = injection time on and in-
				cles	jection time off
					2 = injection time on, injec-
					tion time off and number
					of automatic cycles
					3 = injection time on and
					number of automatic cy-
	20	10			cies
	39	18	2	steam injection default time on	1 99 S
	40	+0	10	steam injection default time off	1 000 c
	40	19	10	with quick actting	i 999 S
				WITH HUCK SETTING	off

1... 120 s

30 c10 **10** duration of controller cleaning

62	U3C	D	K3 output conliguration	 0 = oisabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartment fans 9 = on/stand-by 10 = sound
63	u4c	3	K4 output configuration	0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartment fans 9 = on/stand-by 10 = sound

EVCO S	.p.A.	EV8318	Instru	KE output	ver. 3.2 Co	ode 1048318E3	23 Page 4 of 4 PT 26/19	Pollution status	of the control d	wico:	2	
	04	usc		K5 Outpu	it connguia		1 = top heaters	Compliance:		evice:	3.	1
							2 = floor heaters 3 = chamber light	RoHS 2011/65/	EC	WEEE 2012/19	9/EU	REACH (EC) Regulation N. 1907/2006
							4 = steam generator	EMC 2014/30/E	U		LVD 2014/35/	EU.
							6 = venting	Power supply:			115 230 VA Hz), max, in E	C (+10% -15%), 50/60 Hz (±3 V8318J9
							7 = suction hood 8 = electronics compartment				24 VAC (+10	% -15%), 50/60 Hz (±3 Hz),
							fans	Earthing metho	ds for the contro	l device:	none.	8J4
							9 = on/stand-by 10 = sound	Rated impulse-v	withstand voltag	e:	2.5 KV	
	65	u6c	2	K6 outpu	ut configurat	tion	0 = disabled	Over-voltage ca Software class a	ategory: and structure:		П. А.	
							1 = top heaters 2 = floor heaters	Clock:			built-in second	lary lithium battery.
							3 = chamber light 4 - steam generator	Clock drift: Clock battery a	autonomy in the	absence of a	≤ 60 s/month > 24 h at 25 °	at 25 °C (77 °F). °C (77 °F).
							5 = steam injection	power supply:				
							6 = venting 7 = suction bood	Clock battery ch	narging time:		24 h (the bat supply of the c	tery is charged by the power device).
							8 = electronics compartment	Analogue inputs	5:		2 for J/K the	rmocouples or Pt 100 2-wire
							fans 9 - on/stand-by				probes (cham probes).	nber probe or top and floor
							10 = sound	J thermocou-	Measurement	field:	from 0 to 700	°C (from 32 to 999 °F).
	66	u7c	7	K7 outpu	ut configurat	tion	0 = disabled	ples:	Resolution: Measurement	field	1 °C (1 °F). from 0 to 999	°C (from 32 to 999 °F)
							2 = floor heaters	ples:	Resolution:	neid.	1 °C (1 °F).	
							3 = chamber light	Pt 100 probes:	Measurement	field:	from 0 to 650	°C (from 32 to 999 °F).
							5 = steam injection	Digital inputs:	Resolution:	1 dry contact	(multi-purpose	2).
							6 = venting	Dry contact:		Contact type:	· · · ·	3.3 V, 1 mA
							 8 = electronics compartment 	Other inputs:		Protection:	ured for analog	none.
							fans			tal input (mul	ti-purpose inpu	t 1).
							9 = on/stand-by 10 = sound	Digital outputs:		8 with electro	-mechanical rel	lay (K1K8 relays).
	67	u8c	8	K8 outpu	ut configura	tion	0 = disabled			<u>15 A.</u>		ment permitted for loads is
		1					 1 = top heaters 2 = floor heaters 	K1 relay:			SPST, 16 A re	es. @ 250 VAC.
		1					3 = chamber light	K2K7 relay : K8 relay:			SPDT, 8 A res	s. @ 250 VAC.
		1					4 = steam generator5 = steam injection	Type 1 or Type	2 actions:		Type 1.	
		1					6 = venting	Additional featu tions:	ures of Type 1	or Type 2 ac-	C.	
		1					<i>i</i> = suction hood8 = electronics compartment	Displays:			2.8 inch TFT	colour graphic display.
		1					fans	Alarm buzzer: Built-in sensors	:		built-in.	temperature).
							9 = on/stand-by 10 = sound	Communication	s ports:			
	N.	PAR.	DEF.	MODBUS			MIN MAX.	1 TTL MODBUS	slave port for	1 INTRABUS	master/slave	1 USB port (set up recipe
	68 69	LA Lb	247 3	MODBUS	address baud rate		1 247 0 = 2,400 baud	programming K		agement)	ni alizeu Than-	book).
Ia							1 = 4,800 baud					
							2 = 9,600 baud 3 = 19,200 baud					
	N.	PAR.	DEF.	CENTRAL	IZED MANA	GEMENT	MIN MAX.					
	70	MS1	1	INTRABU	JS address		1 6 1 – dispositivo master					
	71	MS2	0	enable (deck centr	alized man-	0 = no $1 = yes$					
	70	MCO		agement	dook oopt	rolizod mon	0 00 1 100					
	/2	10153		agement	after powe	ralized man- r-on	0 = no 1 = yes					
	73	MS4	30	consecuti	ive time v	vithout com-	10 240 s					
		pendent regulation			ster for inde-							
	74	MS5	30	interval f	for power di	istribution re-	5 999 s					
	75	MS6	1	number o	on of devices ir	n the network	1 6					
	76	MS7	1	difference	e between	number of	1 5					
				slaves in ber of sl	n the netwo laves comm	ork and num-	if number of communicating					
*				master p	protections	(master loads	signs the not communicating					
				off)			slaves a power equivalent to					
	77	Pow	999	available	power in	the electric	0 999 KW					
	70	D+		system	hower from	n ton	0					
	/8	PL	0	absorbed	a power nor	пор	for its deck					
	79	Pf	0	absorbed	d power fror	n floor	0 9999 W x 10					
	80	Ph	0	absorbed	d power from	m the suction	0 9999 W x 10					
				hood			in common					
	81	Рb	0	generato	i power fro vr	m the steam	0 9999 W x 10 for its deck or in common					
	82	Pbt	0	steam ge	enerator typ	e	0 = for its deck					
	83	Pbl	0	absorbed	d power fr	om chamber	1 = In common 0 9999 W x 10					
		1		light	"		for its deck					
11	ALA	RMS										
1.4.2					DECET	TO						
Cham	ber p	robe			Automatic	- chec	k PO					
Top pr	obe		_		automatic	chec	k the integrity of the probe					
_ <u>⊦ioor</u> µ Steam	probe n prob	e e			automatic automatic	- chec	Released to the test of te					
Board	prob	e			automatic	check c	perating temperature					
time fl	iashin	ng			manual	set time	e and day of the week					
Cham	ber h	igh tem	Э.		automatic	check A	1 and A3					
Top hi	igh te hiab t	mp. temp			automatic	check A	1 and A3					
Contro	oller h	nigh tem	ıp.		automatic	check A	.4					
Door	foll				automatic	check i), i1, i3 and i4					
ruwer	iaiiU	10			manual	- toucl - chec	k A5					
Therm	nal ev	/itch			manual	- chec	k electrical connection					
Top th	ierma	al switch			manual	check i	D, i1, i3 and i4					
Floor t	therm	nal switc	h		manual	check i	D, i1, i3 and i4					
12	TECI	HNICAL	SPECI	FICATION	NS							
Purpor	se of	the cont	rol dev	ice:		function contr	oller.					
Constr	ructio	n of the	contro	device:		built-in electro	onic device.					
Housin	ng:		od C	ioni-t		black, self-ext	inguishing.					
Measu	ory of ireme	ents:	iu fire r	esistance:		о. 76.4 x 148.4	x 77.0 mm (3 x 5 13/16 x 3					
	1.		for ''	005	vior	in).						
Mount	ing m	nethods	ror the	control dev	vice:	to be fitted to provided.	о a panel, screwed-in brackets					
Degre	e of	protecti	on prov	ided by th	he cover-	IP65 (front).						
ing: Conne	ection	method	l:									
plug-ir	n scr	ew terr	ninal b	locks Pico	o-Blade con	nector	female Micro USB connector.					
for wir	res up	o to 2.5	mm² d lepath	for conne	oction cable	· · · · · · · · · · · · · · · · · · ·						
power	supp	oly: 10 n	n (32.8	ft)	Stron cables	analogue inpu	ts: 10 m (32.8 ft)					
digital	inpu ting (ts: 10 m	n (32.8	ft)		digital outputs	s: 10 m (32.8 ft)					
Storad	ang t ge ter	mperatu	re:			from -25 to 7	C (nom 32 to 140 °F). <u>2 °C (fro</u> m -13 to 158 °F).					
Opera	ting h	numidity	:			relative humi	dity without condensate from					
						10 to 90%.		1				

N.B.

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

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