## Controller for bread and pastry convection ovens







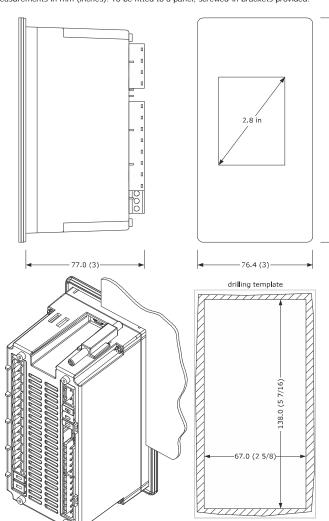
- power supply 115... 230 VAC or 24 VAC (according to the model)
- built-in clock
- chamber probe (J/K or Pt 100 2 wires)
- multi-purpose inputs
- PWM analogue output for EVCO speed regulator
- TTL MODBUS slave port for programming key, for EVconnect app, EPoCA remote monitoring system or for BMS
- USB port (set up recipe book, add and personalise languages, update firmware)

## Models available

Purchasing code	Power supply	Type of analogue in- puts	Number of digital outputs
EV8338J9	115 230 VAC	for J/K thermocou- ples or Pt 100 2-wire probes	8
EV8338J4	24 VAC	for Pt 100 2-wire probes and J/K thermocouples	8

# MEASUREMENTS AND INSTALLATION

nts 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.

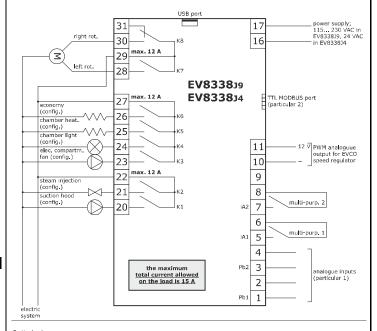
# INSTALLATION PRECAUTIONS

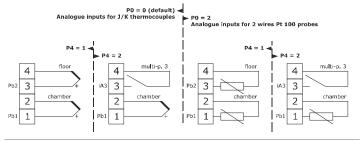
- the thickness of the panel must be between 0.8 and 5.0 mm (1/32 and 3/16 in)
- the maximum tightening torque applicable to the screwed-in brackets is 10  $\ensuremath{\text{Nm}}$ ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFICATIONS section
- do not install 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.

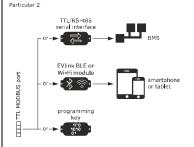
## 2 ELECTRICAL CONNECTION

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 there are three multi-purpose inputs, multi-purpose input 1 has priority over multi-purpose input 2 and multi-purpose input 3
- 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.







Example of electrical connection with fan modulating with PWM driving signal, with frequency tracking and with inversion of the fan direction, for EVCO inverter speed regulator (F0 = 4).

# COMPATIBLE EVCO CUT PHASE SPEED REGULATORS

- EVC95E00X7XXX00 (650 W) EVC99E00X7XXX01 (950 W)
- COMPATIBLE EVCO INVERTER SPEED REGULATORS
- EI750M2C04O0VXX (750 W) EI1K5M2C04O0VXX (1,5 kW)
- E12K2M2C04O0VXX (2.2 kW)
- EI2K3M2C04O0VXX (2,3 kW)

# 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

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

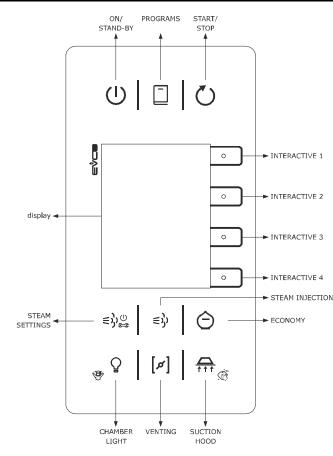
# Recommended configuration parameters for first-time use:

PAR.	DEF.	PARAMETER	MIN MAX.		
PAR.	DEF.	PARAIVIETER	IVITN IVIAX.		
PO	PO <b>0</b> type of probe		0 = J $1 = K$		
			2 = Pt 100 2-wire		
P1	0 unit of measurement		0 = °C 1 = °F		
r3 130 chamber setpoint		chamber setpoint	r1 r2		

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

- Disconnect the device from the mains
- Make the electrical connection as shown in the section ELECTRICAL CONNECTION, without 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.

## 4 USER INTERFACE AND MAIN FUNCTIONS



## 4.1 Switching the device on/off

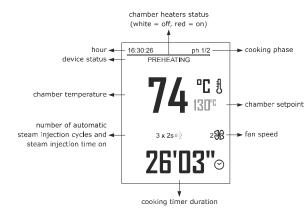
To switch the device on



To switch the device off



If the device is switched on, the display will show:



If the chamber setpoint in pre-heating mode has been reached, the status of the device will show "READY", if not, it will show "PRE-HEATING". If the last programme started up was manual, the status of the device will show "MANUAL". If the last cooking cycle was a recipe, the status of the device will show the name of the recipe.

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.

# 4.2 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:



Touch the START/STOP key for 1 s.

# Adding cooking minutes (4 maximum) to the final phase of a finished cycle

Touch the INTERACTIVE 4 key. Take no action for 5 s.

#### 4.4 Setting the cooking timer Make sure that the device is switched on.

Touch the INTERACTIVE 4 key: the display will show the minutes

1	1. 💮 🕒		in yellow.
		<b>∠</b> ∧ • •	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within
	2.	,	15 s to set the value.
	3.	/ [	Touch the INTERACTIVE 3 key: the display will show the seconds
		ر پ	in yellow.
1		<b>∠</b> _ ∧ • •	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within
	4.		15 s to set the value.
	5.	✓ •	Touch the INTERACTIVE 3 key (or take no action for 15 s).
	6.	× ·	Touch the INTERACTIVE 4 key to exit the procedure beforehand (any changes made will not be saved).
, ,			

# 4.5 Setting the chamber setpoint

Make su	Make sure that the device is switched on.						
1	# 🙃	Touch the INTERACTIVE 2 key: the display will show the value in					
1.	ر ا	yellow.					
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 "0 300").					
3.	√ °	Touch the INTERACTIVE 3 key (or take no action for 15 s).					
		Touch the INTERACTIVE A key to exit the procedure beforehand					

(any changes made will not be saved).

## 4.6 Steam injection (if u1c... u8c = 6)

If a cooking cycle is not active:

make sure that the device is switched on

Touch the STEAM INJECTION key without releasing it.

The injector will be activated for as long as the key is held down.

## If a cooking cycle is active:

1.	(€)		Touch the STEAM INJECTION key.
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The injector will automatically be activated after the delay t1, for the time t8 (remaining off for the time t9) and for the number of cycles t10.

The injector will be activated provided the temperature of the chamber is no lower than the threshold t2.

## To automatically activate the injector at start-up of cooking cycle:

make sure that the device is switched on

1.	(∮)	Touch the STEAM INJECTION key.
2.	Start up the cookin	g cycle.

### To quickly set times t8, t9 and the number of cycles t10:

-	make sure that the device is switched on					
1.	i ≡ÿ©	Touch the STEAM SETTINGS key for 3 s: the display will show the				
	~7'€	"Steam" menu.				
	\ \	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within				
2.		15 s to select a label (the availability of the labels depends on				
		parameter t7).				
	LABEL	DESCRIPTION				
	T On	t8 (steam injection time on)				
	T Off	t9 (steam injection time off)				
	Cycles	t10 (number of automatic steam injection cycles)				
2		Touch the INTERACTIVE 3 key: the display will show the value in				
3.	✓ •	Touch the INTERACTIVE 3 key: the display will show the value in yellow.				
		, ,				
4.		yellow.				
4.	✓ • • • • • • • • • • • • • • • • • • •	yellow.  Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.				
	✓ ° • • • • • • • • • • • • • • • • • •	yellow.  Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within				
4. 5.	✓ ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	yellow.  Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.				
4.	✓ ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	yellow.  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).				

## 4.7 Opening/closing the vent (if u1c... u8c = 7)

Make sure that the device is switched on.

1.	[8]	Touch the VENTING key.
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To set the amount of time for the vent to open in advance at the end of the cooking cycle:

make sure that the device is switched on make sure that a cooking cycle is not active

1.	[ø]	Touch the VENTING key for 3 s: the display will show the "Venting" menu.
2.	✓ 。	Touch the INTERACTIVE 3 key: the display will show the minutes in yellow.
3.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value or a label.
	LABEL	DESCRIPTION
	opn	vent open during the cooking cycle and for time u1 from the end of the cycle
	clo	vent closed during the cooking cycle and at the end of the cycle
4.	✓ •	Touch the INTERACTIVE 3 key: the display will show the seconds in yellow.
5.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
6.	√ ·	Touch the INTERACTIVE 3 key (or take no action for 15 s).
7.	X	Touch the INTERACTIVE 4 key to exit the procedure beforehand (any changes made will not be saved).

#### Setting the fan speed (if u1c... u8c = 4 and if F0 = 2 or 3) Make sure that the device is switched on.

Touch the INTERACTIVE 3 key.  $\checkmark$ 

Take no action for 5 s.

# Switching the chamber light on/off (if u1c... u8c = 5)

Touch the CHAMBER LIGHT key.

# 4.10 Switching the suction hood on/off (if u1c... u8c = 8)

Make	sure	that the	device	IS	swite	ch	ed (	on.	
	H i		100	- 1					

1. Touch the SUCTION HOOD key. The hood remains on at maximum for the time u2.

If u2 = 0, touch the SUCTION HOOD key again to switch the hood off.

# Switching the economy output on/off (if u1c...u8c = 12)

make sure that the device is switched on

make sure that a cooking cycle is active

Touch the ECONOMY key.

To automatically switch on the economy output at start-up of cooking cycle:

make sure that the device is switched on

-	make sure that a cooking cycle is not active						
1.		Touch the ECONOMY key for 3 s: the display will show the					
		"Economy" menu.					
2.	∠ <b>_</b> ∧ • •	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within					
۷.		15 s to set a label.					
	LABEL	DESCRIPTION					
	ECO AUTO	economy output on at start-up of cooking cycle					
	ECO KEEP	economy output on at start-up of cooking cycle if the previous					
		cycle ended with output on					
3.		Touch the INTERACTIVE 3 key: the display will show "on" or					
3.	ا ۷ گ	"off" in yellow.					
	( <b>—</b> \ • \ • \	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within					
4.		15 s to set the value.					
5.	✓ ·	Touch the INTERACTIVE 3 key (or take no action for 15 s).					
6.	$1 \times \square$	Touch the INTERACTIVE 4 key to exit the procedure beforehand					
		(any changes made will not be saved).					

# 4.12 Keypad lock (cleaning the device)

Touch the SUCTION HOOD key for 3 s: the display will show "Cleaning controller" and the remaining count of the time c10.

# 4.13 Silencing the buzzer

Touch a key.

5 ADDITIONAL FUNCTIONS

If u1c... u8c = 11, the buzzer is silenced.

5.1	Setting the language							
Make si	Make sure that the device is switched off.							
1	<b>अ</b> ∕ □	Touch the INTERACTIVE 4 key: the display will show the "Con-						
1.	<b>~</b>	figuration" menu.						
2.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-						
۷.		lect "Language".						
3.	✓ ○	Touch the INTERACTIVE 3 key: the display will show the "Lan-						
3.		guage" menu.						
_	(_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-						
4.	¥ • • • • • • • • • • • • • • • • • • •	lect a language.						
	•	•						

5.	✓ <u>°</u>	Touch the INTERACTIVE 3 key.
6.	X   •	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). $ \label{eq:control}$

#### 5.2 Display of device status

Make sure that the device is switched on

iviake su	wake sure that the device is switched on.			
1	1 0 1	Touch the CHAMBER LIGHT key for 3 s: the display will show the		
1.	I R I	"Expert" menu.		
2	<b>∠</b> ∧ • <b>△</b>	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-		
2.		lect "Internal values" or "Alarms".		
3.	✓ •	Touch the INTERACTIVE 3 key.		
4.	×	Touch the INTERACTIVE 4 key to exit the procedure (or take no		
	ا ^ ٿ	action for 60 s).		

## 5.3 Analogue and digital output testing

Make sure that the device is switched off.				
1.	* •	Touch the INTERACTIVE 4 key: the display will show the "Con-		
1.		figuration" menu.		
2.	<b>∠</b>	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-		
2.	,	lect "Service".		
3.	1/ [0]	Touch the INTERACTIVE 3 key: the display will show "Password"		
3.	پُ >	in yellow.		
4.	<b>√</b>	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within		
4.	7	15 s to set " <b>19</b> ".		
5.	\	Touch the INTERACTIVE 3 key: the display will show the "Quick		
5.	بًا ﴿	service" menu.		
6.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-		
ь.		lect "Output testing".		
7.	∠_ ^ • <b>^</b>	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-		
7.	V	lect the output.		
8.	/ [0]	Touch the INTERACTIVE 2 leaves a characteristic		
٥.	ٽ ×	Touch the INTERACTIVE 3 key to change output status.		
9.	× 「。	Touch the INTERACTIVE 4 key to exit the procedure (or take no		
9.	^ 😃	action for 60 s).		

### 6.1 Initial information

It is possible to save up to 50 programmes. To start up the cooking cycle with the settings stored in the programme, touch the START/STOP key. Each programme can consist of a maximum of 5 cooking phases.

## To add a phase:

make sure that the device is switched on

1.	º	Touch the CHAMBER LIGHT key for 3 s: the display will show the "Expert" menu.
2.	√ <u>^</u> • • •	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Add phase".
3.	✓ •	Touch the INTERACTIVE 3 key.
4.	× ·	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).

## To configure a phase:

-	make sure that the device is switched on		
1.	1 0 1	Touch the CHAMBER LIGHT key for 3 s: the display will show the	
-1.	1 8 1	"Expert" menu.	
2		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-	
2.	V	lect a phase.	
3.	✓ •	Touch the INTERACTIVE 3 key.	
4.	Configure the devic	e as shown in the previous paragraphs.	

## To delete a phase:

make sure that the device is switched on

_	make sure that the device is switched on		
1	1 0 1	Touch the CHAMBER LIGHT key for 3 s: the display will show the	
1.	l a l	"Expert" menu.	
2.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-	
2.	7	lect "Delete phase".	
3.	✓ •	Touch the INTERACTIVE 3 key.	
4.	✓ 。	Touch the INTERACTIVE 3 key again.	
5.	× ·	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).	
1			

6.2 Storing a programme

Configure the device as shown in the previous paragraphs.		
1	1 🗇 1	Touch the PROGRAMMES key for 3 s: the display will show the
1.	_ ]	"Programmes" menu, "Programmes" appears in yellow.
2.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select a position, any previously stored programmes will be overwritten.
3.	✓ ○	Touch the INTERACTIVE 3 key: "Programmes" will become white.
4.	× ·	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).

# 6.3 Starting a programme

Make sure that the device is switched on.			
		Touch the PROGRAMMES key: the display will show the "Pro-	
1.		grammes" menu.	
2.	∠_ ∧ • <b>^</b>	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-	
2.	<b>V</b>	lect a programme.	
3.	✓ •	Touch the INTERACTIVE 3 key: the programme will start up, the	
		status of the device will show the name of the programme.	
4	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Touch the INTERACTIVE 4 key to exit the procedure (or take no	
4.	ـــــــ ^ ـــــــ	action for 60 s).	

Make su	ke sure that the device is switched on.		
1.		Touch the PROGRAMMES key: the display will show the "Pro-	
		grammes" menu.	
2.	<b>√</b> ∧ • <b>♦</b>	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-	
		lect a programme.	
3.	× ·	Touch the INTERACTIVE 4 key for 3 s.	
4.	✓ ·	Touch the INTERACTIVE 3 key.	
5.	× ·	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). $ \label{eq:control}$	

# WEEKLY PROGRAMMED SWITCH-ON

# 7.1 Initial information

It is possible to save up to 9 weekly programmed switch-ons. The pre-heating programme will start up when the device is switched on. To start up the cooking cycle with the settings stored in the programme, touch the START/STOP key or open/close the door.

# Storing a switch-on

- make sure that parameter C5 is set to 1 (default)
- make sure that at least one programme has been stored

-	make sure that the device is switched off			
1.	0	Touch the INTERACTIVE 3 key.		
2.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Add switch-on".		
3.	✓ □	Touch the INTERACTIVE 3 key.		
4.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day".		

5.	✓ □	Touch the INTERACTIVE 3 key: the display will show the day in yellow.
6.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
7.	✓ ○	Touch the INTERACTIVE 3 key (or take no action for 15 s).
8.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Time".
9.	✓ 。	Touch the INTERACTIVE 3 key: the display will show the time in yellow.
10.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
11.	✓ 。	Touch the INTERACTIVE 3 key: the display will show the minutes in yellow.
12.		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.	f	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Programme".
15.	✓ ○	Touch the INTERACTIVE 3 key: the display will show the programme in yellow.
16.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
17.	✓ ○	Touch the INTERACTIVE 3 key (or take no action for 15 s).
18.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Save".
19.	✓ •	Touch the INTERACTIVE 3 key.
20.	× ·	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).

#### Activating the switch-ons 7.3

Switch off the device.

2.	√ · · · · · ·		٠	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select a switch-on.
3.		$\bigcirc$		Touch the START/STOP key: the display will show the day and time of the next switch-on and the programme that will start.
	I	(1)	I	Touch the ON/STAND-BY key to switch the device off without activating the switch-ons. $ \\$

## 7.4 Changing a switch-on

Make sure that the device is switched off.

2. lect "Switch-ons".  3. Touch the INTERACTIVE 3 key: the display will show the switch ons in yellow.  4. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to lect a switch-on.  5. Touch the INTERACTIVE 3 key.	1.	0000	Touch the INTERACTIVE 3 key.
ons in yellow.  Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to lect a switch-on.  Touch the INTERACTIVE 3 key.  Touch the INTERACTIVE 4 key to exit the procedure (or take	2.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Switch-ons".
4. lect a switch-on.  5. Touch the INTERACTIVE 3 key.  6. Touch the INTERACTIVE 4 key to exit the procedure (or take	3.	✓ ○	Touch the INTERACTIVE 3 key: the display will show the switchons in yellow.
6. X O Touch the INTERACTIVE 4 key to exit the procedure (or take	4.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select a switch-on.
6.   X   0	5.	✓ °	Touch the INTERACTIVE 3 key.
	6.	× ·	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). $ \\$

## 7.5 Deleting a switch-on Make sure that the device is switched off.

1.	<u> </u>	Touch the INTERACTIVE 3 key.
2.	<b>√</b> • • • • • • • • • • • • • • • • • • •	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Switch-ons".
3.	√ .	Touch the INTERACTIVE 3 key: the display will show the switchons in yellow.
4.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select a switch-on.
5.	✓ •	Touch the INTERACTIVE 3 key.
6.	<b>f</b>	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Delete switch-on".
7.	✓ 。	Touch the INTERACTIVE 3 key.
8.	✓ •	Touch the INTERACTIVE 3 key again.
9.	×	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).

### 8 SETTINGS 8.1 Setting configuration parameters

( **Q** 

Changing parameter P1 causes the value of the parameters whose unit of measurement is °C or °F to be changed automatically.

Make sı	ure that the device is	s switched off.
1.	* •	Touch the INTERACTIVE 4 key: the display will show the "Configuration" menu.
2.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Service".
3.	✓ •	Touch the INTERACTIVE 3 key: the display will show "Password" in yellow.
4.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set "-19".
5.	✓ •	Touch the INTERACTIVE 3 key: the display will show the "Service" menu.
6.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select a parameter.
7.	✓ •	Touch the INTERACTIVE 3 key: the display will show the parameter in yellow.
8.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
9.	✓ •	Touch the INTERACTIVE 3 key (or take no action for 15 s).
10.	×	Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s).
I		

# 8.2 Setting the time and day of the week

Do not disconnect the device from the mains within two minutes since the setting Q<sub>o</sub> of the time and day of the week. if the device communicates with the EVconnect app, the time and day of the week

will be automatically set by the smartphone or tablet.

Make sure that the device is switched off.

1.	* •	Touch the INTERACTIVE 4 key: the display will show the "Configuration" menu.
2.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Clock".
3.	✓ ○	Touch the INTERACTIVE 3 key.
4.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Time".
5.	✓ •	Touch the INTERACTIVE 3 key: the display will show the time in yellow.
6.	√ · · · · · · · · · · · · · · · · · · ·	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
7.	✓ o	Touch the INTERACTIVE 3 key: the display will show the minutes in yellow.

В.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
٠.	√ °	Touch the INTERACTIVE 3 key (or take no action for 15 s).
0.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day".
1.	✓ 。	Touch the INTERACTIVE 3 key: the display will show the day in yellow.
12.		Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value.
3.	✓ 。	Touch the INTERACTIVE 3 key (or take no action for 15 s).
		Touch the INTERACTIVE 4 key to exit the procedure (or take no
4.	X 🕒	action for 60 s).
	Restoring factor	*
	N.B.	action for 60 s). y settings (default)
.3 <b>O</b> O	N.B. Check that the fa	action for 60 s).  y settings (default)  ctory settings are appropriate; see the section CONFIGURATION PA-
.3	N.B. Check that the fa	action for 60 s).  y settings (default)  ctory settings are appropriate; see the section CONFIGURATION PA-

	Make sure that the device is switched on.					
	1.	<b>3</b>	Touch the INTERACTIVE 4 key: the display will show the "Con-			
١.	1.	~ <u> </u>	figuration" menu.			
	0	( \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-			
	2.		lect "Service".			
		/ 🗔	Touch the INTERACTIVE 3 key: the display will show "Password"			
	3.		in yellow.			
		(_ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within			
	4.	<b>V</b>	15 s to set " <b>149</b> ".			
	_	✓ ○	Touch the INTERACTIVE 3 key: the display will show the "Ser-			
	5.		vice" menu.			
	,	-	Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se-			
	6.	<b>†</b>	lect "Restore default".			
	_	/ []	Touch the INTERACTIVE 3 key for 3 s: the display will show a			
	7.	✓ <u></u>	tick.			
	_		Touch the INTERACTIVE 4 key to exit the procedure beforehand			
8.			(the reset will not be carried out).			

8.	×	0	)	(the reset will not be carried out).	,		
9	CONF	IGURA	TION P	ARAMETERS			
	NO.	PAR.	DEF.	ANALOGUE INPUTS	MIN MAX.		
	1	PAR.	0	type of probe	0 = J 1 = K		
					2 = Pt 100 2-wire		
	2	P1	0	unit of measurement	0 = °C 1 = °F		
$\bigcirc$	3	P3	1	type of steam injection	0 = disabled 1 = manual and automatic		
Q,					(with t8, t9 and t10)		
	4	P4	0	configurable input function	0 = disabled		
					1 = floor probe 2 = multi-purpose input 3		
	5	CA1	0	chamber probe offset	-25 25 °C/°F		
	6	CA2	0	floor probe offset	-25 25 °C/°F		
	NO.	PAR. r0	DEF.	chamber setpoint differential	MIN MAX. 1 99 °C/°F		
					effective if r10 = 0		
	8	r1	0	minimum chamber setpoint	0 °C/°F r2		
	9	r2 r3	300 130	maximum chamber setpoint chamber setpoint default in	r1 999 °C/°F r1 r2		
				phase configuration			
	11	r4	10	chamber setpoint in pre-heating	-199 199 °C/°F		
41				mode (relative to working set- point phase 1 cooking cycle)	working setpoint phase 1 cooking cycle + r4		
4	12	r8	80	cycle time for chamber and floor	1 999 s		
			-	heaters on	if r10 > 0, cycle time PI		
	13	r10	0	proportional band	0 99 °C/°F 0 = on-off control		
	14	r11	0	integral action time	0 999 s		
					0 = P control		
	15	r14	180	delay between two chamber heater switch-ons	1 240 s		
	16	r15	10	minimum time chamber heaters	1 240 s		
				on/off			
	NO.	PAR.	DEF.	GENERAL SETTINGS time buzzer on from end of	MIN MAX. -1 120 s		
	'	CO	''	cooking cycle	-1 = until silencing		
	18	с1	0	activate buzzer for 1 s at end of	0 = no 1 = yes		
	19	c2	60	cooking phase keyboard inactivity time to	0 240 min		
	' /	GZ.		switch off the device from week-	0 = disabled		
				ly programmed switch-on activa-			
	20	c3	10	tion high chamber temperature	0 99 °C/°F		
	20	0.5		threshold for locked display (rel-	chamber setpoint + c3		
				ative to chamber setpoint)	0 = disabled		
O <sub>A</sub>	21	c4	10	low chamber temperature threshold for locked display (rel-	0 99 °C/°F chamber setpoint - c4		
¥				ative to chamber setpoint)	0 = disabled		
	22	с5	1	enable weekly programmed switch-on	0 = no 1 = yes		
	23	c10	10	duration of controller cleaning	1 120 s		
	24	c11	0	status chamber and fan heaters	O = off		
	25	c12	0	at end of cooking cycle cooking timer start-up with door	1 = with last settings 0 = if device status is "PRE-		
	23	CIZ	"	opening/closing	HEATING" or "READY"		
					1 = if device status is		
	26 c13		0	door opening function at end of	"READY"  0 = disabled		
				cooking cycle	1 = start up cooking cycle		
	NO	DAD	DEE	CTEAN INJECTION	2 = start up cooking timer		
	NO. 27	PAR. t1	DEF.	STEAM INJECTION  delay steam injection from start-	MIN MAX. 0 600 s		
				up of cooking cycle phase			
	28	t2	100	chamber temperature for inhibit-	0 999 °C/°F		
				ing automatic steam injection cycles			
	29	t3	0	fan off time from end of steam	-1 120 s		
				injection (fan off in steam injection)	<ul> <li>-1 = injection inhibited if fan off, pending until fan on</li> </ul>		
					and fan off at end of in-		
					jection		
	30	t4	1	activate automatic steam injec-	0 = disabled 0 = no 1 = yes		
				tion cycles at start-up of cooking	j		
3	31	t5	0	cycle steam injection inhibited and	0 = no 1 = yes		
r	31	15	"	pending until chamber heaters	0 = 110 1 = yes		
				switched on and chamber heat-			
				ers switched off at end of injection			
	32	t6	0	inhibition steam injection if vent	0 = no 1 = yes		
	33	t7	2	is open time available with quick setting	0 = injection time on		
	33	17	^	of automatic steam injection cy-	1 = injection time on and		
				cles	injection time off		
					2 = injection time on, injec- tion time off and num-		
					ber of automatic cycles		
					3 = injection time on and number of automatic		
					cycles		

	34						
		t8		steam injection default time on with quick setting	1 99 s		
	35	t9	10	steam injection default time off with quick setting	1 999 s if t7 = 1 or 2, injection time		
	36	t10	3	number of automatic steam in-	off		
	36	110	3	jection cycles default	-1 = until generator is		
					switched off  if t7 = 0 or 1, number of au-		
	NO.	PAR.	DEF.	FAN	tomatic cycles MIN MAX.		
	37	FO	1	type of fan	0 = on/off, single speed mode		
					1 = on/off, single speed mode and with inver-		
					sion of the fan direction 2 = on/off, two-speed mode		
					and with inversion of the fan direction		
					3 = modulating with PWM driving signal and with		
					inversion of the fan di- rection, for EVCO phase		
					cut speed regulator 4 = modulating with PWM		
					driving signal, with frequency tracking and		
					with inversion of the fan direction, for EVCO in-		
					verter speed regulator (with F4, F5 and F6, du-		
	38	F1	15	fan off time for inversion of di-	ty = 50%)		
				rection			
	39	F2	120	fan on time for every fan direction			
	40	F3	1	chamber heaters off if fan off for inversion of direction	0 = no 1 = yes		
	41	F4	50	speed; if F0 = 4, minimum fre-	if F0 = 3, 0 100 % if F0 = 4, 0 100 Hz		
	42	F5	100		if F0 = 3, 0 100 %		
				speed; if F0 = 4, maximum fre- quency fan speed	if FO = 4, O 100 Hz		
_	43 NO.	F6 PAR.	5 DEF.	fan start-up duration ALARMS	0 10 s MIN MAX.		
	44	A0	10	temperature alarm switch-off differential	1 99 °C/°F		
	45	A1	О	high temperature alarm threshold	0 500 °C/°F		
	46	A2	0	high temperature alarm delay and delay after modifying set-	0 240 min		
3	47	A3	0	point type of high temperature alarm	0 = disabled		
					1 = absolute 2 = relative to setpoint		
	48	A4	70	high operating temperature alarm threshold	0 88 °C/175 °F 0 = disabled		
	49	A5	240	power failure duration due to in- terruption of cooking cycle	0 240 min 0 = disabled		
	NO. 50	PAR.	DEF.	DIGITAL INPUTS multi-purpose input 1 activation	MIN MAX.  0 = with contact closed		
	51	i1	1	multi-purpose input 1 function	1 = with contact open 0 = disabled		
	31			man parpose input i ranction	1 = suction hood on, fan off (door open alarm)		
					2 = steam injection off, chamber heaters off,		
					fan off, suction hood on		
					(door open alarm)		
					(door open alarm) 3 = steam injection off,		
					3 = steam injection off, chamber heaters off, fan off (door open		
					3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off		
					3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch		
					3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compart-		
<i>'</i>					3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compart- ment fan on, remaining outputs off (general		
*					3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compart- ment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off		
*					3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock		
*					3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock		
*	52	i2	0	door open alarm delay and	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off)		
*				thermal switch alarm delay from multi-purpose input 1	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s		
**	53	i3	0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s		
**				thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s		
*	53 54 55	i3 i4 i5	0 6 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s		
*	53 54	i3 i4	0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s		
*	53 54 55	i3 i4 i5	0 6 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s		
- →	53 54 55 56 57	i3 i4 i5 i6 i7	0 6 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 activation multi-purpose input 3 function	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s		
*	53 54 55 56 57	i3 i4 i5 i6 i7	0 6 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 3 activation multi-purpose input 3 function door open alarm delay and thermal switch alarm delay from	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s		
*	53 54 55 56 57 58 NO.	i3 i4 i5 i6 i7 i8	0 6 0 0 6 0 DEF.	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 activation multi-purpose input 3 function door open alarm delay and thermal switch alarm delay from multi-purpose input 3	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX.		
*	53 54 55 56 57 58 NO.	i3 i4 i5 i6 i7 i8  PAR.	0 6 0 0 6 0 DEF. 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 activation multi-purpose input 3 function door open alarm delay and thermal switch alarm delay and thermal switch alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact closed 1 = with contact open		
*	53 54 55 56 57 58 NO.	i3 i4 i5 i6 i7 i8  PAR.	0 6 0 0 6 0 DEF. 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 activation multi-purpose input 3 function door open alarm delay and thermal switch alarm delay from multi-purpose input 3 function door open alarm delay and thermal switch alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent time vent open from end of	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact closed 1 = with contact open as i1 0 120 s		
*	53 54 55 56 57 58 NO. 59 60	i3 i4 i5 i6 i7 i8  PAR. u0 u1	0 6 0 0 DEF. 0 10	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 activation multi-purpose input 3 function door open alarm delay and thermal switch alarm delay and thermal switch alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent time vent open from end of cooking cycle time suction hood on	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact closed 1 = with contact open as i1 0 120 s		
**	53 54 55 56 57 58 NO. 59 60 61	i3 i4 i5 i6 i7 i8  PAR. u0 u1 u2 u3	0 6 0 0 DEF. 0 10 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 2 multi-purpose input 3 activation door open alarm delay and thermal switch alarm delay from multi-purpose input 3 function door open alarm delay and thermal switch alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent time vent open from end of cooking cycle time suction hood on	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10= type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact closed 1 = with contact open as i1 0 120 s		
<b>₹</b>	53 54 55 56 57 58 NO. 59 60 61 62 63	i3 i4 i5 i6 i7 i8  PAR. u0 u1 u2 u3 u4	0 6 0 0 DEF. 0 10 0 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 activation multi-purpose input 3 function door open alarm delay and thermal switch alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent time vent open from end of cooking cycle time suction hood on chamber light on when device is switched on chamber light off when device is switched off	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact closed 1 = with contact open as i1 0 120 s		
*	53 54 55 56 57 58 NO. 59 60 61 62 63	i3 i4 i5 i6 i7 i8  PAR. u0 u1 u2 u3 u4 u5	0 6 0 0 0 DEF. 0 10 0 0 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 activation door open alarm delay from multi-purpose input 3 function door open alarm delay and thermal switch alarm delay from multi-purpose input 3 function door open alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent time vent open from end of cooking cycle time suction hood on chamber light on when device is switched on chamber light off when device is switched off enable suction hood in stand-by	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact closed 1 = with contact open as i1 0 120 s		
<b>*</b>	53 54 55 56 57 58 NO. 59 60 61 62 63	i3 i4 i5 i6 i7 i8  PAR. u0 u1 u2 u3 u4	0 6 0 0 DEF. 0 10 0 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 activation door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 activation door open alarm delay from multi-purpose input 3 function door open alarm delay and thermal switch alarm delay and thermal switch alarm delay from multi-purpose input 3 function door open alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent time vent open from end of cooking cycle time suction hood on chamber light on when device is switched on chamber light off when device is switched off enable suction hood in stand-by operating temperature threshold when electronics compartment	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open as i1 0 120 s  0 = with contact open as i1 0 = with contac		
*	53 54 55 56 57 58 NO. 59 60 61 62 63 64	i3 i4 i5 i6 i7 i8  PAR. u0 u1 u2 u3 u4 u5 u6	0 6 0 0 DEF. 0 10 0 0 60	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 2 multi-purpose input 3 activation door open alarm delay from multi-purpose input 3 function door open alarm delay and thermal switch alarm delay from multi-purpose input 3 function door open alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent time vent open from end of cooking cycle time suction hood on chamber light on when device is switched on chamber light off when device is switched off enable suction hood in stand-by operating temperature threshold when electronics compartment fans on and device off	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact closed 1 = with contact open as iff 0 120 s  MIN MAX. 0 = with contact closed 1 = with contact open as iff 0 120 s  O = with contact closed 1 = with contact open as iff 0 120 s  O = with contact closed 1 = with contact open as iff 0 120 s  O = with contact open as iff 0 120 s  O = with contact open as iff 0 120 s		
*	53 54 55 56 57 58 NO. 59 60 61 62 63	i3 i4 i5 i6 i7 i8  PAR. u0 u1 u2 u3 u4 u5	0 6 0 0 0 DEF. 0 10 0 0 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 multi-purpose input 3 activation door open alarm delay and thermal switch alarm delay from multi-purpose input 3 function door open alarm delay from multi-purpose input 3 multi-purpose input 3 purpose input 3 multi-purpose input 3 multi-purpose input 3 purpose input 3 multi-purpose input 3 multi-purpose input 3 purpose input 3 multi-purpose input 3 multi-purpose input 3 purpose input 3 multi-purpose inpu	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open 0 600 s -1 = open until closed by pressing key 0 999 s 0 = switch on/off by pressing key 0 = yes 1 = no  0 = no 1 = yes manual 20 65 °C/65 150 °F fans always on with device on and device sensor in		
<b>∀</b>	53 54 55 56 57 58 NO. 59 60 61 62 63 64 65	i3 i4 i5 i6 i7 i8  PAR. u0 u1 u2 u3 u4 u5 u6	0 6 0 0 DEF. 0 10 0 0 60 10	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 multi-purpose input 3 activation  multi-purpose input 3 function door open alarm delay and thermal switch alarm delay from multi-purpose input 3 function door open alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent  time vent open from end of cooking cycle time suction hood on  chamber light on when device is switched on chamber light off when device is switched off enable suction hood in stand-by operating temperature threshold when electronics compartment fans on and device off  u6 differential	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open as i1 0 120 s  0 = switch on/off by pressing key 0 = yes		
**************************************	53 54 55 56 57 58 NO. 59 60 61 62 63 64 65	i3 i4 i5 i6 i7 i8  PAR. u0 u1 u2 u3 u4 u5 u6	0 0 6 0 0 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 function door open alarm delay from multi-purpose input 3 activation  multi-purpose input 3 function door open alarm delay from multi-purpose input 3 function door open alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent  time vent open from end of cooking cycle time suction hood on  chamber light on when device is switched on chamber light off when device is switched off enable suction hood in stand-by operating temperature threshold when electronics compartment fans on and device off  u6 differential activate chamber light flashing for 10 s at end of cooking cycle venting configuration	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open but contact open as i1 0 120 s  1 = open until closed by pressing key 0 = yes 1 = no 0 = no 1 = yes manual 20 65 °C/65 150 °F fans always on with device on and device sensor in alarm mode 1 99 °C/°F 0 = no 1 = yes 0 = solenoid valve on/off 1 = motorised solenoid valve		
	53 54 55 56 57 58 NO. 59 60 61 62 63 64 65	i3 i4 i5 i6 i7 i8  PAR. u0 u1 u2 u3 u4 u5 u6	0 0 6 0 0 DEF. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	thermal switch alarm delay from multi-purpose input 1 multi-purpose input 2 function door open alarm delay and thermal switch alarm delay from multi-purpose input 2 function door open alarm delay from multi-purpose input 3 activation  multi-purpose input 3 function door open alarm delay from multi-purpose input 3 function door open alarm delay from multi-purpose input 3 DIGITAL OUTPUTS opening vent  time vent open from end of cooking cycle time suction hood on  chamber light on when device is switched on chamber light off when device is switched off enable suction hood in stand-by operating temperature threshold when electronics compartment fans on and device off  u6 differential activate chamber light flashing for 10 s at end of cooking cycle venting configuration	3 = steam injection off, chamber heaters off, fan off (door open alarm) 4 = chamber heaters off (thermal switch alarm) 5 = fan off (thermal switch alarm) 6 = electronics compartment fan on, remaining outputs off (general thermal switch alarm) 7 = switches device on/off 8 = manual steam injection 9 = type A burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters off) 10 = type B burner lock alarm (heaters on) 0 120 s  0 = with contact closed 1 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open as i1 0 120 s  MIN MAX. 0 = with contact open as i1 0 120 s  0 = switch on/off by pressing key 0 = yes		

	70	u11	10		n short pulse for ed venting solen		0 600 ds	
	71	u12	30	1	n long pulse for ed venting solen		0 600 ds	
	72	u13	0	floor set	tpoint		-999 999 °C/°F	
							-999 0 °C/°F = u13 +	
							chamber setpoint	
				-			1 999 °C/°F = u13	
	73	u14	0	open vent with door opening			0 = no 1 = yes	
	74	u15	0	venting switche	status with d off	device	0 = closed 1 = open	
	75	u1c	8	K1 outp	ut configuration		0 = disabled	
							1 = chamber heaters	
							2 = fan rotation right	
							3 = fan rotation left	
							4 = fan high/low speed 5 = chamber light	
							6 = steam injection	
							7 = venting	
							8 = suction hood	
							9 = electronics compart-	
							ment fan	
							10= on/stand-by	
							11= sound	
							12= economy	
							13= floor heaters	
							14= burner lock reset	
	76	u2c	6				like u1c	
	77	u3c	9	· ·	K3 output configuration		like u1c	
	78	u4c	5		ut configuration		like u1c	
	79	u5c	1	<del>                                       </del>	ut configuration		like u1c	
	80 81	u6c u7c	12 3				like u1c	
	01	u/c		K7 outp	ut configuration		if F0 = 3 or 4, K7 output	
							configuration = fan enabling	
	82	u8c	2	K8 outp	ut configuration		like u1c	
						if F0 = 3 or 4, K8 output		
							configuration = NO contact is	
						reverse, NC contact is run		
	NO.	PAR.	DEF.	MODBU	S		MIN MAX.	
	83	LA	247	MODBU	S address		1 247	
ld	84	Lb	3	MODBU	S baud rate		0 = 2,400 baud	
							1 = 4,800 baud	
							2 = 9,600 baud	
	N.	PAR.	DEF.	SICUREZ	77F		3 = 19,200 baud MIN MAX.	
	85	PA1	426	level 1 p			-99 999	
	86	PA2	824	level 2 p			-99 999	
	N.	PAR.	DEF.		OGGING EVLINK		MIN MAX.	
	87	bLE	1		rt configuration	for con-		
_				nectivity			1 = forced for EVconnect or EPoCA	
OG							2-99 = EPoCA local network address	
	88	rE0	15	data-log	ger sampling int	erval	0 240 min	
	89	rE1					0 = none 1 = all	
1	89   rE1   1   recorded temperature							
0	ALAR	MS						
ABEL					RESET	TO COR	RECT	

10 ALARMS		
LABEL	RESET	TO CORRECT
Chamber probe	automatic	- check PO
Floor probe	automatic	- check integrity of the probe
		- check electrical connection
Board probe	automatic	check operating temperature
time flashing	manual	set time and day of the week
Chamber high temp.	automatic	check A1 and A3
Controller high temp.	automatic	check A4
Door	automatic	check i0, i1, i3 and i4
Power failure	manual	- touch a key
		- check A5
		- check electrical connection
Thermal switch	manual	check i0, i1, i3 and i4
11 TECHNICAL SPECIFICATION	NS	

Purpose of the control dev	vice:	function controller.		
Construction of the contro	ol device:	built-in electronic dev	ice.	
Housing:		black, self-extinguishi	ing.	
Category of heat and fire	resistance:	D.		
Measurements:		76.4 x 148.4 x 77.0 in).	mm (3 x 5 13/16 x 3	
Mounting methods for the	control device:	to be fitted to a pane provided.	l, screwed-in brackets	
Degree of protection prov	ided by the casing:	IP65 (front).		
Connection method:				
plug-in screw terminal blocks for wires up to 2.5 mm <sup>2</sup>	Pico-Blade connector		female Micro USB connector.	
Maximum permitted lengt	h for connection cables	:		
power supply: 10 m (32.8	3 ft)	analogue inputs: 10 r	analogue inputs: 10 m (32.8 ft)	
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 -25 to 70 °C (from -13 to 158 °F).		
Operating humidity:		relative humidity without condensate from 10 to 90%.		
Pollution status of the cor	trol device:	3.		
Compliance:				
RoHS 2011/65/EC	WEEE 2012/19/EU		REACH (EC) Regulation no. 1907/2006	
EMC 2014/30/EU		LVD 2014/35/EU.		
		1		

			10 10 90%.		
Pollution status of the co	ontrol d	evice:	3.		
Compliance:					
RoHS 2011/65/EC	WEE	E 2012/19/EU		REACH (EC) Regula- tion no. 1907/2006	
EMC 2014/30/EU			LVD 2014/35/EU.		
Power supply:			115 230 VAC (+10 % -15 %), 50/60 Hz (±3 Hz), max. in EV8338J9 24 VAC (+10 % -15 %), 50/60 Hz (±3 Hz),		
			max. in EV8338J4	%), 50/60 HZ (±3 HZ),	
Earthing methods for the	e contre	al device:	none.		
Rated impulse-withstand			2.5 KV.		
Over-voltage category:	, vonaç	, o.	II.		
Software class and struc	ture:		Α.		
Clock:			built-in secondary lith	ium battery.	
Clock drift:				≤ 60 s/month at 25 °C (77 °F).	
Clock battery autonom power supply:	y in th	ne absence of a	> 24 h at 25 °C (77 °	F).	
Clock battery charging t	ime:		24 h (the battery is charged by the power supply of the device).		
Analogue inputs:			1 for J/K thermocouples or Pt 100 2-wire probes (chamber probe).		
J thermocouples:	Meas	surement field:	from 0 to 700 °C (from 32 to 999 °F).		
	Resolution:		1 °C (1 °F).		
K thermocouples:	Meas	surement field:	from 0 to 999 °C (from 32 to 999 °F).		
	Resc	olution:	1 °C (1 °F).		
Pt 100 probes:	Meas	surement field:	from 0 to 650 °C (from 32 to 999 °F).		
	Resc	olution:	1 °C (1 °F).		
Digital inputs:			2 dry contact (multi-purpose 1 and multi- purpose 2).		
Dry contact:			Type of contact:	3.3 V, 1 mA	
			Protection: none.		
Other inputs: can be configure input (multi-pur			ed for analogue input (floor probe) or digital pose input 3).		
Analogue outputs:			1 for PWM signal (for EVCO speed regula-		

Digital outputs:	8 with electro-mechanical relay (K1K8
	relays).
	The maximum overall current permit-
	ted for loads is 15 A.
K1 relay:	SPST, 16 A res. @ 250 VAC
K2K7 relay:	SPST, 8 A res. @ 250 VAC.
K8 relay:	SPDT, 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).
Communications ports:	
1 TTL MODBUS slave port for programming key	1 USB port (set up recipe book, add and
or BMS	personalise languages, update firmware).

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

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