Controller for bread and pizza deck ovens







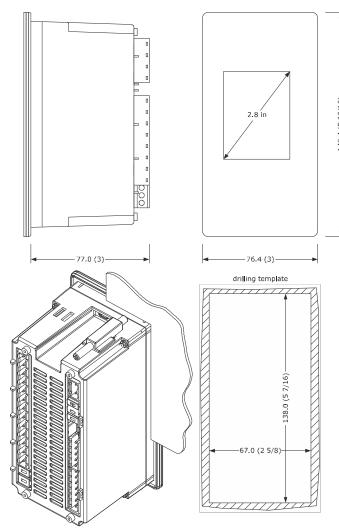
- power supply 115... 230 VAC or 24 VAC (according to the model)
- built-in clock
- chamber probe or top and floor probes (J/K or Pt 100 2-wire)
- multi-purpose input
- 2 outputs for solid state relays to manage top and floor
- TTL MODBUS slave port for programming key, for EVconnect app, EPoCA remote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

Models available

| Purchasing code | Power supply | Type of analogue inputs | Number of digital outputs | Type of digital outputs for top and floor |
|-----------------|--------------|---|---------------------------|---|
| EV8328J9 | 115 230 VAC | for J/K thermo- couples or Pt 100 2-wire probes | 8 | output for solid state relay |
| EV8328J4 | 24 VAC | for Pt 100 2-wire probes and J/K thermocou- ples | 8 | output for solid state relay |

1 MEASUREMENTS AND INSTALLATION

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



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

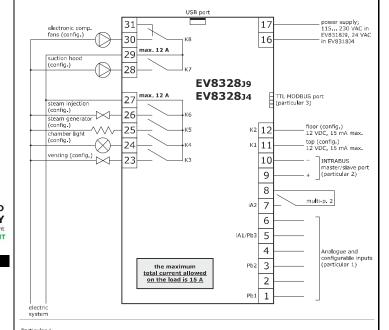
INSTALLATION PRECAUTIONS

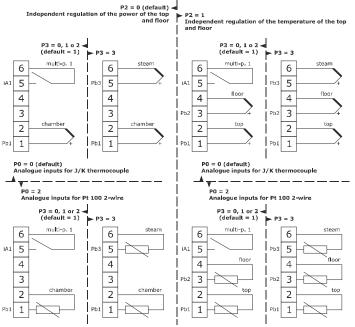
- the thickness of the panel must be between 0.8 and 5.0 mm (1/32 and 1/16 in) the maximum clamping torque applicable to the screwed-in brackets is 10 cNm
- ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFICATIONS section
- do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations
- in compliance with safety regulations, the device must be installed properly to ensure adequate protection from contact with electrical parts. All protective parts must be fixed in such a way as to need the aid of a tool to remove them.

2 ELECTRICAL CONNECTION

N.B.

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





Particular 2 Particular 3 INTRABUS INTRABUS INTRABUS TTL/RS-485 9 10 9 10 9 10 EVlink BLE o · (* 🛜 INTRABUS network 100 1010

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 $% \left\{ 1\right\} =\left\{ 1\right$
- make sure that the supply voltage, electrical frequency and power are within the set limits. See the section TECHNICAL SPECIFICATIONS
- disconnect the power supply before carrying out any type of maintenance
- do not use the device as a safety device for repairs and for further information, contact the EVCO sales network.

3 FIRST-TIME USE

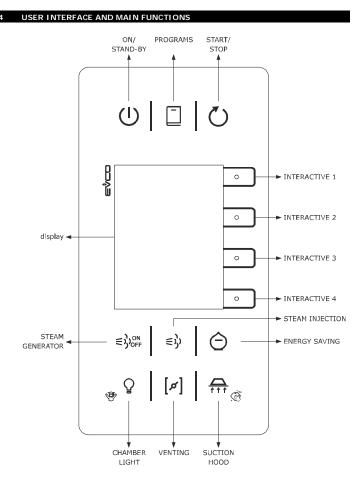
- Carry out the installation following the instructions given in the section MEASUREMENTS AND INSTALLATION.
- test will start up.
- The test normally takes a few seconds; when it is finished the display will switch off. Configure the device as shown in the section Setting configuration parameters

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

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

- Disconnect the device from the mains.
- Make the electrical connection as shown in the section ELECTRICAL CONNECTION without powering up the device.
- For the connection in an RS-485 network connect the interface EVIF22TSX, to use the device with the EPoCA remote monitoring system, connect the EVIF25TWX module, to use the device with the APP EVconnect connect the interface EVIF25TBX: see the relevant instruction sheets. If EVIF22TSX is used, set parameter bLE to 0.

Power up the device.



Switching the device on/off

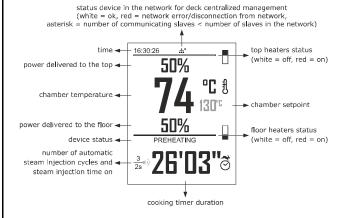
To switch the device on

(1) Touch the ON/STAND-BY key.

To switch the device off:

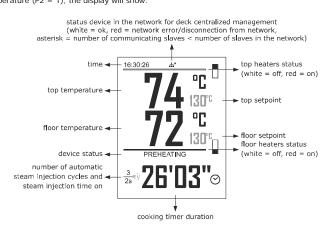
Touch the ON/STAND-BY key for 3 s.

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



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

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



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

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

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

Starting up/interrupting the cooking cycle To start up a cooking cycle:

make sure that the device is switched on

make sure that the cooking timer is set

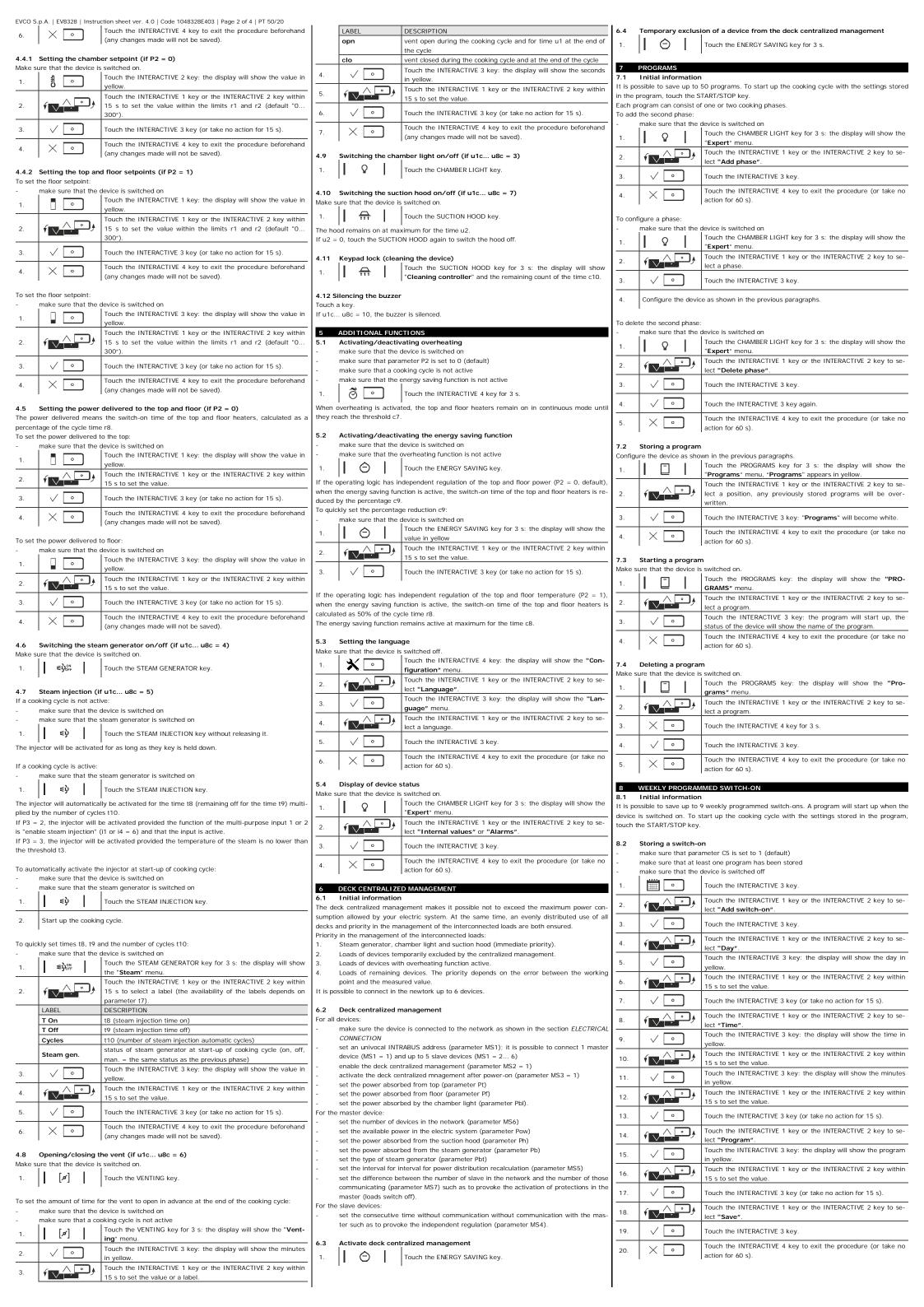
Touch the START/STOP key: the cooking timer will start up and ()the status of the device will show "COOKING". When the timer stops, it will show "END".

To interrupt the cooking cycle



Setting the cooking timer

| - | Make su | ure that the device is | s switched on. |
|--------|---------|------------------------|--|
| | 1. | ð · | Touch the INTERACTIVE 4 key: the display will show the minutes in yellow. |
| - | 2. | | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value. |
| e o | 3. | ✓ □ | Touch the INTERACTIVE 3 key: the display will show the seconds in yellow. |
| - | 4. | √ <u> </u> | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value. |
| | 5. | ✓ ○ | Touch the INTERACTIVE 3 key (or take no action for 15 s). |



| 1. | Activating the sw | uction sheet ver. 4.0 Code 1048328E403 Page 3 of 4 PT 50/20 itch-ons | 7. | Ι. | / 0 | _ | Touch the INTERACTIVE 3 key for | or 3 s: the display will show a | | 41 | t9 | 10 | steam injection default time off | 1 999 s |
|--|---|--|----------------|--|---|--|---|--|----------|----------|------------|---------|--|---|
| | Switch off the devi | | 8. | > | = | | tick. Touch the INTERACTIVE 4 key to | exit the procedure beforehand | | | | | with quick setting | if $t7 = 1$ or 2, injection time off |
| 2. | √ · · · · · · · · · · · · · · · · · · · | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select a switch-on. | 0. | ′ | \ | | (the reset will not be carried out). | | | 42 | t10 | 3 | number of automatic steam injection cycles default | -1 20 -1 = until generator is |
| 3. | | Touch the START/STOP key: the display will show the day and time of the next switch-on and the program that will start. | 10 | | | | PARAMETERS | | | | | | | switched off if t7 = 0 or 1, number of au- |
| 3. | ΙυΙ | Touch the ON/STAND-BY key to switch the device off without activating the switch-ons. | | N. 1 | PAR. | DEF. | ANALOGUE INPUTS type of probe | MIN MAX. 0 = J | | N. | PAR. | DEF. | ALARMS | tomatic cycles MIN MAX. |
| 3.4 | Changing a switch | h-on | | 2 | P1 | 0 | unit of measurement | 2 = Pt 100 2-wire 0 = °C 1 = °F | | 43 | A0 | 10 | temperature alarm switch off dif- ferential | 1 99 °C/°F |
| | ure that the device i | | | 3 | P2 | 0 | operating logic | 0 = independent regulation of the top and floor | | 44 | A1 | 0 | high temperature alarm threshold | 0 500 °C/°F |
| 1. | | Touch the INTERACTIVE 3 key. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- | | | | | | power 1 = independent regulation | | 45 | A2 | 0 | high temperature alarm delay and delay after modifying set- | 0 240 min |
| 2. | 1 1 1 1 1 1 1 1 1 1 | lect "Switch-ons". Touch the INTERACTIVE 3 key: the display will show the switch- | | | | | | of the top and floor temperature | | 46 | A3 | 0 | point high temperature alarm type | 0 = disabled |
| 3. | ✓ <u>•</u> | ons in yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- | | 4 | P3 | 1 | type of steam injection | 0 = disabled 1 = manual and automatic | | | /1.5 | | mgn temperature diam type | 1 = absolute 2 = relative to setpoint |
| 4. | 1 • • • • • • • • • • • • • • • • • • • | lect a switch-on. | Q | | | | | (with t8, t9 and t10) if generator is on | | 47 | A4 | 70 | high operating temperature alarm threshold | 0 88 °C/175 °F 0 = disabled |
| i. | ✓ <u>•</u> | Touch the INTERACTIVE 3 key. Touch the INTERACTIVE 4 key to exit the procedure (or take no | | | | | | 2 = manual and automatic (with t8, t9 and t10), | | 48 | A 5 | 240 | power failure duration due to in- | 0 240 min |
| . | \times \circ | action for 60 s). | | | | | | with digital input active and if generator is on | | N. | PAR. | DEF. | terruption of cooking cycle DIGITAL INPUTS | 0 = disabled MIN MAX. |
| .5 | Deleting a switch | | | | | | | 3 = manual and automatic (with t8, t9 and t10), | | 49 | iO | 0 | activation multi-purpose input 1 | 0 = with contact closed 1 = with contact open |
| | | Touch the INTERACTIVE 3 key. | | | | | | thermoregulated (with t1, t2 and t3) and if | | 50 | i1 | 6 | multi-purpose input 1 function (option 6 effective only if | 0 = disabled 1 = suction hood on (door |
| | √ <u>^</u> | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- | | 5 | CA1 | 0 | chamber probe offset | generator is on | | | | | P3 = 2) | open alarm) 2 = steam injection off, top |
| i. | ✓ ° | lect "Switch-ons". Touch the INTERACTIVE 3 key: the display will show the switch- | | | | | ' | if P2 = 1, top probe offset | | | | | | and floor heaters off suction hood on (door |
| | √ <u>^</u> • • • | ons in yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- | | 7 | CA2 | 0 | floor probe offset steam probe offset | -25 25 °C/°F -25 25 °C/°F | | | | | | open alarm) 3 = switches device on/off |
| i. | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | lect a switch-on. Touch the INTERACTIVE 3 key. | | N. 8 | PAR. | DEF. | REGULATION setpoint chamber differential | MIN MAX. 1 99 °C/°F | | | | | | 4 = steam generator off, top and floor heaters of |
| 5. 5. | | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- | | | | | | if P2 = 1, top setpoint and floor setpoint differential | | | | | | (thermal switch alarm) 5 = energy saving activa- |
| | | lect "Delete switch-on". | | 9 | r1 | 0 | minimum chamber setpoint | effective if r10 = 0 0 °C/°F r2 | | | | | | tion/deactivation 6 = enable steam injection |
| '. | | Touch the INTERACTIVE 3 key. | | | | | | if P2 = 1, minimum top set- point | | 51 | i2 | 0 | door open alarm delay and ther- | 7 = steam injection 0 120 s |
| ١. | ✓ ° | Touch the INTERACTIVE 3 key again. Touch the INTERACTIVE 4 key to exit the procedure (or take no | | 10 | r2 | 300 | maximum chamber setpoint | r1 999 °C/°F if P2 = 1, maximum top set- | € | | | | mal switch alarm delay from multi-purpose input 1 | |
|). | X [] | action for 60 s). | | 11 | r3 | 130 | default chamber setpoint when | point | | 52 | i3 | 0 | multi-purpose input 2 activation | 0 = with contact closed 1 = with contact open |
| | SETTINGS Setting configuration | tion noremeters | | 12 | | 0 | configuring a phase minimum floor setpoint | if P2 = 1, top setpoint 0 °C/°F r5 | | 53 | i4 | 4 | multi-purpose input 2 function (option 6 effective only if | 0 = disabled 1 = suction hood on (door |
| | | uon parameters | | 13 | _ | | maximum floor setpoint | r4 999 °C/°F | | | | | P3 = 2) | open alarm) |
| Ö, | N.B. Changing paramet | er P2 causes the value of the parameters whose unit of measure- | | 14 | r6 | 130 | default floor setpoint when con- figuring a phase | r4 r5 | | | | | | 2 = steam injection off, top and floor heaters off |
| | ment is °C or °F to | b be changed automatically. | * | 15 | r7 | 0 | constraint between top and floor powers | 1 = changing a power caus- | | | | | | suction hood on (door open alarm) |
| ake s | ure that the device i | s switched off. Touch the INTERACTIVE 4 key: the display will show the "Con- | | | | | | es the other to be changed automatically | | | | | | 3 = switches device on/off4 = steam generator off, top |
| | ^ 🗖 | figuration" menu. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- | | | | | | so that the sum of the two is always 100 | | | | | | and floor heaters of (thermal switch alarm) |
| 2. | , | lect "Service". Touch the INTERACTIVE 3 key: the display will show "Password" | | 16 | r8 | 80 | cycle time for top and floor heaters on | 1 999 s if P2 = 1, cycle time for top | | | | | | 5 = energy saving activa- tion/deactivation |
| 3. | ✓ · · · · · · · · · · · · · · · · · · · | in yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within | | | | | | and floors heaters on in energy saving mode | | | | | | 6 = enable steam injection7 = steam injection |
| ١. | ↑ • • • • • • • • • • • • • • • • • • • | 15 s to set "-19". Touch the INTERACTIVE 3 key: the display will show the "Ser- | | | | | | if P2 = 1 and r10 > 0, cycle time PI | | 54 | i5 | 0 | door open alarm delay and ther- mal switch alarm delay from | 0 120 s |
| 5. | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | vice" menu. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- | | 17 | r9 | 0 | minimum time top and floor heaters on and off | 0 240 s we recommend > 10 s | | N. | PAR. | DEF. | multi-purpose input 2 DIGITAL OUTPUTS | MIN MAX. |
| . | ₹ • • • • | lect a parameter. Touch the INTERACTIVE 3 key: the display will show the parame- | | 18 | r10 | 50 | proportional band | 0 99 °C/°F 0 = on-off control | | 55 | u0 | 0 | opening vent | 0 = with contact closed 1 = with contact open |
| ' | ✓ <u>.</u> | ter in yellow. | | 19 | r11 | 80 | integral action time | effective only if P2 = 1 | | 56 | u1 | 10 | time vent open from end of cook- ing cycle | 0 600 s -1 = open until closed by |
| 3. | √ <u></u> | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value. | | 17 | ''' | 80 | integral action time | 0 = P control effective only if P2 = 1 | | 57 | u2 | 10 | time suction hood on | pressing key 0 999 s |
|). | ✓ ○ | Touch the INTERACTIVE 3 key (or take no action for 15 s). | | N. | PAR. | DEF. | GENERAL SETTINGS | MIN MAX. | | 58 | | | switch the chamber light on | 0 = switching on/off by key |
| 10. | \times \circ | Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). | | 20 | c0 | 15 | time buzzer on from end of cook- ing cycle | -1 = until silencing | | | u3 | 0 | switching the device on | |
| 2 | Setting the time a | and day of the week | | 21 | c1 | 0 | activate buzzer for 1 s at end of the cooking phase | , | | 59 | u4 | 0 | switch the chamber light off switching the device off | |
| | N.B. | | | 22 | c2 | 60 | keyboard inactivity time to switch off the device from weekly | 0 240 min 0 = disabled | | 60 | u6 | 60 | operating temperature threshold when electronics compartment | 20 65 °C/65 150 °F fans always on with device or |
| Ö, | - Do not disconne of the time and | ect the device from the mains within two minutes since the setting day of the week. | | | | | programmed switch-on activation | | | | | | fans on and device off | and device sensor in alarn mode |
| * | | mmunicates with the EVconnect app, the time and day of the week cally set by the smartphone or tablet. | | 23 | с3 | 10 | high chamber temperature threshold for locked display | | | 61 62 | u7 u8 | 10 0 | u6 differential activate chamber light flashing | 1 99 °C/°F 0 = no 1 = yes |
| ake s | ure that the device i | s switched off. | | 24 | c4 | 10 | (relative to chamber setpoint) low chamber temperature | 0 = disabled 0 99 °C/°F | | | | | for 10 s at end of the cooking cycle | |
| ١. | * • | Touch the INTERACTIVE 4 key: the display will show the "Configuration" menu. | | | | | threshold for locked display (relative to chamber setpoint) | chamber setpoint - c4 0 = disabled | | 63 | u1c | 1 | K1 output configuration | 0 = disabled 1 = top heaters |
| 2. | √ · · · · · · · · · · · · · · · · · · · | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Clock". | | 25 | c5 | 1 | enable weekly programmed switch-on | 0 = no 1 = yes | | | | | | 2 = floor heaters 3 = chamber light |
| | ✓ ° | Touch the INTERACTIVE 3 key. | o _o | 26 | с6 | 0 | activate overheating at power-on | 0 = no 1 = yes effective only if P2 = 0 | | | | | | 4 = steam generator 5 = steam injection |
| | √ <u></u> | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to se- | | 27 | c7 | 150 | chamber temperature threshold | 0 999 °C/°F | | | | | | 6 = venting 7 = suction hood |
| | √ ° | lect "Time". Touch the INTERACTIVE 3 key: the display will show the time in | | | | | for end of overheating | 0 = on reaching the working setpoint | | | | | | 8 = electronics compartmen |
| | | yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within | | 28 | c8 | 60 | maximum duration of energy | effective only if P2 = 0 0 240 min | | | | | | 9 = on/stand-by 10 = sound |
| • | | 15 s to set the value. Touch the INTERACTIVE 3 key: the display will show the minutes | | | | | saving | 0 = until manual deactiva- tion | ه د | 64 | u2c | 2 | K2 output configuration | O = disabled 1 = top heaters |
| | ا ا | | | | | | | | X | | | | | 2 = floor heaters |
| | | in yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within | | | | | | not effective if activated by digital input | | 1 | l . | 1 | | |
| | | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value. | | 29 | с9 | 50 | percentage times top and floor heaters on in energy saving | digital input 0 100 % | | | | | | 3 = chamber light 4 = steam generator |
| | √ ° | 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). | | 29 | | 50 | l | digital input 0 100 % | | | | | | 4 = steam generator 5 = steam injection 6 = venting |
| | 7 | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". | | | | | heaters on in energy saving mode duration of controller cleaning setting used at end of the cook- | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 | | | | | | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood |
| | ✓ ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in yellow. | | 30 | c10 c11 | 10 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings | | | | | | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood |
| 1. | ✓ ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in | | 30 31 32 N. | c10 c11 c12 PAR. | 10 0 0 DEF. | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes 1 = no MIN MAX. | | 65 | u3c | 6 | K3 output configuration | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartmentians |
| 2. | ✓ ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value. Touch the INTERACTIVE 3 key (or take no action for 15 s). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within | | 30 31 32 N. 33 34 | c10 c11 c12 PAR. t1 t2 | 10 0 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes 1 = no MIN MAX. 0 500 °C/°F 1 99 °C/°F | | 65 | u3c | 6 | K3 output configuration | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartment fans 9 = on/stand-by 10 = sound 0 = disabled 1 = top heaters |
| 1. 2. | | Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value. Touch the INTERACTIVE 3 key (or take no action for 15 s). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in yellow. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key within 15 s to set the value. | | 30 31 32 N. 33 | c10 c11 c12 PAR. t1 | 10 0 0 DEF. | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for injection stoppage (relative to | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes | | 65 | u3c | 6 | K3 output configuration | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartment fans 9 = on/stand-by 10 = sound 0 = disabled |
| 1. 2. 3. | | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in 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). Touch the INTERACTIVE 4 key to exit the procedure (or take no | | 30 31 32 N. 33 34 | c10 c11 c12 PAR. t1 t2 | 10 0 0 DEF. 100 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes | | 65 | u3c | 6 | K3 output configuration | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartment fans 9 = on/stand-by 10 = sound 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection |
| 1. 2. 3. 4. | v o v o v o v o v o v o v o v o v o v o | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in 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). Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). | | 30 31 32 N. 33 34 | c10 c11 c12 PAR. t1 t2 | 10 0 0 DEF. 100 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for injection stoppage (relative to steam setpoint) activate automatic steam injec- | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes 1 = no MIN MAX. 0 500 °C/°F 1 99 °C/°F 0 999 °C/°F steam setpoint - t3 injection available on reaching steam setpoint | | 65 | u3c | 6 | K3 output configuration | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartment fans 9 = on/stand-by 10 = sound 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood |
| 1. 22. 33. | v o v o v o v o v o v o v o v o v o v o | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in 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). Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). | | 30 31 32 N. 33 34 35 | c10 c11 c12 PAR. t1 t2 t3 | 10 0 0 DEF. 100 5 50 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for injection stoppage (relative to steam setpoint) activate automatic steam injection cycles at start-up of cooking cycle | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes 1 = no MIN MAX. 0 500 °C/°F 1 99 °C/°F 0 999 °C/°F steam setpoint - t3 injection available on reaching steam setpoint 0 = no 1 = yes | | 65 | u3c | 6 | K3 output configuration | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartments fans 9 = on/stand-by 10 = sound 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartments |
| 33. | Restoring factory N.B. Check that the fac RAMETERS. | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in 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). Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). settings (default) | | 30 31 32 N. 33 34 35 | c10 c11 c12 PAR. t1 t2 | 10 0 0 DEF. 100 5 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for injection stoppage (relative to steam setpoint) activate automatic steam injection cycles at start-up of cooking cycle deactivate automatic steam injection cycles at end of cooking | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes 1 = no MIN MAX. 0 500 °C/°F 1 99 °C/°F 0 999 °C/°F steam setpoint - t3 injection available on reaching steam setpoint 0 = no 1 = yes | | | | | | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartments fans 9 = on/stand-by 10 = sound 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartments fans 9 = on/stand-by 10 = sound |
| 1. 2. 3. 4. 4. 3 | Restoring factory N.B. Check that the fac RAMETERS. ure that the device i | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in 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). Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). settings (default) tory settings are appropriate; see the section CONFIGURATION PA- is switched off. Touch the INTERACTIVE 4 key: the display will show the "Con- | 3 | 30 31 32 N. 33 34 35 | c10 c11 c12 PAR. t1 t2 t3 | 10 0 0 DEF. 100 5 50 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for injection stoppage (relative to steam setpoint) activate automatic steam injection cycles at start-up of cooking cycle deactivate automatic steam injection cycles at end of cooking cycle steam generator on at power-on | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes 1 = no MIN MAX. 0 500 °C/°F 1 99 °C/°F 0 999 °C/°F steam setpoint - t3 injection available on reaching steam setpoint 0 = no 1 = yes 0 = no 1 = yes | | 65 | u3c | 6 | K3 output configuration K4 output configuration | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartment fans 9 = on/stand-by 10 = sound 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 0 = disabled 1 = top heaters |
| 1. 2. 3. 4. 4. 3 | Restoring factory N.B. Check that the fac RAMETERS. ure that the device i | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in 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). Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). settings (default) tory settings are appropriate; see the section CONFIGURATION PAssettings are appropriate; see the display will show the "Configuration" menu. Touch the INTERACTIVE 4 key: the display will show the "Configuration" menu. | 3 | 30 31 32 N. 33 34 35 | c10 c11 c12 PAR. t1 t2 t3 | 10 0 0 DEF. 100 5 50 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for injection stoppage (relative to steam setpoint) activate automatic steam injection cycles at start-up of cooking cycle deactivate automatic steam injection cycles at end of cooking cycle steam generator on at power-on time available with quick setting of automatic steam injection cy- | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes 1 = no MIN MAX. 0 500 °C/°F 1 99 °C/°F 0 999 °C/°F 0 999 °C/°F 0 991 °C/°F 3 injection available on reaching steam setpoint 0 = no 1 = yes 0 = no 1 = yes 0 = no 1 = yes 0 = injection time on 1 = injection time on and in- | | | | | | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartment fans 9 = on/stand-by 10 = sound 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 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light |
| 1. 2. 3. 4. 3 | Restoring factory N.B. Check that the fac RAMETERS. ure that the device i | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in 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). Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). settings (default) tory settings are appropriate; see the section CONFIGURATION PA- s switched off. Touch the INTERACTIVE 4 key: the display will show the "Configuration" menu. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Service". | 3 | 30 31 32 N. 33 34 35 | c10 c11 c12 PAR. t1 t2 t3 | 10 0 0 DEF. 100 5 50 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for injection stoppage (relative to steam setpoint) activate automatic steam injection cycles at start-up of cooking cycle deactivate automatic steam injection cycles at end of cooking cycle steam generator on at power-on time available with quick setting | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes | | | | | | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartmer fans 9 = on/stand-by 10 = sound 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartmer fans 9 = on/stand-by 10 = sound 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 5 = steam injection |
| 111. 112. 113. 1143 1143 11. 115. | Restoring factory N.B. Check that the fac RAMETERS. ure that the device i | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in 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). Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). settings (default) tory settings are appropriate; see the section CONFIGURATION PA-is switched off. Touch the INTERACTIVE 4 key: the display will show the "Configuration" menu. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Service". | 3 | 30 31 32 N. 33 34 35 | c10 c11 c12 PAR. t1 t2 t3 | 10 0 0 DEF. 100 5 50 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for injection stoppage (relative to steam setpoint) activate automatic steam injection cycles at start-up of cooking cycle deactivate automatic steam injection cycles at end of cooking cycle steam generator on at power-on time available with quick setting of automatic steam injection cy- | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes | | | | | | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartmen fans 9 = on/stand-by 10 = sound 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartmen fans 9 = on/stand-by 10 = sound 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood |
| 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7 | Restoring factory N.B. Check that the fac RAMETERS. ure that the device i | 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). Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Day". Touch the INTERACTIVE 3 key: the display will show the day in 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). Touch the INTERACTIVE 4 key to exit the procedure (or take no action for 60 s). settings (default) tory settings are appropriate; see the section CONFIGURATION PA- is switched off. Touch the INTERACTIVE 4 key: the display will show the "Configuration" menu. Touch the INTERACTIVE 1 key or the INTERACTIVE 2 key to select "Service". Touch the INTERACTIVE 3 key: the display will show "Password" in yellow. | £ | 30 31 32 N. 33 34 35 | c10 c11 c12 PAR. t1 t2 t3 | 10 0 0 DEF. 100 5 50 | heaters on in energy saving mode duration of controller cleaning setting used at end of the cooking phase deactivate the energy saving switching the device off STEAM INJECTION steam setpoint steam setpoint differential steam temperature threshold for injection stoppage (relative to steam setpoint) activate automatic steam injection cycles at start-up of cooking cycle deactivate automatic steam injection cycles at end of cooking cycle steam generator on at power-on time available with quick setting of automatic steam injection cy- | digital input 0 100 % effective only if P2 = 0 1 120 s 0 = setting phase 1 1 = last settings 0 = yes | | | | | | 4 = steam generator 5 = steam injection 6 = venting 7 = suction hood 8 = electronics compartment fans 9 = on/stand-by 10 = sound 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 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 0 = disabled 1 = top heaters 2 = floor heaters 3 = chamber light 4 = steam generator 5 = steam injection 6 = venting |

| EV | co s. | 67 | u5c | 4 | k5 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 |
|----|--------|---|---|---|---|--|
| | | 68 | u6c | 5 | K6 output configuration | 10 = sound 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 |
| | | 69 | u7c | 7 | K7 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 |
| | | 70 | u8c | 8 | K8 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 |
| _ | | N. | PAR. | DEF. | MODBUS | MIN MAX. |
| | | | | | | |
| | Id | 71 | LA Lb | 3 | MODBUS address MODBUS baud rate | 1 247 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud |
| _ | Id | 72 N. | Lb PAR. | 3 DEF. | MODBUS baud rate CENTRALIZED MANAGEMENT | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. |
| _ | Id | 72 | Lb | 3 | MODBUS baud rate | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud |
| _ | Id | 72 N. 73 | PAR. MS1 MS2 | 247 3 DEF. 1 | MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no 1 = yes |
| _ | Id | 72 N. 73 | PAR. MS1 | 247 3 DEF. | MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for inde- | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master |
| _ | Id | 72 N. 73 74 | PAR. MS1 MS2 MS3 | 247 3 DEF. 1 0 | MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without com- | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no 1 = yes 0 = no 1 = yes |
| _ | Id | 72 N. 73 74 75 76 | PAR. MS1 MS2 MS3 MS4 MS5 | 247 3 DEF. 1 0 30 30 | MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| - | Id | 72 N. 73 74 75 76 | PAR. MS1 MS2 MS3 MS4 | 247 3 DEF. 1 0 30 30 | MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| - | Id | 72 N. 73 74 75 76 | PAR. MS1 MS2 MS3 MS4 MS5 | 247 3 DEF. 1 0 30 30 | MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| - | Id | 72 N. 73 74 75 76 77 78 79 | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 | 247 3 DEF. 1 0 0 30 30 2 1 | MODBUS baud rate CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| - | Id | N. 73 74 75 76 77 880 81 82 | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 | 247 3 DEF. 1 0 0 30 30 2 1 999 0 | CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from floor | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| - | Id | 72 N. 73 74 75 76 77 88 80 81 | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 | 247 3 DEF. 1 0 30 30 2 1 9999 0 | CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from floor | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| - | ld | N. 73 74 75 76 80 81 82 83 84 | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 Pow Pt Pf Ph | 247 3 DEF. 1 0 30 30 2 1 1 9999 0 0 0 | CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the steam generator | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| - | Id | N. 73 74 75 76 77 880 81 82 83 | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 | 247 3 DEF. 1 0 30 30 2 1 1 999 0 0 | CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the steam | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| - | Id | N. 73 74 75 76 77 78 79 80 81 82 83 84 85 | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 Pow Pt Pf Ph Pb | 247 3 DEF. 1 0 0 30 30 2 1 1 999 0 0 0 0 | CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the steam generator steam generator type absorbed power from chamber light | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| | Id | 72 N. 73 74 75 76 77 78 80 81 82 83 84 85 86 N. | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 Pow Pt Pf Ph Pb Pbt Pbt PAR. | 999 O O DEF. | CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the steam generator steam generator type absorbed power from chamber light SICUREZZE | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| | id (>) | N. 73 74 75 76 77 88 79 80 81 82 83 84 85 86 | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 Pow Pt Pf Ph Pb Pbt | 999 0 0 0 0 0 0 0 0 0 0 | CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the steam generator steam generator type absorbed power from chamber light | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| | id | N. 73 74 75 76 77 78 80 81 82 83 84 85 86 N. 87 | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 Pow Pt Pf Ph Pb Pbt Pbt PAR. PA1 | 247 3 DEF. 1 0 30 30 2 1 1 9999 0 0 0 DEF. 426 | CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the steam generator steam generator type absorbed power from chamber light SICUREZZE level 1 password | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |
| | | N. 73 74 75 76 80 81 82 83 84 85 86 N. 87 88 | PAR. MS1 MS2 MS3 MS4 MS5 MS6 MS7 Pow Pt Ph Pb Pbt Pbt Pbt PAR. PA1 PA2 | 999 0 0 0 0 0 0 0 0 0 0 0 0 | CENTRALIZED MANAGEMENT INTRABUS address enable deck centralized management activate deck centralized management after power-on consecutive time without communication with master for independent regulation interval for power distribution recalculation number of devices in the network difference between number of slaves in the network and number of slaves communicating for master protections (master loads off) available power in the electric system absorbed power from top absorbed power from the suction hood absorbed power from the steam generator steam generator type absorbed power from chamber light SICUREZZE level 1 password level 2 password | 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud MIN MAX. 1 6 1 = dispositivo master 0 = no |

| 11 ALARMS | | |
|-----------------------|-----------|------------------------------------|
| | | |
| LABEL | RESET | TO CORRECT |
| Chamber probe | automatic | - check P0 |
| Top probe | automatic | - check the integrity of the probe |
| Floor probe | automatic | - check electrical connection |
| Steam probe | automatic | |
| Board probe | automatic | check operating temperature |
| time flashing | manual | set time and day of the week |
| Chamber high temp. | automatic | check A1 and A3 |
| Top high temp. | automatic | check A1 and A3 |
| Floor 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 |
| Top thermal switch | manual | check i0, i1, i3 and i4 |
| Floor thermal switch | manual | check i0, i1, i3 and i4 |

| 12 TECHNICAL SPECIFICATIONS | |
|---|--|
| | |
| Purpose of the control device: | function controller. |
| Construction of the control device: | built-in electronic device. |
| Housing: | black, self-extinguishing. |
| Category of heat and fire resistance: | D. |
| Measurements: | 76.4 x 148.4 x 77.0 mm (3 x 5 13/16 x 3 |
| | in). |
| Mounting methods for the control device: | to be fitted to a panel, screwed-in brackets |
| | provided. |
| Degree of protection provided by the cover- | IP65 (front). |

| ing: | | | | | |
|--|---|---|--|--|--|
| Connection meth | nod: | | | | |
| plug-in screw to | | Pico-Blade cor | nnector | female Micro USB connector | |
| for wires up to 2 | | | | | |
| Maximum permit | | onnection cable | es: | | |
| power supply: 10 | | | | s: 10 m (32.8 ft) | |
| digital inputs: 10 | | | | 10 m (32.8 ft) | |
| Operating tempe | | | | C (from 32 to 140 °F). | |
| | | | | | |
| Storage tempera | | | from -25 to 70 °C (from -13 to 158 °F). relative humidity without condensate from | | |
| Operating humid | iity: | | 10 to 90%. | illy without condensate from | |
| Dollution status | of the control do | ulaa. | | | |
| Pollution status of | or the control de | vice: | 3. | | |
| Compliance: RoHS 2011/65/E | | WEEE 2012/1 | 0./511 | DEACH (EC) Demileties I | |
| ROHS 2011/65/E | | WEEE 2012/1 | 9/EU | REACH (EC) Regulation N 1907/2006 | |
| FMC 2014/20/FL | | | LVD 2014/2E/E | | |
| EMC 2014/30/EL | J | | LVD 2014/35/E | | |
| Power supply: | | | l | C (+10% -15%), 50/60 Hz (± | |
| | | | Hz), max. in E\ | | |
| | | | | % -15%), 50/60 Hz (±3 Hz | |
| = | | | max. in EV832 | 8J4 | |
| Earthing method | | | none. | | |
| Rated impulse-w | | : | 2.5 KV | | |
| Over-voltage cat | | | 11. | | |
| Software class a | nd structure: | | A. | | |
| Clock: | | | built-in second | ary lithium battery. | |
| Clock drift: | | | ≤ 60 s/month | at 25 °C (77 °F). | |
| Clock battery au | utonomy in the | absence of a | > 24 h at 25 °C (77 °F). | | |
| power supply: | | | | | |
| Clock battery cha | arging time: | | 24 h (the battery is charged by the pow- supply of the device). | | |
| | | | | | |
| Analogue inputs: | | | 2 for J/K then | mocouples or Pt 100 2-wir | |
| | | | probes (cham | ber probe or top and floo | |
| | | | probes). | | |
| J thermocou- | Measurement f | ield: | from 0 to 700 | °C (from 32 to 999 °F). | |
| ples: | Resolution: | | 1 °C (1 °F). | | |
| K thermocou- | Measurement f | ield: | from 0 to 999 | °C (from 32 to 999 °F). | |
| | | | | | |
| ples: | Resolution: | | 1 °C (1 °F). | | |
| ples: Pt 100 probes: | Resolution: Measurement f | ield: | | °C (from 32 to 999 °F). | |
| ' | | ield: | | °C (from 32 to 999 °F). | |
| ' | Measurement f | | from 0 to 650 | | |
| Pt 100 probes: Digital inputs: | Measurement f | 1 dry contact | from 0 to 650 1 °C (1 °F). (multi-purpose | 2). | |
| Pt 100 probes: | Measurement f | 1 dry contact Contact type: | from 0 to 650 1 °C (1 °F). (multi-purpose | 2). 3.3 V, 1 mA | |
| Pt 100 probes: Digital inputs: Dry contact: | Measurement f | 1 dry contact Contact type: Protection: | from 0 to 650 1 °C (1 °F). (multi-purpose | 2). 3.3 V, 1 mA none. | |
| Pt 100 probes: Digital inputs: | Measurement f | 1 dry contact Contact type: Protection: can be config | from 0 to 650 1 °C (1 °F). (multi-purpose | 2). 3.3 V, 1 mA none. le input (steam probe) or digi | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: | Measurement f | 1 dry contact Contact type: Protection: can be config tal input (mu | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input | 2). 3.3 V, 1 mA none. le input (steam probe) or digital. | |
| Pt 100 probes: Digital inputs: Dry contact: | Measurement f | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu ti-purpose input solid state relay | 2). 3.3 V, 1 mA none. le input (steam probe) or digit in the control of the co | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: | Measurement f | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input solid state relay al relay (K3K8 | 2). 3.3 V, 1 mA none. le input (steam probe) or digit of the control of the co | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: | Measurement f | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input solid state relay al relay (K3K8 | 2). 3.3 V, 1 mA none. le input (steam probe) or digit 1). (K1 and K2) and 6 with elections. | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: | Measurement f Resolution: | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input solid state relay al relay (K3K8 um overall cur | 2). 3.3 V, 1 mA none. Is input (steam probe) or dig (1). 7 (K1 and K2) and 6 with electrolays). Tent permitted for loads in | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output | Measurement f Resolution: | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input solid state relay al relay (K3K8 um overall cur | 2). 3.3 V, 1 mA none. In input (steam probe) or dig (1). (K1 and K2) and 6 with electricals). In rent permitted for loads in the lactricals (1). | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output K3K7 relay: | Measurement f Resolution: | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input solid state relay al relay (K3K8 am overall cur 12 VDC, 15 m SPST, 8 A res | 2). 3.3 V, 1 mA none. In input (steam probe) or dig (1). (K1 and K2) and 6 with elector relays). In rent permitted for loads in the | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output K3K7 relay: K8 relay: | Measurement f Resolution: | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu iti-purpose input solid state relay al relay (K3K8 um overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res | 2). 3.3 V, 1 mA none. In input (steam probe) or dig (1). (K1 and K2) and 6 with elector relays). In rent permitted for loads in the | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output K3K7 relay: K8 relay: Type 1 or Type 2 | Measurement f Resolution: attack attack actions: | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu 15 A. | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analoguti-purpose input solid state relayal relay (K3K8 um overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res Type 1. | 2). 3.3 V, 1 mA none. In input (steam probe) or dig (1). (K1 and K2) and 6 with elector relays). In rent permitted for loads in the | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output K3K7 relay: K8 relay: Type 1 or Type 2 Additional featur | Measurement f Resolution: attack attack actions: | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu 15 A. | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analoguti-purpose input solid state relayal relay (K3K8 um overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res Type 1. | 2). 3.3 V, 1 mA none. In input (steam probe) or dig (1). (K1 and K2) and 6 with elector relays). In rent permitted for loads in the | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 outputs: K3K7 relay: K8 relay: Type 1 or Type 2 Additional featurations: | Measurement f Resolution: attack attack actions: | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu 15 A. | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input solid state relay al relay (K3K8 um overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res Type 1. C. | 2). 3.3 V, 1 mA none. Is input (steam probe) or dig (1). ((K1 and K2) and 6 with electrelays). rent permitted for loads in (1). A max. @ 250 VAC. | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output K3K7 relay: K8 relay: Type 1 or Type 2 Additional featur tions: Displays: | Measurement f Resolution: attack attack actions: | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu 15 A. | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input solid state relay al relay (K3K8 um overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res Type 1. C. | 2). 3.3 V, 1 mA none. In input (steam probe) or dig (1). (K1 and K2) and 6 with electrelays). In rent permitted for loads (1). In max. 2 250 VAC. | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output K3K7 relay: K8 relay: Type 1 or Type 2 Additional featur tions: Displays: Alarm buzzer: | Measurement f Resolution: attack attack actions: | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu 15 A. | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input solid state relay al relay (K3K8 um overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res Type 1. C. 2.8 inch TFT c built-in. | 2). 3.3 V, 1 mA none. Is input (steam probe) or dig 1). (K1 and K2) and 6 with electrelays). rent permitted for loads IA max. 2 250 VAC. 2 250 VAC. | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output K3K7 relay: K8 relay: Type 1 or Type 2 Additional featur tions: Displays: Alarm buzzer: Built-in sensors: | Measurement f Resolution: uts: actions: res of Type 1 | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for tro-mechanic The maximu 15 A. | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogu lti-purpose input solid state relay al relay (K3K8 um overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res Type 1. C. | 2). 3.3 V, 1 mA none. Is input (steam probe) or dig 1). (K1 and K2) and 6 with electrelays). rent permitted for loads in IA max. 2 250 VAC. 2 250 VAC. | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output K3K7 relay: K8 relay: Type 1 or Type 2 Additional featur tions: Displays: Alarm buzzer: Built-in sensors: Communications | Measurement f Resolution: ats: actions: res of Type 1 | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for The maximu 15 A. or Type 2 ac- | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analogulti-purpose input solid state relayal relay (K3K8 um overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res Type 1. C. 2.8 inch TFT c built-in. 1 (operating t | 2). 3.3 V, 1 mA none. In input (steam probe) or dig (1). (K1 and K2) and 6 with elector relays). In rent permitted for loads in the | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: Digital outputs: K1 and K2 output K3K7 relay: K8 relay: Type 1 or Type 2 Additional featuritions: Displays: Alarm buzzer: Built-in sensors: Communications 1 TTL MODBUS: | Measurement f Resolution: atts: actions: res of Type 1 are ports: slave port for 1 | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for The maximu 15 A. or Type 2 ac- | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analoguti-purpose input solid state relay al relay (K3K8 am overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res Type 1. C. 2.8 inch TFT c built-in. 1 (operating t | 2). 3.3 V, 1 mA none. In input (steam probe) or dig (1). (K1 and K2) and 6 with elector relays). Tent permitted for loads in the input (steam probe) are steam permitted for loads in the input (steam probe) or dig (steam permitted for loads in the input (steam permitted fo | |
| Pt 100 probes: Digital inputs: Dry contact: Other inputs: Digital outputs: K1 and K2 output K3K7 relay: Type 1 or Type 2 Additional featurations: Displays: Alarm buzzer: Built-in sensors: Communications 1 TTL MODBUS: programming ke | Measurement f Resolution: ats: actions: res of Type 1 ports: slave port for ty, for EVcon- | 1 dry contact Contact type: Protection: can be config tal input (mu 2 outputs for The maximu 15 A. or Type 2 ac- | from 0 to 650 1 °C (1 °F). (multi-purpose ured for analoguti-purpose input solid state relay al relay (K3K8 am overall cur 12 VDC, 15 m SPST, 8 A res SPDT, 8 A res Type 1. C. 2.8 inch TFT c built-in. 1 (operating t | 2). 3.3 V, 1 mA none. In input (steam probe) or dig (1). (K1 and K2) and 6 with electrically (K1). In rent permitted for loads (1). In max. @ 250 VAC. @ 250 VAC. | |



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

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