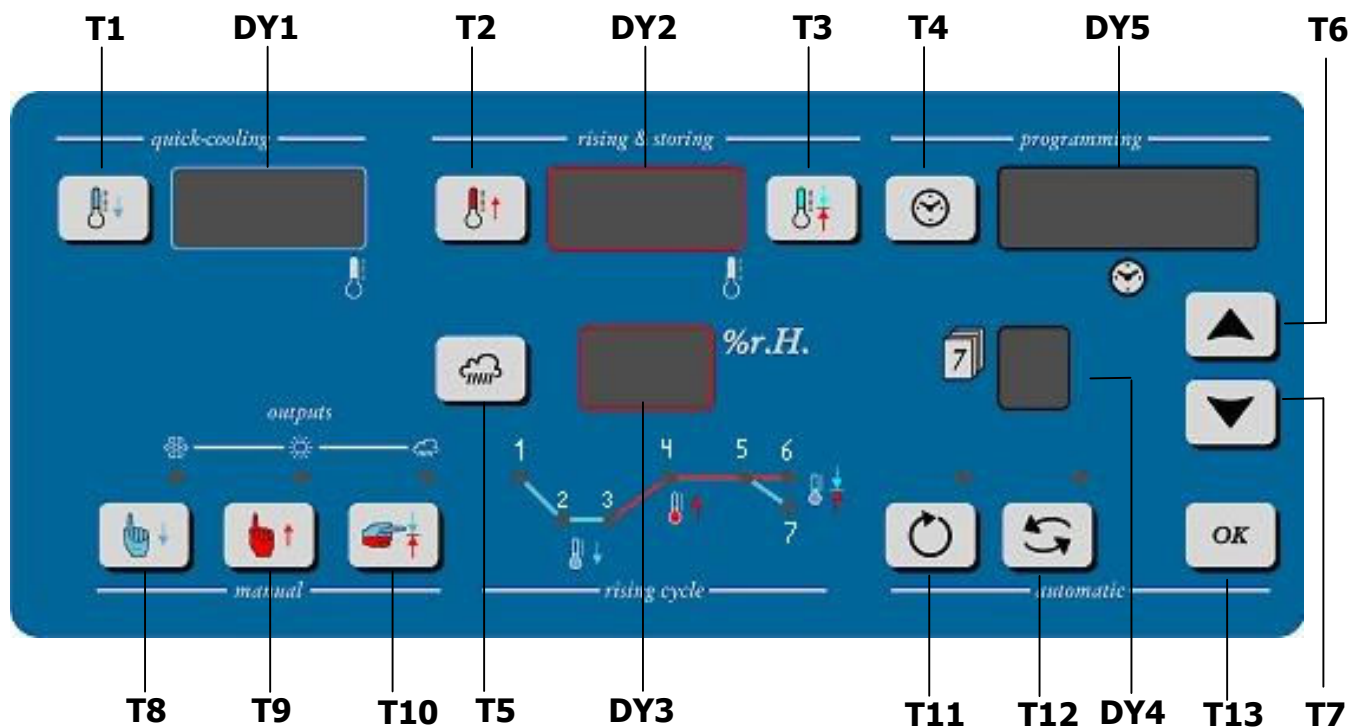


1.0 CONTROL PANEL



	T1	Hold / retard setpoint adjust/display		T8	Select manual freeze cycle
	T2	Prove setpoint adjust/display		T9	Select prove cycle
	T3	Hold-before-baking setpoint adjust/display		T10	Select retard cycle
	T4	Clock set		T11	Select manual mode
	T6	Increase		T12	Select automatic mode / select program
	T7	Decrease		T13	Confirm / Start cycle
	T5	Humidity setpoint adjust/display		DY5	Clock display
	DY1	Freeze/retard temperature display		DY3	Relative humidity display
	DY2	Prove/hold-before-baking temperature display		DY4	Display program / day of week
	L1 , L2 , L3 , L4 , L5 , L6 , L7		LEDs indicating phase in progress		

2.0 DESCRIPTION OF CYCLES

2.1 Notions on proving phases



The **5 phases** of retarding and controlled proving are sequential. Each phase starts when the previous one ends. The duration of each phase varies depending on the amount of product placed inside the unit and on the values set by the user.



Data relating to temperature and humidity setpoints can be edited by the user based on the specific requirements of the treated product.

1

Freezing

The purpose of the **freeze** cycle is to inhibit the fermentative growth of yeast cells in dough that has just been made up. The temperature in the compartment is progressively lowered to **-6°C** to cool the product quickly. During this phase, the electronic humidity control is not active

2

Retarding

The **retard** cycle keeps the product at a temperature of **2°C**. Yeast cells are inactive. The duration of this phase is variable and calculated automatically by the processor based on the cycle-end time set by the user. During retarding, the electronic humidity control is not active

3

Recovery

The **recovery** cycle progressively reactivates the fermentative action of the yeast cells. Temperature in the compartment is slowly raised to **+15°C**. The level of humidity is kept at around **80%**. The humidity setpoint is user editable based on the percentage of moisture contained in the dough (dry dough = more humidity; softer dough = less humidity).

4

Proving

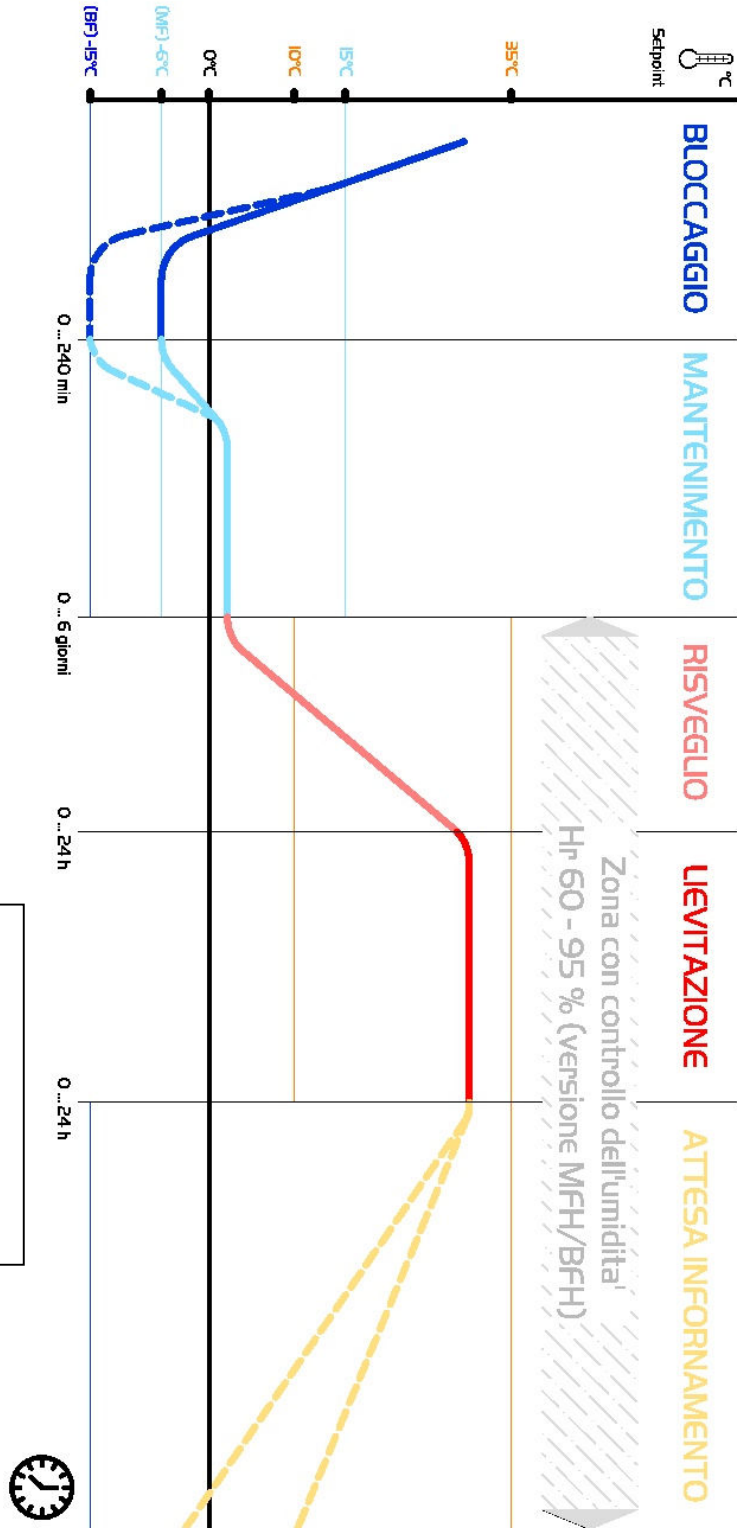
The **prove** cycle brings the dough's fermentation to completion. Temperature in the compartment is slowly raised to **+28°C**. The level of humidity is kept at around **85%**. The humidity setpoint is user editable based on the percentage of moisture contained in the dough (dry dough = more humidity; softer dough = less humidity).

5

Hold before baking

The **hold-before-baking** cycle keeps the dough risen at a temperature of **+15°C** (settable range 10°C to 35°C) and with a level of humidity of 80% until it is baked.

2.2 Graph of proving phases



0..6 days
 FREEZING
 RETARDING
 RECOVERY
 PROVING
 HOLD BEFORE BAKING
 Humidity-control zone
 RH 60 to 95%

3.0 MANUAL CYCLE



With the manual cycle, you can activate three individual phases of operation one at a time:

- **Refrigeration** - the appliance works like a freezer
- **Heating** - the appliance works like a prover
- **Retarding** - the appliance works like a retarder

Each phase is independent, there is no automatic switching from one phase to the next.

3.1 Switching on / off



Once you have turned on the appliance's power, the control panel (1.0) automatically runs a 5-second lamp test. The LEDs and displays come on for a few seconds, after which the unit goes to **standby** waiting for the next command.

Displays **DY4** and **DY5** give the day of the week and current time.



If a manual/automatic cycle was active before the appliance's power was cut, the circuit board automatically resumes the cycle with the previously set values (anti-blackout feature).




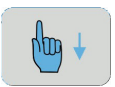


To stop the cycle and enter standby mode, press key T13  .



When in standby mode, the appliance is still powered. To switch the appliance off, unplug it from the power.

3.2 Manual refrigeration (freezer mode)

Shortcut commands while in standby mode

1	2	3	4
 <p>T11 Manual mode</p>	 <p>T8 Select Refrigeration</p>	 <p>T6/T7 Setpoint adjust</p>	 <p>T13 Start/Stop</p>



Command sequence in detail

1. Make sure the appliance is in **standby** mode (3.1)

2. Switch to manual mode by pressing key **T11** 

3. Select refrigeration mode by pressing key **T8** 





- LEDs **L1**, **L2** and **L3** flash
- Display **DY1** gives the temperature setpoint (**default setting -5°C**)

4. Where necessary, edit the setpoint using keys **T6**  and **T7** .

5. Start refrigeration mode by pressing key **T13** .

- LEDs **L1**, **L2** and **L3** stay lit
- The appliance maintains the setpoint temperature for an unlimited time







With manual refrigeration mode started, you can still edit the temperature setpoint by pressing key **T1**  to enable editing, keys **T6**  and **T7**  to set the value, and key **T13**  to confirm the setting. LEDs **L1**, **L2** and **L3** flash while the setpoint is being edited.



While the refrigeration phase is in progress, display **DY1** indicates the temperature in the compartment, whilst the other displays are off, except for **DY5**, which gives the current time.

3.3 Manual heating (prover mode)


Shortcut commands while in standby mode

1	2	3	4
 T11 Manual mode	 T9 Select Heating	 T6/T7 °C/%RH Setpoint adjust	 T13 Start/Stop



Command sequence in detail

1. Make sure the appliance is in **standby** mode (3.1)

2. Switch to manual mode by pressing key **T11** .

3. Select heating mode by pressing key **T9** .



- LEDs **L3**, **L4** and **L5** flash
- Display **DY2** gives the temperature setpoint (**default setting 25°C**)
- Display **DY3** gives the humidity setpoint (MFH and BFH versions) (**default setting 80%**)

4. Where necessary, edit the temperature setpoint using keys **T6**  and **T7** .

- With the heating phase already started






5. Press key **T5**  to enable editing of the humidity setpoint


- Display **DY3** flashes with the humidity setpoint (**default setting 80%**)

6. Where necessary, edit the humidity setpoint using keys **T6**  and **T7** .

7. Start heating mode by pressing key **T13** .

- LEDs **L3**, **L4** and **L5** stay lit
- Temperature and humidity setpoints are maintained for an unlimited time

 With manual heating mode started, you can still edit the temperature and humidity setpoint by pressing keys **T2**  and **T5**  to enable editing of the respective values, and keys **T6**  and **T7**  to set the relevant value. LEDs **L3**, **L4** and **L5** flash while the setpoint is being edited.

 During the heating phase, the temperature in the compartment is given on display **DY2**, whilst **DY3** gives the percentage of humidity measured in the cell.


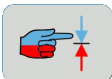



In manual heating mode, the appliance reaches the setpoint temperature as quickly as possible.



Since there are no gradual ramps as there are in automatic mode, thermal inertia causes temperature to rise above the setpoint. To avoid this problem, it is advisable to increase the setpoint gradually.

3.4 Manual retarding (retarder mode)

Shortcut commands while in standby mode

1	2	3	4
 T11 Manual mode	 T10 Select Retarding	  T6/T7 °C/%RH Setpoint adjust	 T13 Start/Stop



Command sequence in detail

1. Make sure the appliance is in **standby** mode (3.1)


2. Switch to manual mode by pressing key **T11** 

3. Select retard mode by pressing key **T10** .



- LEDs **L4**, **L5** and **L6** flash
- Display **DY2** gives the temperature setpoint (**default setting 25°C**)
- Display **DY3** gives the humidity setpoint (MFH and BFH versions) (**default setting 80%**)

4. Where necessary, edit the temperature setpoint using keys **T6**  and **T7** .

- With the retarding phase already started

5. Press key **T5**  to enable editing of the humidity setpoint

- Display **DY3** flashes with the humidity setpoint (**default setting 80%**)

6. Where necessary, edit the humidity setpoint using keys **T6**  and **T7** .

7. Start retard mode by pressing key **T13** .

- LEDs **L4**, **L5** and **L6** stay lit
- Temperature and humidity setpoints are maintained for an unlimited time



With manual retard mode started, you can still edit the temperature and humidity setpoint by pressing keys **T2** and **T5** to enable editing of the respective values, and keys **T6** and **T7** to set the relevant value. LEDs **L4**, **L5** and **L6** flash while the setpoint is being edited.



During the heating phase, the temperature in the compartment is given on display **DY2**, whilst **DY3** gives the percentage of humidity measured in the cell.

In manual retard mode, the appliance reaches the setpoint temperature as quickly as possible.



Since there are no gradual ramps as there are in automatic mode, thermal inertia causes temperature to rise above the setpoint.

To avoid this problem, it is advisable to increase the setpoint gradually.

3.5 Toggling between refrigeration and heating mode



While a manual phase is running, the user can switch from the refrigeration phase to heating and vice versa by pressing keys **T9** and **T8** respectively.

4.0 AUTOMATIC CYCLE



An automatic cycle consists of **5** phases:

- **Freezing** - inhibits fermentative growth of yeast cells
- **Retarding** - keeps yeast cells inactive
- **Recovery** - reactivates fermentative action of yeast cells
- **Proving** - brings the dough's fermentation to completion at the desired time
- **Holding before baking** - keeps dough risen until it is baked



Phases are sequential, with freezing always coming first. Each phase follows on from the last automatically based on the following settings:

- **Recovery duration**
- **Proving duration**
- **End-of-proving day and time**



Once the proving phase is finished, the buzzer emits a long beep, and the hold-before-baking phase starts and continues indefinitely

4.1 General notions



To set an automatic cycle, you need to create and store a program






















Up to **7** different programs can be stored, each optimized for the specific requirements of the product to be treated.




The slower the recovery and proving phase, the better the quality of the resulting product will be.

4.2 Creating a program


Command sequence in detail

1. Make sure the appliance is in **standby** mode (3.1)
2. Switch to automatic mode by pressing key **T12** .
 - Display **DY2** reads "dAy"
 - Display **DY5** gives the day "Mon, Tue, Wed, Thu, Fri, Sat, Sun" (day the cycle ends)
 - Display **DY3** reads "Pr" (program) and flashes
 - Display **DY4** gives the letter identifying the program "A,b,C,d,E,F,H"
3. Select the program you want to set using keys **T6**  and **T7** .
4. Hold key **T12**  down for 5 seconds
 - LEDs **L1** and **L2** flash
 - Display **DY1** gives the **freeze** setpoint
5. Where necessary, edit the **freeze** setpoint using keys **T6**  and **T7** .
6. Press key **T12** 
 - LEDs **L2** and **L3** flash
 - Display **DY1** gives the **retard** setpoint
7. Where necessary, edit the **retard** setpoint using keys **T6**  and **T7** .
8. Press key **T12** 
 - LED **L4** flashes
 - Display **DY1** gives the **recovery** setpoint
9. Where necessary, edit the **recovery** setpoint using keys **T6**  and **T7** .
10. Press key **T12** 
 - LED **L4** flashes
 - Display **DY3** gives the **recovery humidity** setpoint
11. Where necessary, edit the **recovery humidity** setpoint using keys **T6**  and **T7** .
12. Press key **T12** 
 - LED **L4** flashes
 - The hour portion of display **DY5** flashes
13. Set the hours of duration for the **recovery** period using keys **T6**  and **T7** .
14. Press key **T12** 
 - LED **L4** flashes
 - The minutes portion of display **DY5** flashes


15. Set the minutes of duration for the **recovery** period using keys **T6**  and **T7** .

16. Press key **T12** 
• LED **L5** flashes
• Display **DY2** gives the **prove** setpoint


17. Where necessary, edit the **proving** setpoint using keys **T6**  and **T7** .

18. Press key **T12** 
• LED **L5** flashes
• Display **DY3** gives the **prove humidity** setpoint


19. Where necessary, edit the **prove humidity** setpoint using keys **T6**  and **T7** .

20. Press key **T12** 
• LED **L5** flashes
• The hour portion of display **DY5** flashes

21. Set the hours of duration for the **proving** period using keys **T6**  and **T7** .

22. Press key **T12** 
• LED **L5** flashes
• The minutes portion of display **DY5** flashes


23. Set the minutes of duration for the **proving** period using keys **T6**  and **T7** .



24. Press key **T12** 
• LEDs **L6** and **L7** flash
• Display **DY2** gives the **hold-before-baking** setpoint


25. Where necessary, edit the **hold-before-baking** setpoint using keys **T6**  and **T7** .

26. Press key **T12** 
• LEDs **L6** and **L7** flash
• Display **DY3** gives the **hold-before-baking humidity** setpoint



27. Where necessary, edit the **hold-before-baking humidity** setpoint using keys **T6**  and **T7** .


28. Press key **T12** 
• LEDs **L6** and **L7** flash
• Display **DY4** flashes and indicates the default day of the week

29. Set the day of the week the program will end on using keys **T6**  and **T7** .



30. Press key **T12** 

- LEDs **L6** and **L7** flash
- The hour portion of display **DY5** flashes

31. Set cycle-end hour using keys **T6**  and **T7** .


32. Press key **T12** 

- LEDs **L6** and **L7** flash
- The minutes portion of display **DY5** flashes

33. Set cycle-end minutes using keys **T6**  and **T7** .



You exit automatic cycle setting mode in one of two ways:

- **session is timed out** if no key is pressed for 15 seconds. Once this time is up, the cycle is stored automatically and the appliance goes back to standby mode (reported by the buzzer beeping five times).
- **by pressing key T13** , the cycle is stored and begins running straight away (reported by the buzzer beeping five times).



4.3 Calling up a previously saved program

Command sequence in detail

7. Make sure the appliance is in **standby** mode (3.1)

8. Press key **T12** .


- Display **DY3** reads "Pr" (program) and flashes
- Display **DY4** gives the letter identifying the program "A,b,C,d,E,F,H"

9. Select the program you want to call up using keys **T6**  and **T7**  (**A,b,C,d,E,F,H**).

10. Press key **T12**  to edit the cycle-end day.

- Display **DY2** reads "day" and flashes
- Display **DY5** gives the day the program will end on "Mon, Tue, Wed, Thu, Fri, Sat, Sun"

11. Select the cycle-end day using keys **T6**  and **T7**  (**Mon, Tue, Wed, Thu, Fri, Sat, Sun**)

12. Press key **T13**  to start the program selected.

4.4 Program consistency check

When you select and run a stored program, the circuit board runs a test to check that the set times are consistent (for instance, you cannot set a total duration of 5 hours in a program featuring a 6-hour proving phase).



If the program is found to be inconsistent, displays DY4 and DY5 flash (all others are off) and the alarm sounds.











To check and edit the program, press T12  for 4 seconds.

To return to standby mode, press key T13 .

5.0 CLOCK

5.1 Date and time adjustment

Command sequence in detail

1. Make sure the appliance is in **standby** mode (3.1)
2. Hold key T4  down for 4 seconds.
 - Display **DY2** flashes
3. Use keys T6  and T7  to select the day of the week (Mon, Tue, Wed, Thu, Fri, Sat, Sun)
4. Press key T4  to confirm
 - display **DY5** (the hour portion) flashes
5. Set the current hour using keys T6  and T7 .
6. Press key T4  to move on to setting the minutes
 - display **DY5** (the minutes portion) flashes
7. Set the current minutes using keys T6  and T7 .
8. Press key T4  to return to standby mode

6.0 ALARMS




Each visual alarm warning is associated with an audible warning.


You can silence the buzzer by pressing key **T7** .

List of alarms


1. « **AL1** » flashing; **compartment sensor error**

- Tells you that compartment sensor is faulty or is not connected properly.
- If the alarm occurs during a cycle, the cycle is stopped and all outputs disabled. Once the alarm condition is over, the unit can be reset by pressing key **T13** . Following the reset, the circuit board enters standby mode.



2. « **AL3** » flashing; **evaporator sensor error**

- Tells you that evaporator sensor is faulty or is not connected properly.
- If the alarm occurs during a cycle, the cycle is stopped and all outputs disabled. Once the alarm condition is over, the unit can be reset by pressing key **T13** . Following the reset, the circuit board enters standby mode.

3. « **AL4** » flashing; **humidity sensor error**

- Tells you that humidity sensor is faulty or is not connected properly.
- If the alarm occurs during a cycle, the cycle is stopped and all outputs disabled. Once the alarm condition is over, the unit can be reset by pressing key **T13** . Following the reset, the circuit board enters standby mode.

4. « **AL6** » flashing; **buffer battery anomaly**

- Reports a problem with the circuit board's buffer battery - it may occur after the appliance has been disconnected from the power mains for a long time (several months).
- Hold key **T4**  down for a few seconds until the alarm ceases. Leave the appliance connected to the power for a few hours to recharge the battery.
-  If alarm persists, contact assistance department

5. **Door open alarm**

- When the door is opened, all functions are stopped temporarily, the lighting comes on and, after 60 seconds, the alarm buzzer sounds. The alarm ceases when the door is closed and the appliance returns to the state it was in before the door was opened.

MAINTENANCE AND CLEANING

Routine maintenance work can be carried out by non-specialized personnel, following the instructions given below to the letter

Before performing any maintenance or cleaning work, disconnect the appliance from the power mains.

Cleaning the appliance

You can wash the inside and outside using a sponge damp with lukewarm water and detergents with a non-aggressive chemical formula. Once you have finished cleaning, dry with a soft, dry cloth.

You are advised to apply polishing products on outer surfaces only.

Do not wash the appliance with jets of water.

Do not use scouring pastes or steel wool.

Cleaning the condenser

To keep the appliance working efficiently at all times, clean the condenser installed on top of the unit (or remote, according to the model) at regular intervals.

To do this, use a brush with soft bristles or a vacuum cleaner, being careful not to bend the aluminium fins.

The condenser features sharp edges. Wear protective gloves when cleaning.

Humidifier tank

The humidifying system features a tank with built-in electrodes for producing steam. The efficiency of these elements dwindles over time depending on water hardness and frequency of use.

If the humidity setpoint is no longer reached even though water supply is correct, the tank must be replaced.

TROUBLESHOOTING

Problem	Possible cause	Possible solution
The temperature goes down very slowly and does not reach the low set point	The gas level in the plant is low	Check where the leak is located and seal it. Refill the plant with gas
	The evaporator fans are not working	Check that the fan is not burnt. Replace the fan.
	The temperature probe is not working properly and does not detect the right temperature	The probe could be : - not connected properly (in this case reconnect) - broken (in this case replace)
	The motor condenser is dirty	Clean it as described in the manual
The temperature goes up very slowly and does not reach the high set point	The heating elements are not working	Check that the elements are not burnt. Replace the burnt elements.
	The evaporator fans are not working	Check that the fan is not burnt. Replace the fan.
	The temperature probe is not working properly and does not detect the right temperature	The probe could be : - not connected properly (in this case reconnect) - broken (in this case replace)
The humidity level does not reach the set point	The distribution duct is not outputting enough steam	Check that the hose connecting the humidifier and the distribution pipe is properly connected.
	The evaporator fans are not working	Check that the fan is not burnt. Replace the fan.
	The electronic steam producer is not working properly	See dedicated manual enclosed