

Blast Chiller

USER INTERFACE



(v.1.0)

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1. ENTRY STAGE

After the power-on, the introductory screen (stage “Entry”) appears. When the user switches on the first time the iPro, the first selections must be the language and the date/time.

After the set of the language and the date/time, the user will enter the Banner stage.

If during the Crankcase Heater the user touches the button  of the Banner stage, instead to see the main stage, in the banner stage will be visible the label “HOLD” flashing. This situation will be active until the delay will be expired; at the end of the delay, the application will show the main stage automatically.

If the crankcase heater does not work, the user touches the ON/OFF button of the banner stage to enter the main stage.

The Entry stage layout can be seen below:



“Entry” stage

The First Language Set stage layout can be seen below:



“First Language Set stage” stage

The First Date Set stage layout can be seen below:



“First Date set” stage

The Banner stage layout can be seen below:



“Banner” stage

NOTE:

Every time when the user changed one element of date or time, the iPro will not reboot immediately. It has a timer (60s) to allow user set the other elements of date & time once the user has changed one element of date or time, after the 60s and if the date or time has changed by user, then iPro will reboot

2. MAIN STAGE

“Main” stage shows following information.



“Main” stage

The symbol:

1. **Active Alarms:** When event alarm is detected, the symbol  appears and blinks.
2. **HACCP Alarms:** When HACCP alarm is detected, the symbol  appears and blinks.
3. **Room Light:** When the room light is active, the symbol  appears.
4. **Defrost Function:** When the defrost function is active, the symbol  appears. When the dripping function is active, the symbol blinks.
5. **Room Temperature:** The symbol  shows the current room temperature.
6. **The Cycle Status:** When the cycle is running, the symbol  appears, it will tell user which cycle is running.

In UNIT OFF state, the stage layout looks below:



“Main” stage

In ON state, the stage layout looks below:



“Main” stage

Key Functions:

1.  → Press the key to enter the Soft Chill stage.
2.  → Press the key to enter the Soft Freeze stage.
3.  → Press the key to enter the Hard Chill stage.
4.  → Press the key to enter the Hard Freeze stage.
5.  → Press the key to enter the Service stage.
6.  → Press the key to enter the Alarm stage
7.  → Press the key to enter the Programming stage
8.  → Press the key to enter the Menu stage.
9.  → Press the key to active the room light.
10.  → Press the key (1 sec) to select switch off the unit.

3. STANDARD CYCLE STAGE

There are 8 kinds of standard cycle: soft chill by temperature, soft chill by time, hard chill by temperature, hard chill by time, soft freeze by temperature, soft freeze by time, hard freeze by temperature, hard freeze by time.

3.1 BY TEMPERATURE

After press the button , we enter the “soft chill by temperature” stage.

When the cycle is in OFF state, the stage layout can be seen below:



“Soft Chill by Temperature” stage

When the cycle is in ON state, the stage layout can be seen below:



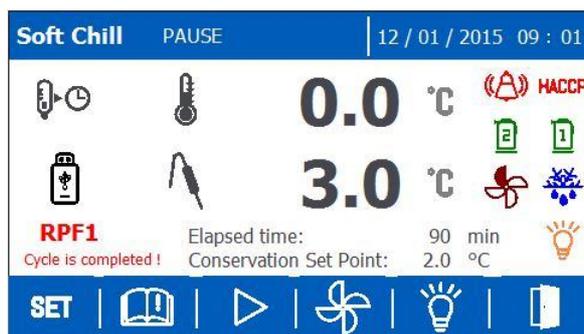
“Soft Chill by Temperature” stage

When the cycle is in conservation, the stage layout can be seen below:



“Soft Chill by Temperature” stage

When the cycle is in paused, the stage layout can be seen below:



“Soft Chill by Temperature” stage

The symbol:

1. **Active Alarms:** When event alarm is detected, the symbol appears and blinks.
2. **HACCP Alarms:** When HACCP alarm is detected, the symbol appears and blinks.
3. **Room Light:** When the room light is active, the symbol appears.
4. **Evap.Fan:** When the evap.fan is active, the symbol appears.
5. **Comp.1:** When the comp.1 is active, the symbol appears.
6. **Comp.2:** When the comp.2 is active, the symbol appears.
7. **Defrost Function:** When the defrost function is active, the symbol appears. When the dripping function is active, the symbol blinks.
8. **Cycle status:** When the cycle is completed, the symbol appears.
9. **Capacity of Log File:** When the capacity of log file is more than 75%, the symbol appears.
10. **The Phase Status:** When the cycle is running, the symbol appears, it will tell user which phase is running.
11. **Elapsed Time:** When the cycle is running, the symbol shows the elapsed time.
12. **Conservation Set Point:** The symbol shows the conservation set point.
13. **Room Temperature Set Point:** When the cycle is not running, the symbol **0.0 °C** shows the room temperature set point.
14. **Needle Temperature Set Point:** When the cycle is not running, the symbol **3.0 °C** shows the needle temperature set point.
15. **Room Temperature:** When the cycle is running, the symbol **0.0 °C** shows the room temperature.
16. **Needle Temperature:** When the cycle is running, the symbol **3.0 °C** shows the needle temperature.

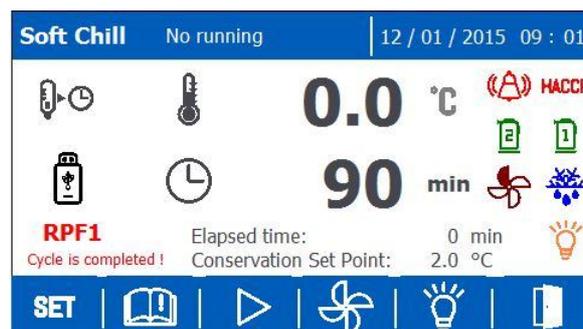
Key Functions:

1.  → Press the key to select mode: by temperature or by time (When the cycle is running, it could not work).
2.  → Press the key to enter the probe stage.
3.  → Press the key to enter the probe stage.
4.  → Press the key to stop the cycle.
5.  → Press the key to start the cycle.
6.  → Press the key to pause the cycle
7.  → Press the key to enter the set cycle stage (When the cycle is running, the button could not be visible).
8.  → Press the key to enter the Alarm stage
9.  → Press the key to enter the Evap.Fan stage
10.  → Press the key to active the room light.
11.  → Press the key to enter manual defrost stage (When the cycle phase is conservation, the button is visible).
12.  → Press the key to go back the pre stage (When the cycle is running, the button could not be visible).

3.2 BY TIME

After press the button , we enter the “soft chill by time” stage.

When the cycle is in OFF state, the stage layout can be seen below:



“Soft Chill by Time” stage

When the cycle is in ON state, the stage layout can be seen below:



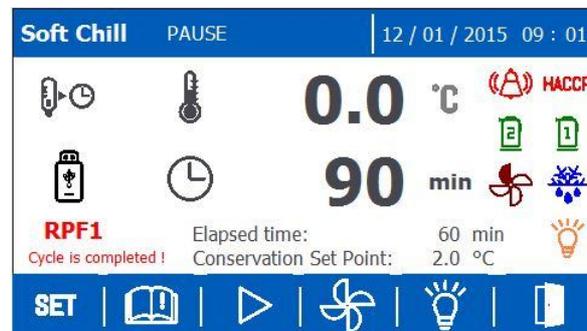
“Soft Chill by Time” stage

When the cycle is in conservation, the stage layout can be seen below:



“Soft Chill by Time” stage

When the cycle is in paused, the stage layout can be seen below:



“Soft Chill by Time” stage

The symbol:

1. **Active Alarms:** When event alarm is detected, the symbol  appears and blinks.
2. **HACCP Alarms:** When HACCP alarm is detected, the symbol  appears and blinks.
3. **Room Light:** When the room light is active, the symbol  appears.
4. **Evap. Fan:** When the evap. fan is active, the symbol  appears.
5. **Comp.1:** When the comp.1 is active, the symbol  appears.
6. **Comp.2:** When the comp.2 is active, the symbol  appears.
7. **Defrost Function:** When the defrost function is active, the symbol  appears. When the dripping function is active, the symbol blinks.

8. **Cycle status:** When the cycle is completed, the symbol  appears.
9. **Capacity of Log File:** When the capacity of log file is more than 75%, the symbol  appears.
10. **The Phase Status:** When the cycle is running, the symbol  appears, it will tell user which phase is running.
11. **Elapsed Time:** When the cycle is running, the symbol  shows the elapsed time.
12. **Conservation Set Point:** The symbol  shows the conservation set point.
13. **Room Temperature Set Point:** When the cycle is not running, the symbol  **0.0** °C shows the room temperature set point.
14. **The Cycle Total Time:** When the cycle is not running, the symbol  **90** min shows the needle temperature set point.
15. **Room Temperature:** When the cycle is running, the symbol  **0.0** °C shows the room temperature.
16. **The Cycle Time:** When the cycle is running, the symbol  **90** min shows the needle temperature

Key Functions:

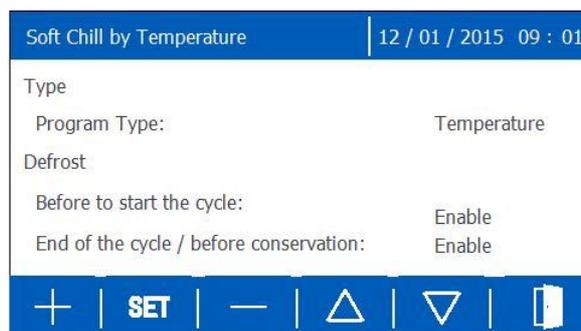
1.  → Press the key to select mode: by temperature or by time (When the cycle is running, it could not work).
2.  → Press the key to enter the probe stage.
3.  → Press the key to enter the probe stage.
4.  → Press the key to stop the cycle.
5.  → Press the key to start the cycle.
6.  → Press the key to pause the cycle
7.  → Press the key to enter the set cycle stage (When the cycle is running, the button could not be visible).
8.  → Press the key to enter the Alarm stage
9.  → Press the key to enter the Evap.Fan stage
10.  → Press the key to active the room light.
11.  → Press the key to enter manual defrost stage (When the cycle phase is conservation, the button is visible).

12.  → Press the key to go back the pre stage (When the cycle is running, the button could not be visible).

3.3 SET CYCLE

After press the button , we enter the “Set Cycle” stage.

The Set Cycle stage layout can be seen below:



“Set Cycle” stage

Key Functions:

1.  → Press the key to page up
2.  → Press the key to page down.
3.  → Press the key to increase the number or move the curse.
4.  → Press the key to decrease the number or move the curse..
5.  → Press the key to active the value or confirm the value.
6.  → Press the key to go back the pre stage

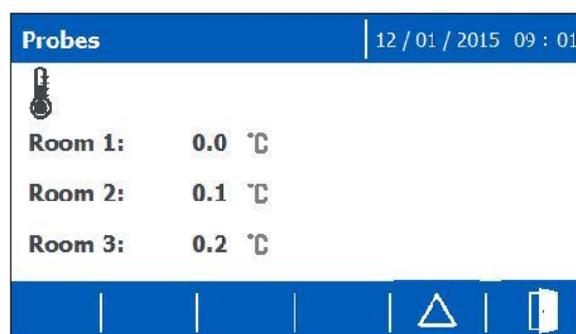
3.4 PROBES

After press the button  or , we enter the “Probe” stage.

The Probe stage shows the room temperature and needle temperature. The Probe stage layout can be seen below:



“Probe” stage



“Probe” stage

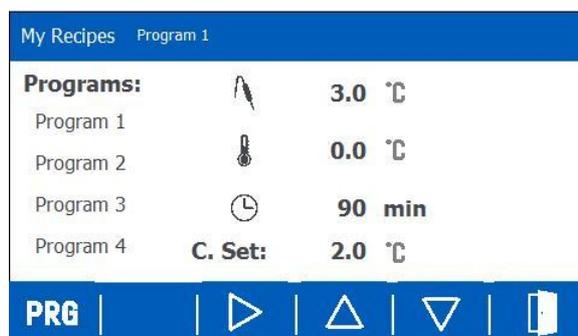
Key Functions:

1.  → Press the key to page up
2.  → Press the key to page down.
3.  → Press the key to go back the pre stage

4. PROGRAMMING CYCLE

After press the button , we enter the “Recipes” stage.

The Programming stage layout can be seen below:



“Programming” stage

Key Functions:

1.  → Press the key to page up
2.  → Press the key to page down.
3.  → Press the key to start the selected programming cycle and enter Programming stage.
4.  → Press the key to enter the probe stage.
5.  → Press the key to enter the probe stage.
6.  → Press the key to enter the My Recipes stage.
7.  → Press the key to go back the pre stage.

4.1 PROGRAMMING

In the Recipes stage, press the button , we enter the “Programming” stage.

When the cycle is in OFF state, the stage layout can be seen below:



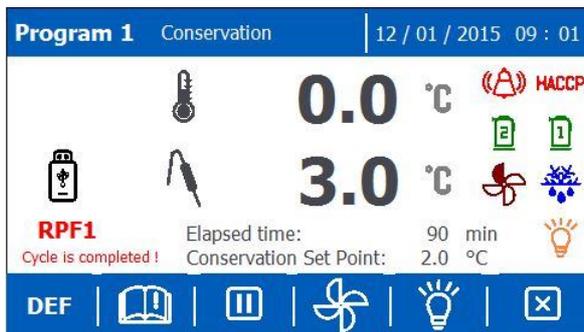
“Programming” stage

When the cycle is in ON state, the stage layout can be seen below:



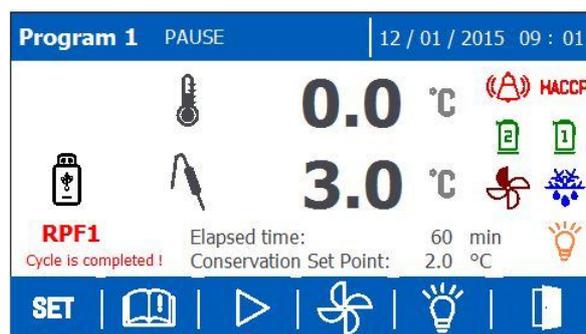
“Programming” stage

When the cycle is in conservation, the stage layout can be seen below:



“Programming” stage

When the cycle is in paused, the stage layout can be seen below:



“Programming” stage

The symbol:

1. **Active Alarms:** When event alarm is detected, the symbol appears and blinks.
2. **HACCP Alarms:** When HACCP alarm is detected, the symbol appears and blinks.
3. **Room Light:** When the room light is active, the symbol appears.
4. **Evap.Fan:** When the evap.fan is active, the symbol appears.
5. **Comp.1:** When the comp.1 is active, the symbol appears.
6. **Comp.2:** When the comp.2 is active, the symbol appears.
7. **Defrost Function:** When the defrost function is active, the symbol appears. When the dripping function is active, the symbol blinks.
8. **Cycle status:** When the cycle is completed, the symbol appears.
9. **Capacity of Log File:** When the capacity of log file is more than 75%, the symbol appears.
10. **The Phase Status:** When the cycle is running, the symbol appears, it will tell user which phase is running.
11. **Elapsed Time:** When the cycle is running, the symbol shows the elapsed time.
12. **Conservation Set Point:** The symbol shows the conservation set point.
13. **Room Temperature Set Point:** When the cycle is not running, the symbol shows the room temperature set point.
14. **The Cycle Total Time:** When the cycle is not running, the symbol shows the needle temperature set point.
15. **Room Temp.:** When the cycle is running, the symbol shows the room temperature.
16. **The Cycle Time:** When the cycle is running, the symbol shows the needle temperature.
17. **Needle Temperature Set Point:** When the cycle is not running, the symbol shows the needle temperature set point.
18. **Needle Temperature:** When the cycle is running, the symbol shows the needle temperature.

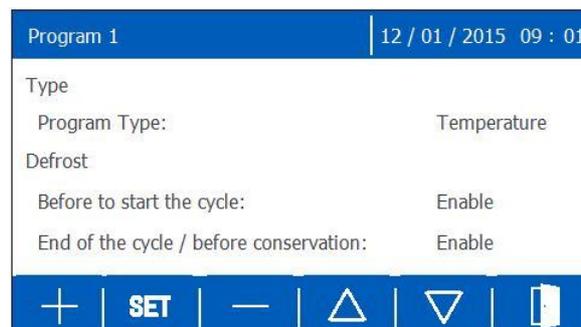
Key Functions:

1.  → Press the key to enter the probe stage.
2.  → Press the key to enter the probe stage.
3.  → Press the key to stop the cycle.
4.  → Press the key to start the cycle.
5.  → Press the key to pause the cycle
6.  → Press the key to enter the set cycle stage (When the cycle is running, the button could not be visible).
7.  → Press the key to enter the Evap.Fan stage
8.  → Press the key to active the room light.
9.  → Press the key to enter manual defrost stage (When the cycle phase is conservation, the button is visible).
10.  → Press the key to go back the pre stage (When the cycle is running, the button could not be visible).

4.2 SET CYCLE

After press the button , we enter the “My Recipes” stage.

The My Recipes stage layout can be seen below:



“My Recipes” stage

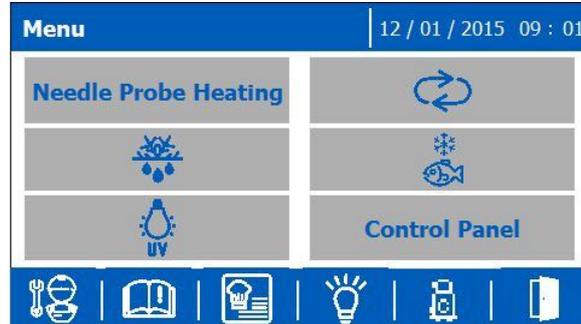
Key Functions:

1.  → Press the key to page up
2.  → Press the key to page down.
3.  → Press the key to increase the number or move the curse.
4.  → Press the key to decrease the number or move the curse..
5.  → Press the key to active the value or confirm the value.
6.  → Press the key to go back the pre stage

5. MENU STAGE

After press the button , we enter the “Menu” stage.

The stage layout can be seen below:



“Menu” stage

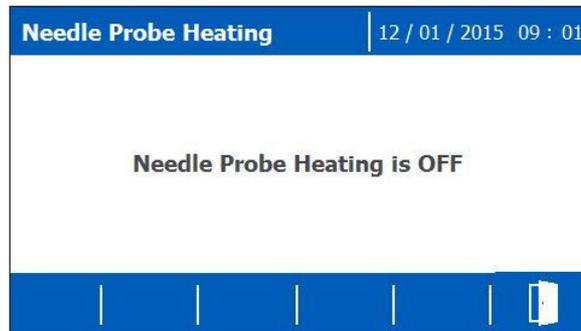
Key Functions:

1. → Press the key to enter the Needle Probe Heating stage.
2. → Press the key to enter the Continuous Cycle stage.
3. → Press the key to enter the Manual Defrost stage.
4. → Press the key to enter the Fish Sanification Cycle stage.
5. → Press the key to enter the UV Cycle stage.
6. → Press the key to enter the Control Panel stage
7. → Press the key to enter the Service stage.

- 8.  → Press the key to enter the Alarm stage
- 9.  → Press the key to enter the Programming stage
- 10.  → Press the key to active the room light.
- 11.  → Press the key to enter the Compressor Control stage.
- 12.  → Press the key to go back the Main stage

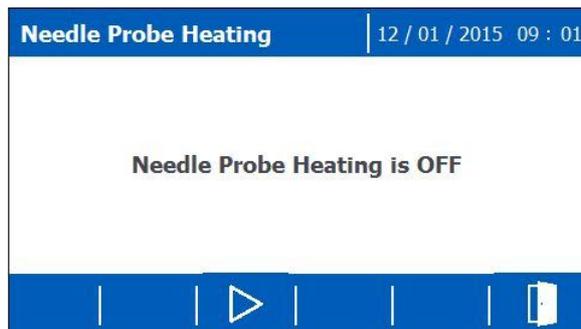
5.1 NEEDLE PROBE HEATING

From the stage “Menu”, press the button , we could enter the Needle Probe Heat stage. When the condition to start the Needle Probe Heating is not present, the stage layout can be seen below:



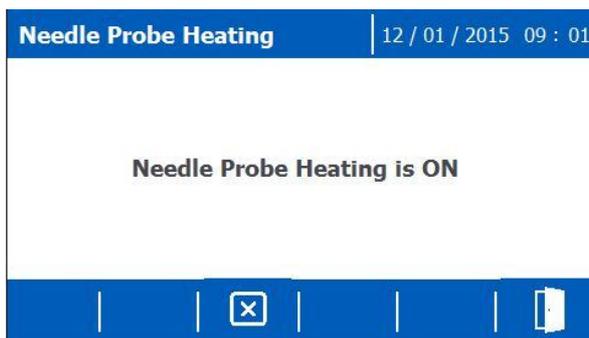
“Needle Probe Heating” stage

When the condition to start the Needle Probe Heating is present, the stage layout can be seen below:



“Needle Probe Heating” stage

When the Needle Probe Heating is working, the stage layout can be seen below:



“Needle Probe Heating” stage

Key Functions:

1.  → Press the key to start the function “Needle Probe Heating”.
2.  → Press the key to stop the function “Needle Probe Heating”.
3.  → Press the key to go back the Menu stage

5.2 MANUAL DEFROST

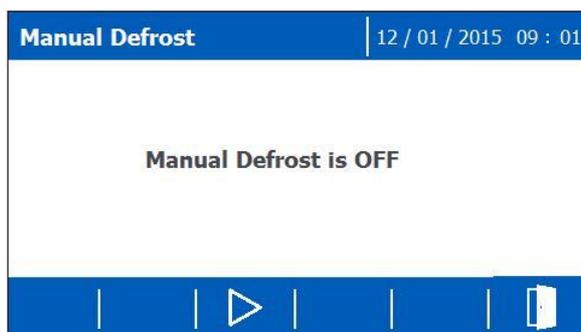
From the stage “Menu”, press the button  , we could enter the Manual Defrost stage.

When the condition to start the Manual Defrost is not present, the stage layout can be seen below:



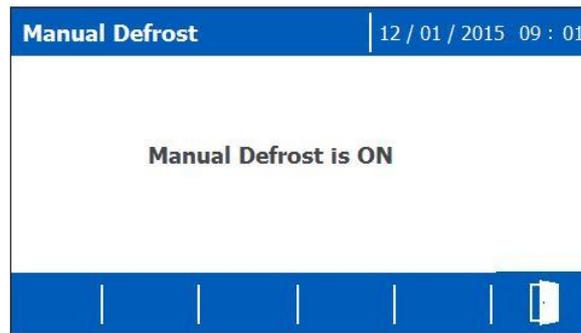
“Manual Defrost” stage

When the condition to start the Manual Defrost is present, the stage layout can be seen below:



“Manual Defrost” stage

When the Needle Probe Heating is working, the stage layout can be seen below:



“Manual Defrost” stage

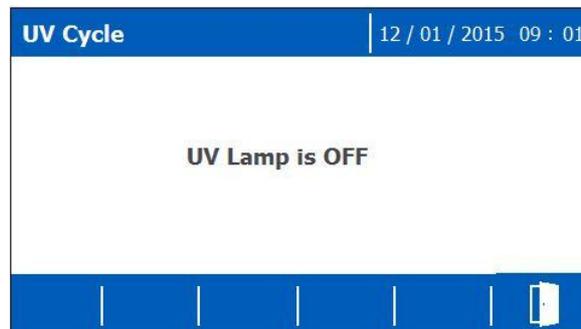
Key Functions:

1.  → Press the key to start Manual Defrost.
2.  → Press the key to go back the Menu stage.

5.3 UV CYCLE

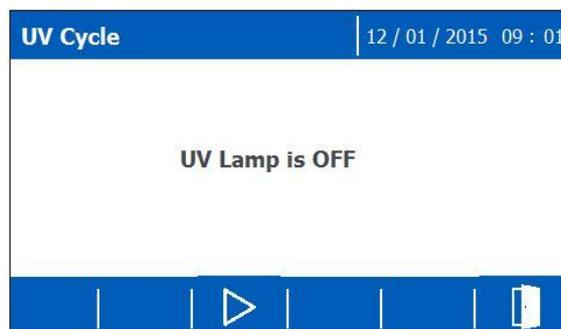
From the stage “Menu”, press the button  , we could enter the UV Lamp stage.

When the condition to start the UV Lamp is not present, the stage layout can be seen below:



“UV Cycle” stage

When the condition to start the UV Lamp is present, the stage layout can be seen below:



“UV Cycle” stage

When the UV Lamp is working, the stage layout can be seen below:



“UV Cycle” stage

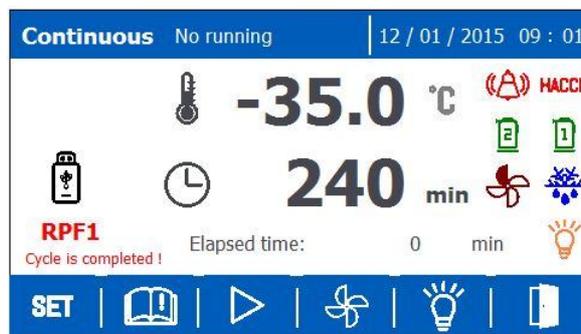
Key Functions:

1.  → Press the key to start the UV lamp.
2.  → Press the key to stop the UV lamp.
3.  → Press the key to go back the Menu stage.

5.4 CONTINUOUS CYCLE

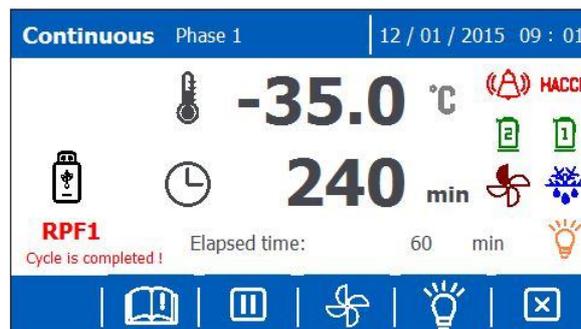
From the stage “Menu”, press the button  , we could enter the Continuous stage.

When the cycle is in OFF state, the stage layout can be seen below:



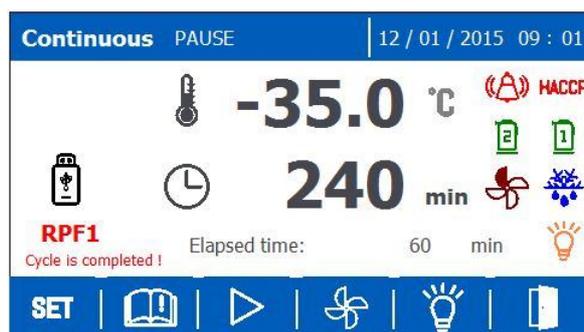
“Continuous Cycle” stage

When the cycle is in ON state, the stage layout can be seen below:



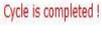
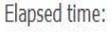
“Continuous Cycle” stage

When the cycle is in paused, the stage layout can be seen below:



“Continuous Cycle” stage

The symbol:

1. **Active Alarms:** When event alarm is detected, the symbol  appears and blinks.
2. **HACCP Alarms:** When HACCP alarm is detected, the symbol  appears and blinks.
3. **Room Light:** When the room light is active, the symbol  appears.
4. **Evap.Fan:** When the evap.fan is active, the symbol  appears.
5. **Comp.1:** When the comp.1 is active, the symbol  appears.
6. **Comp.2:** When the comp.2 is active, the symbol  appears.
7. **Defrost Function:** When the defrost function is active, the symbol  appears. When the dripping function is active, the symbol blinks.
8. **Cycle status:** When the cycle is completed, the symbol  appears.
9. **Capacity of Log File:** When the capacity of log file is more than 75%, the symbol  appears.
10. **The Phase Status:** When the cycle is running, the symbol  appears, it will tell user which phase is running.
11. **Elapsed Time:** When the cycle is running, the symbol  shows the elapsed time.
12. **Room Temperature Set Point:** When the cycle is not running, the symbol  shows the room temperature set point.
13. **The Cycle Total Time:** When the cycle is not running, the symbol  shows the needle temperature set point.
14. **Room Temperature:** When the cycle is running, the symbol  shows the room temperature.
15. **The Cycle Time:** When the cycle is running, the symbol shows  the needle temperature.

Key Functions:

1.  → Press the key to enter the probe stage.

2.  → Press the key to enter the probe stage.
3.  → Press the key to stop the cycle.
4.  → Press the key to start the cycle.
5.  → Press the key to pause the cycle
6.  → Press the key to enter the Continuous Set stage (When the cycle is running, the button could not be visible).
7.  → Press the key to enter the Alarm stage
8.  → Press the key to enter the Evap.Fan stage
9.  → Press the key to active the room light.
10.  → Press the key to enter manual defrost stage (When the cycle phase is conservation, the button is visible).
11.  → Press the key to go back the pre stage (When the cycle is running, the button could not be visible).

5.5 CONTINUOUS SET

In the Continuous Cycle stage, press the button , we enter the “Continuous Set” stage.

The Continuous Set stage layout can be seen below:

Continuous Cycle		12 / 01 / 2015 09 : 01	
Phase 1			
Max Phase Duration:	00:00	Hour	
Evap. Fan Speed:	100	%	
			

“Continuous Set” stage

Key Functions:

1.  → Press the key to page up
2.  → Press the key to page down.
3.  → Press the key to increase the number or move the curse.

4.  → Press the key to decrease the number or move the curse..
5.  → Press the key to active the value or confirm the value.
6.  → Press the key to go back the pre stage

5.6 FISH SANIFICATION

From the stage “Menu”, press the button  , we could enter the Fish Sanification stage.
 When the cycle is in OFF state, the stage layout can be seen below:



“Fish Sanification” stage

When the cycle is in ON state, the stage layout can be seen below:



“Fish Sanification” stage

When the cycle is in conservation, the stage layout can be seen below:



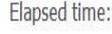
“Fish Sanification” stage

When the cycle is in paused, the stage layout can be seen below:



“Fish Sanification” stage

The symbol:

1. **Active Alarms:** When event alarm is detected, the symbol  appears and blinks.
2. **HACCP Alarms:** When HACCP alarm is detected, the symbol  appears and blinks.
3. **Room Light:** When the room light is active, the symbol  appears.
4. **Evap.Fan:** When the evap.fan is active, the symbol  appears.
5. **Comp.1:** When the comp.1 is active, the symbol  appears.
6. **Comp.2:** When the comp.2 is active, the symbol  appears.
7. **Defrost Function:** When the defrost function is active, the symbol  appears. When the dripping function is active, the symbol blinks.
8. **Cycle status:** When the cycle is completed, the symbol  appears.
9. **Capacity of Log File:** When the capacity of log file is more than 75%, the symbol  appears.
10. **The Phase Status:** When the cycle is running, the symbol  appears, it will tell user which phase is running.
11. **Elapsed Time:** When the cycle is running, the symbol  shows the elapsed time.
12. **Conservation Set Point:** The symbol  shows the conservation set point.
13. **Room Temperature Set Point:** When the cycle is not running, the symbol  shows the room temperature set point.
14. **The Cycle Total Time:** When the cycle is not running, the symbol  shows the needle temperature set point.
15. **Room Temperature:** When the cycle is running, the symbol  shows the room temperature.
16. **The Cycle Time:** When the cycle is running, the symbol shows  the needle temperature.

Key Functions:

1.  → Press the key to enter the probe stage.

2.  → Press the key to enter the probe stage.
3.  → Press the key to stop the cycle.
4.  → Press the key to start the cycle.
5.  → Press the key to pause the cycle
6.  → Press the key to enter the set cycle stage (When the cycle is running, the button could not be visible).
7.  → Press the key to enter the Alarm stage
8.  → Press the key to enter the Evap.Fan stage
9.  → Press the key to active the room light.
10.  → Press the key to enter manual defrost stage (When the cycle phase is conservation, the button is visible).
11.  → Press the key to go back the pre stage (When the cycle is running, the button could not be visible)

5.7 FISH SANIFICATION SET

In Fish Sanification stage, press the button , we enter the “Fish Sanification Set” stage.

The Fish Sanification Set stage layout can be seen below:

Fish Sanification		12 / 01 / 2015 09 : 01
Defrost		
Before to start the cycle:		Enable
End of the cycle / before conservation:		Enable
Conservation		
Set Point Room:		-40.0 °C
Evap. Fan Speed:		100 %
		

“Fish Sanification Set” stage

Key Functions:

1.  → Press the key to page up
2.  → Press the key to page down.
3.  → Press the key to increase the number or move the curse.

4.  → Press the key to decrease the number or move the cursor..
5.  → Press the key to active the value or confirm the value.
6.  → Press the key to go back the pre stage

5.8 COMPRESSOR

From the stage “Menu”, press the button  , we could enter the Compressor stage.

The compressor stage layout can be seen below:



“Compressor” stage

Key Functions:

1.  → When the cursor is on the Comp.1 working hours, press the key to reset the Comp.1 working hours.

When the cursor is on the Comp.2 working hours, press the key to reset the Comp.2 working hours.

2.  → Press the key to go back the Menu stage

Password is required for certain users when reset the compressor working hours. The password stage layout can be seen below:



“Compressor Password” stage

Key Functions:

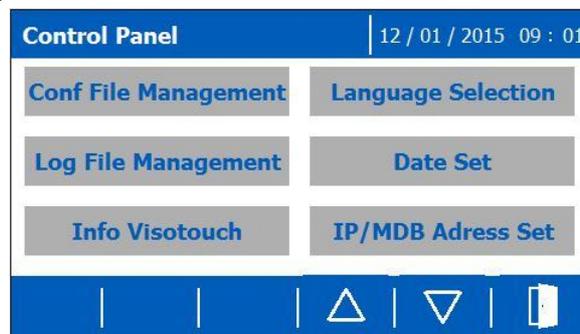
1.  → Press the key to move the cursor to the left.

2.  → Press the key to move the cursor to the right.
3.  → Press the key to increase the number.
4.  → Press the key to decrease the number.
5.  → Press the key to input the password.
6.  → Press the key to go back the Menu stage

5.9 CONTROL PANEL

From the stage “Menu”, press the button  , we could enter the Control Panel stage.

The Control Panel stage layout can be seen below:

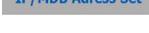
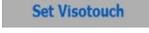


“Control Panel” stage



“Control Panel” stage

Key Functions:

1.  → Press the key to enter the Conf File Management stage
2.  → Press the key to enter the Log File Management stage
3.  → Press the key to enter the Info Visotouch stage
4.  → Press the key to enter the Language Selection stage
5.  → Press the key to enter the Date Set stage.
6.  → Press the key to enter the IP/MDB Address Set stage
7.  → Press the key to enter the Set Visotouch stage

8.  → Press the key to page up
9.  → Press the key to page down
10.  → Press the key to go back the Menu stage

5.10 CONF FILE MANAGEMENT

From the stage “Control Panel”, press the button , we could enter the Conf File Management stage.

The Conf File Management stage layout can be seen below:



“Conf File Management” stage

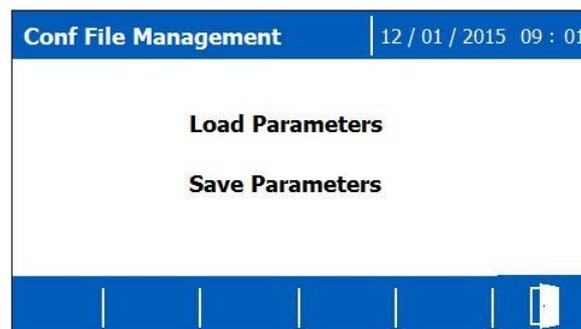
Key Functions:

1.  → Press the key to enter the Standard Parameters Conf File Management stage.
2.  → Press the key to enter the User Parameters Conf File Management stage.
3.  → Press the key to go back the Control Panel stage.

5.11 STANDARD PARAMETERS CONF FILE MANAGEMENT

From the stage “Conf File Management”, press the button , we could enter the Standard Parameters Conf File Management stage.

The Standard Parameters Conf File Management stage layout can be seen below:

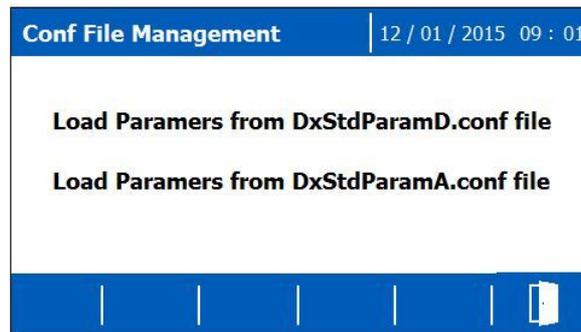


“Standard Parameters Conf File Management” stage

Key Functions:

1. **Load Parameters** → Press the key to enter the Standard Parameters Conf File Load Parameters stage.
2. **Save Parameters** → Press the key to enter the Standard Parameters Conf File Save Parameters stage.
3.  → Press the key to go back to Conf File Management stage.

The Standard Parameters Conf File Load Parameters stage layout can be seen below:

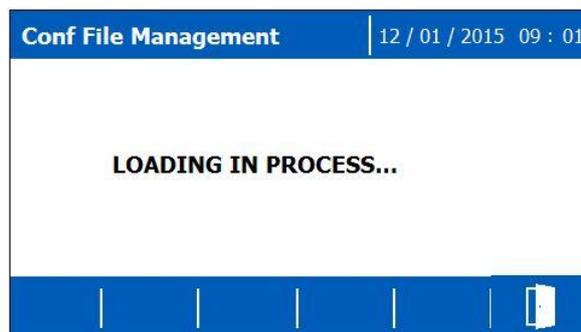


“Standard Parameters Conf File Load Parameters” *stage*

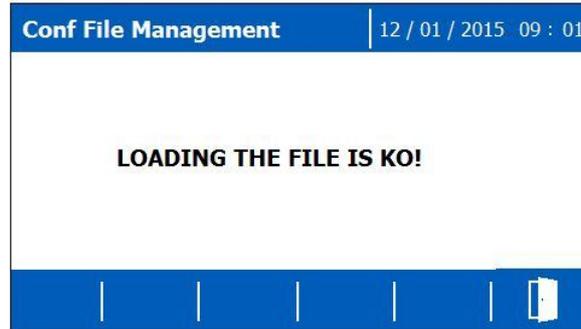
Key Functions:

1. **Load Paramers from DxStdParamD.conf file** → Press the key load DxStdParamD conf file parameters.
2. **Load Paramers from DxStdParamA.conf file** → Press the key load DxStdParamA conf file parameters.
3.  → Press the key to go back to Standard Parameters Conf File Management.

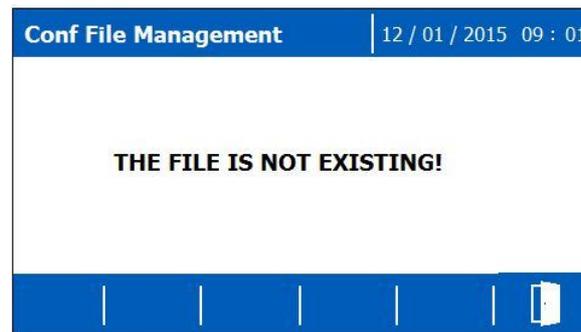
The Standard Parameters Conf File Load Parameters Status stage layout can be seen below:



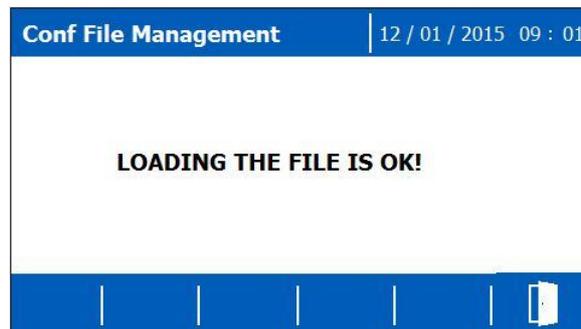
“Standard Parameters Conf File Load Parameters” *stage*



“Standard Parameters Conf File Load Parameters” stage



“Standard Parameters Conf File Load Parameters” stage



“Standard Parameters Conf File Load Parameters” stage

The Standard Parameters Conf File Save Parameters stage layout can be seen below:

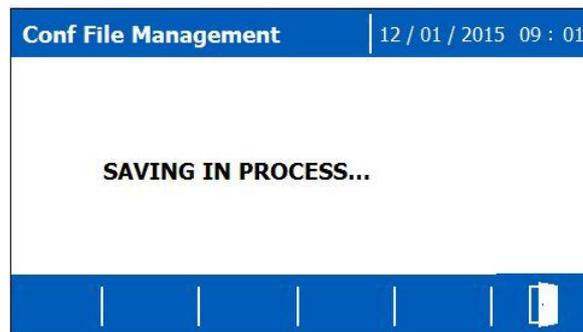


“Standard Parameters Conf File Save Parameters” stage

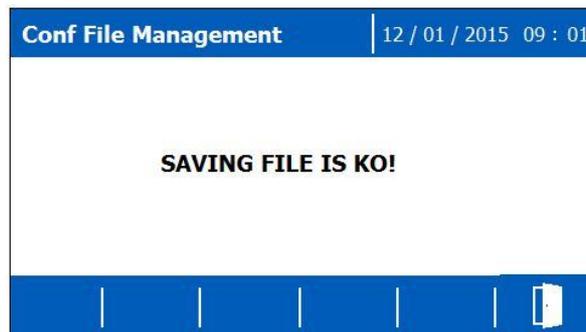
Key Functions:

1. Save Paramers in DxStdParamD.conf file → Press the key save DxStdParamD conf file parameters.
2. Save Paramers in DxStdParamA.conf file → Press the key save DxStdParamA conf file parameters.
3.  → Press the key to go back to Standard Parameters Conf File Management.

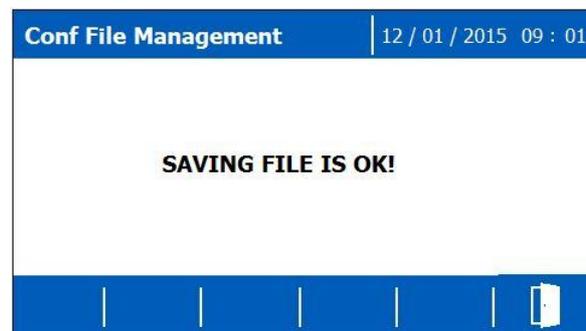
The Standard Parameters Conf File Save Parameters Status stage layout can be seen below:



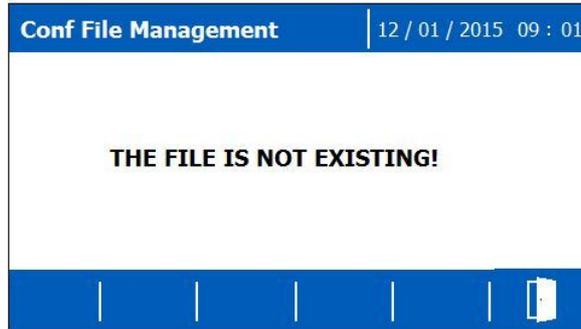
“Standard Parameters Conf File Save Parameters” *stage*



“Standard Parameters Conf File Save Parameters” *stage*



“Standard Parameters Conf File Save Parameters” *stage*

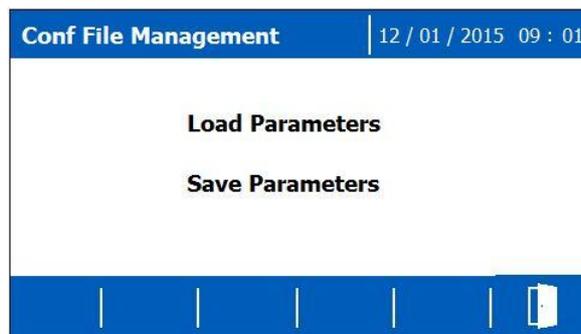


“Standard Parameters Conf File Save Parameters” stage

5.12 USER PARAMETERS CONF FILE MANAGEMENT

From the stage “Conf File Management”, press the button  , we could enter the User Parameters Conf File Management stage.

The User Parameters Conf File Management stage layout can be seen below:

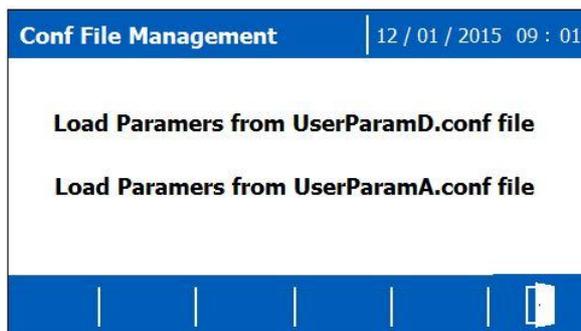


“User Parameters Conf File Management” stage

Key Functions:

1. **Load Parameters** → Press the key to enter the User Parameters Conf File Load Parameters stage.
2. **Save Parameters** → Press the key to enter the User Parameters Conf File Save Parameters stage.
3.  → Press the key to go back to Conf File Management stage.

The User Parameters Conf File Load Parameters stage layout can be seen below:

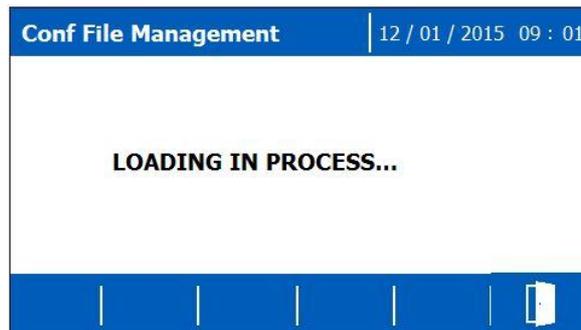


“User Parameters Conf File Load Parameters” stage

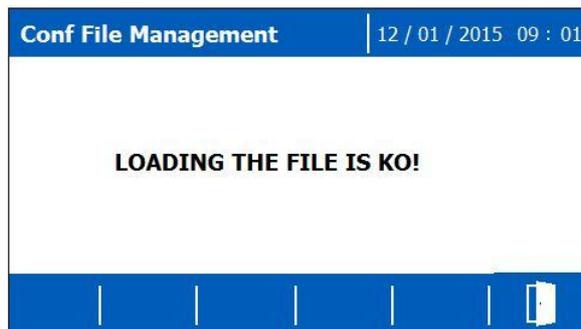
Key Functions:

1. Load Paramers from UserParamD.conf file → Press the key load UserParamD conf file parameters.
2. Load Paramers from UserParamA.conf file → Press the key load UserParamA conf file parameters.
3.  → Press the key to go back to User Parameters Conf File Management.

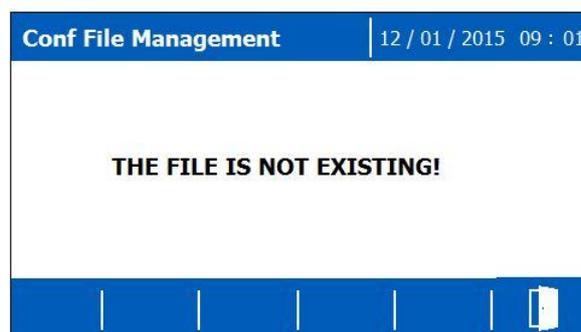
The User Parameters Conf File Load Parameters Status stage layout can be seen below:



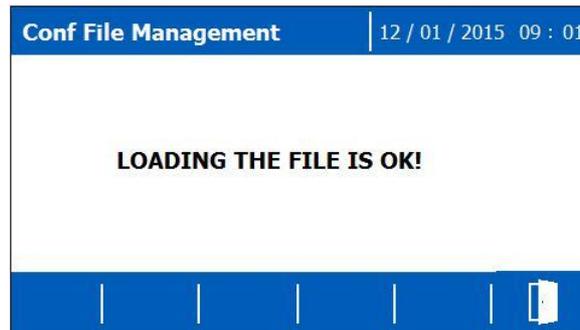
“User Parameters Conf File Load Parameters” *stage*



“User Parameters Conf File Load Parameters” *stage*

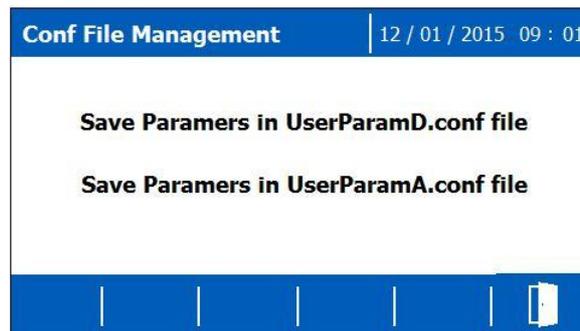


“User Parameters Conf File Load Parameters” *stage*



“User Parameters Conf File Load Parameters” *stage*

The User Parameters Conf File Save Parameters stage layout can be seen below:

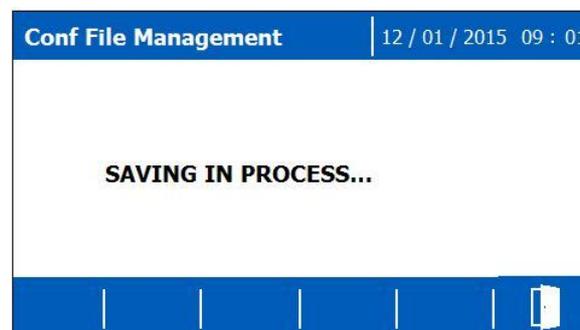


“User Parameters Conf File Save Parameters” *stage*

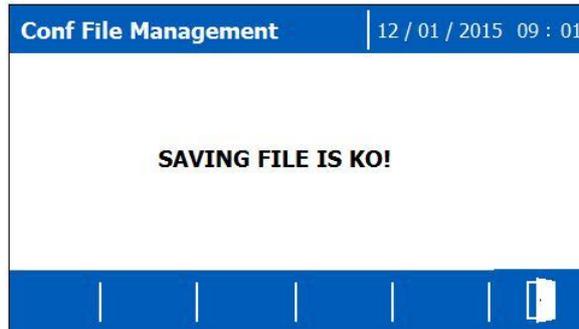
Key Functions:

1. **Save Paramers in UserParamD.conf file** → Press the key save UserParamD conf file parameters.
2. **Save Paramers in UserParamA.conf file** → Press the key save UserParamA conf file parameters.
3.  → Press the key to go back to User Parameters Conf File Management.

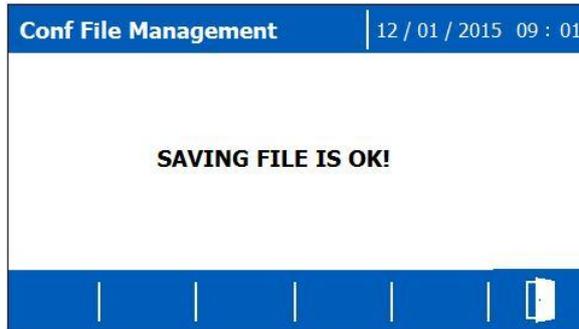
The User Parameters Conf File Save Parameters Status stage layout can be seen below:



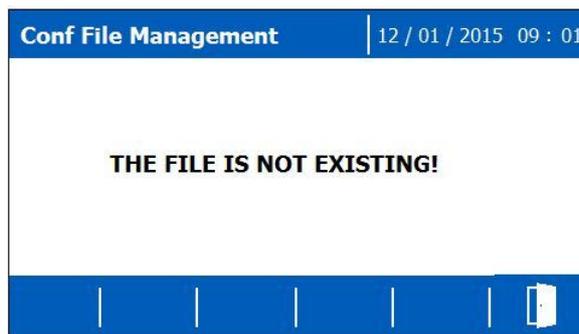
“User Parameters Conf File Save Parameters” *stage*



“User Parameters Conf File Save Parameters” stage



“User Parameters Conf File Save Parameters” stage

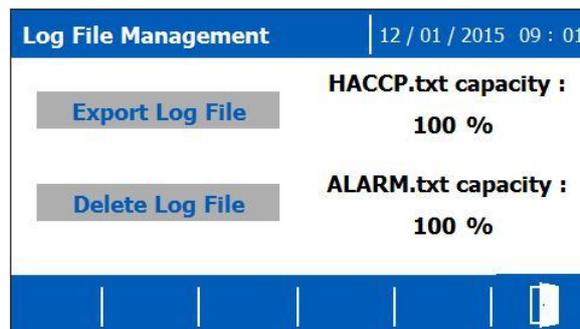


““User Parameters Conf File Save Parameters” stage

5.13 LOG FILE MANAGEMENT

From the stage “Control Panel”, press the button **Log File Management**, we could enter the Log File Management stage.

The Log File Management stage layout can be seen below:



“Log File Management” stage

Key Functions:

1. **Export Log File** → Press the key to enter the Export Log File stage.
2. **Delete Log File** → Press the key to enter the Export Log File stage.
3.  → Press the key to go back the Control Panel stage

The symbol:

1. **ALARM.txt capacity** : → The capacity of the ALARM.txt file.
2. **HACCP.txt capacity** : → The capacity of the HACCP.txt file.

5.14 EXPORT LOG FILE MANAGEMENT

From the stage “Log File Management”, press the button **Export Log File**, we could enter the Export Log File Management stage.

The Export Log File Management stage layout can be seen below:



“Export Log File Management” stage

Key Functions:

1. **Export HACCP.txt Log File** → Press the key to export the HACCP.txt log file.
2. **Export Alarm.txt Log File** → Press the key to export the Alarm.txt log file.
3. **Export Both Log File** → Press the key to export the Alarm.txt and HACCP.txt log file.
4.  → Press the key to go back the Log File Management stage

The Export Log File Management status layout can be seen below:



“Export Log File Management status” stage



“Export Log File Management status” stage

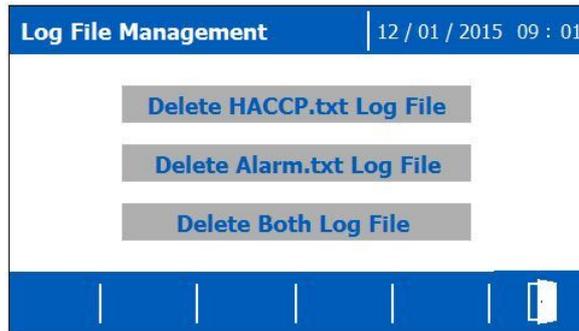


“Export Log File Management status” stage

5.15 DELETE LOG FILE MANAGEMENT

From the stage “Log File Management”, press the button , we could enter the Delete Log File Management stage.

The Delete Log File Management stage layout can be seen below:

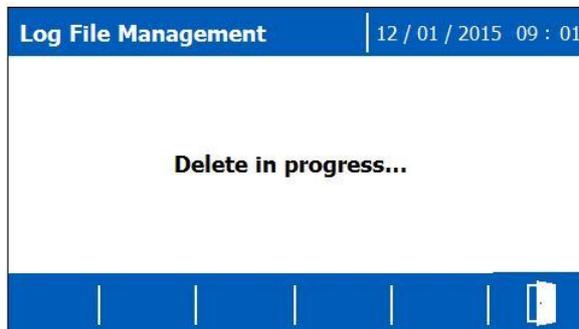


“Delete Log File Management” stage

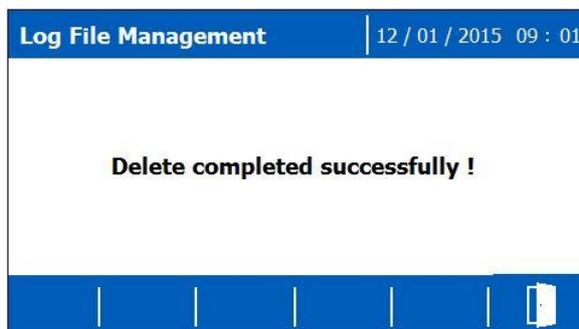
Key Functions:

1.  → Press the key to delete the HACCP.txt log file.
2.  → Press the key to delete the Alarm.txt log file.
3.  → Press the key to delete the Alarm.txt and HACCP.txt log file.
4.  → Press the key to go back the Log File Management stage

The Export Log File Management status layout can be seen below:



“Delete Log File Management Status” stage



“Delete Log File Management Status” stage



“Delete Log File Management Status” stage

5.16 LANGUAGE SELECTION

From the stage “Control Panel”, press the button **Language Selection**, we could enter the Language Selection stage.

The Language Selection stage layout can be seen below:



“Language Selection” stage

Key Functions:

1.  → Press the key to select the language as English.
2.  → Press the key to select the language as French.
3.  → Press the key to select the language as German.
4.  → Press the key to select the language as Dutch.
5.  → Press the key to select the language as Italian.
6.  → Press the key to select the language as Portuguese.
7.  → Press the key to select the language as Spanish.
8.  → Press the key to go back the Control Panel stage.

5.17 DATE AND TIME SET

From the stage “Control Panel”, press the button , we could enter the Date Set stage.

The Date Set stage layout in American time format can be seen below:



“Date Set” stage

The Date Set stage layout in Europe time format can be seen below:



“Date Set” stage

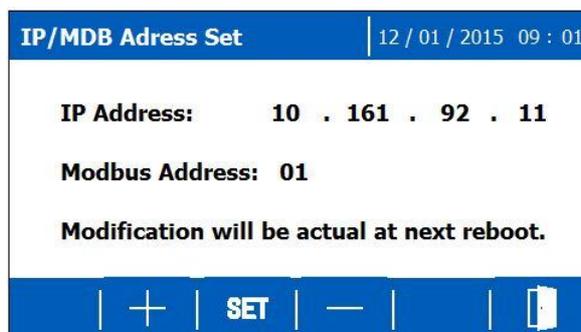
Key Functions:

1.  → Press the key to select the time format: America or Europe.
2.  → Press the key to increase the value or move the curse.
3.  → Press the key to active the value or confirm the value.
4.  → Press the key to decrease the value or move the curse.
5.  → Press the key to go back the Control Panel stage.

5.18 IP/MDB ADDRESS SET

From the stage “Control Panel”, press the button **IP/MDB Address Set**, we could enter the IP/MDB Address Set stage.

The IP/MDB Address Set stage can be seen below:



“IP/MDB Address Set” stage

Key Functions:

1. **+** → Press the key to increase the value or move the curse.
2. **SET** → Press the key to active the value or confirm the value.
3. **-** → Press the key to decrease the value or move the curse.
4. **⏪** → Press the key to go back the Control Panel stage.

5.19 SET VISOTOUCH

From the stage “Control Panel”, press the button **Set Visotouch**, we could enter the Set Visotouch stage.

The Set Visotouch stage can be seen below:



“Set Visotouch” stage

Key Functions:

1. **+** → Press the key to increase the value or move the curse.

2.  → Press the key to active the value or confirm the value.
3.  → Press the key to decrease the value or move the curse.
4.  → Press the key to go back the Control Panel stage.

5.20 INFO VISOTOUCH

From the stage “Control Panel”, press the button , we could enter the Info Visotouch stage.

The Info Visotouch stage can be seen below:



“Info Visotouch” stage

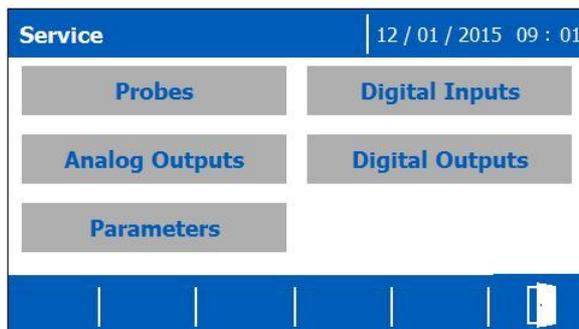
Key Functions:

1.  → Press the key to go back the Control Panel stage.

6. SERVICE STAGE

After press the button , we enter the “Service” stage.

The stage displays following functions:



“Service” stage

Key Functions:

1.  → Press the key to enter the Probes stage.
2.  → Press the key to enter the Digital Inputs stage.
3.  → Press the key to enter the Analogue Outputs stage.
4.  → Press the key to enter the Digital Outputs stage.
5.  → Press the key to enter the UV Cycle stage.
6.  → Press the key to go back the Main stage

6.1 PROBES

From the stage “Service”, press the button , we could enter the Probes stage.

The Probes stage can be seen below:

Probe ID	Temperature	Unit	Location
Pb01	-25.5	°C	1 - Room1
Pb02	-25.5	°C	2 - Room2
Pb03	-25.5	°C	3 - Room3
Pb04	-25.5	°C	6 - Needle1

“Analogue Inputs” stage

Key Functions:

1.  → Press the key to page up.
2.  → Press the key to page down.
3.  → Press the key to go back the Service stage.

6.2 ANALOGUE OUTPUTS

From the stage “Service”, press the button , we could enter the Analogue Outputs stage.

The Analogue Outputs stage can be seen below:

Analog Outputs			12 / 01 / 2015 09 : 01
AO1	-25.5 V	1 - Evap Fan	
AO2	-25.5 V	2 - Cond Fan	
AO3	-25.5 V	3 - Aux Output	
AO4	Active	c1 - Compressor1	

“Analogue Outputs” stage

6.3 DIGITAL INPUTS

From the stage “Service”, press the button , we could enter the Digital Inputs stage.

The Digital Inputs stage can be seen below:

Digital Inputs			12 / 01 / 2015 09 : 01
DI01	Active	c1 - Door MicoSwitch	
DI02	Active	c2 - Low Pressure	
DI03	Active	c3 - High Pressure	
DI04	Active	c7 - Enable Defrost	

“Digital Inputs” stage

6.4 DIGITAL OUTPUTS

From the stage “Service”, press the button **Digital Outputs**, we could enter the Digital Outputs stage.

The Digital Outputs stage can be seen below:

Digital Outputs			12 / 01 / 2015 09 : 01
RL01	Active	c1 - Compressor	
RL02	Active	c2 - Defrost	
RL03	Active	c7 - Room Light	
RL04	Active	c5 - Condenser Speed1	

“Digital Outputs” stage

6.5 PARAMETERS

In Service stage press the button **Parameters**, so we enter in “Password” stage.

Here we can input the password to select a user level. Use the button **PR1**, **PR2**, **PR3** to switch user level, press the button (not used in Lv1) to move cursor, use **+**, **-** (not used in Lv1) to modify password number and input the password by pressing the button **ENTER** key.

- If the password is correct, the stage jumps to “Menu”.
- If the password is incorrect, the stage doesn't change.

There are 3 levels of password:

1. User (no password, directly jump to “Parameter” after press the button **ENTER** key)
2. Level 2
3. Level 3

Level 1 has no password and looks below:



“Password1” stage

In other levels you have to input the correct password, and looks below:



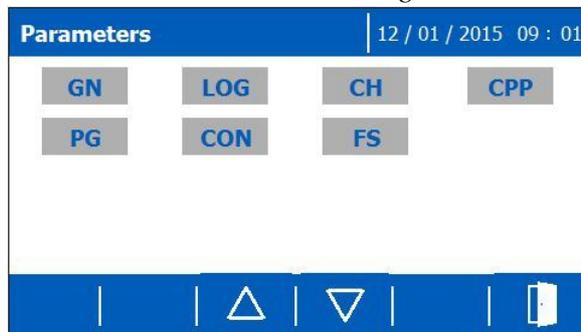
“Password3” stage

Note: At each level any parameter is visible and also can be changed.

The Parameters stage can be seen below:



“Parameters” stage



“Parameter” stage

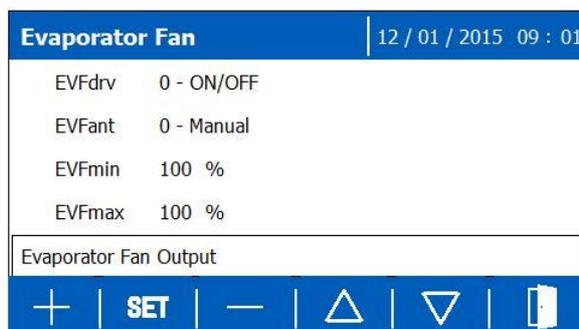
AI	Displays Analogue Inputs parameters
AO	Displays Analogue Outputs parameters
DI	Displays Digital Inputs parameters
DO	Displays Digital Outputs parameters
DID	Displays Digital Inputs delays parameters
EFA	Displays evap. fan parameters
NR	Displays Needle and Room Sensor parameters
CO	Displays Compressor parameters

AL	Displays Alarm Temperature parameters
BZ	Displays Buzzer and Alarm Relay parameters
DF	Displays Defrost parameters
DR	Displays Door parameters
CFA	Displays Condenser Fan parameters
AUX	Displays Auxiliary Output parameters
UV	Displays UV Lamp parameters
NC	Displays Network Configuration parameters
GN	Displays General parameters
LOG	Displays Data logger parameters
CH	Displays Crankcase Heater parameters
CPP	Displays Standard programme parameters
PG	Displays Program Cycle parameters
CON	Displays Continuous cycle parameters
FS	Displays Fish Sanification parameters

Key Functions:

1.  → Press the key to page up.
2.  → Press the key to page down.
3.  → Press the key to go back the Service stage.

In the sub-stage (selected group), parameters are listed on the centre of the screen and the selected item's description is visualized at bottom, and group name is visualized at top. Here is an example of sub-stage: “Evaporator Fan” stage



“Evaporator Fan” stage

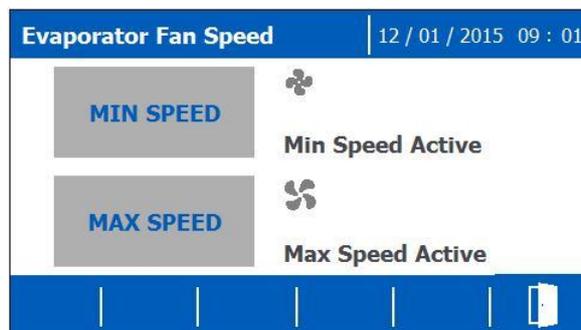
Key Functions:

1.  → Press the key to increase the value or move the curse.
2.  → Press the key to active the value or confirm the value.
3.  → Press the key to decrease the value or move the curse.
4.  → Press the key to page up.
5.  → Press the key to page down.
6.  → Press the key to go back the Control Panel stage.

7. EVAP FAN STAGE

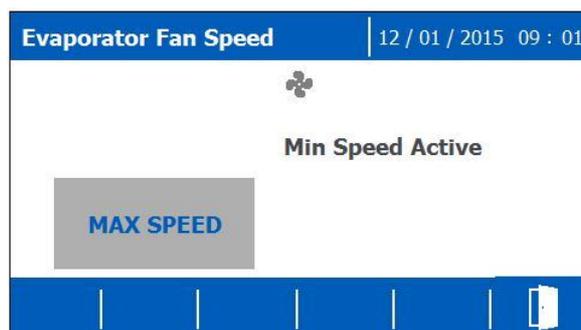
After press the button , we enter the “Evaporator Fan” stage.

When the evaporator fan is ON/OFF mode, the Evaporator Fan stage can be seen below:



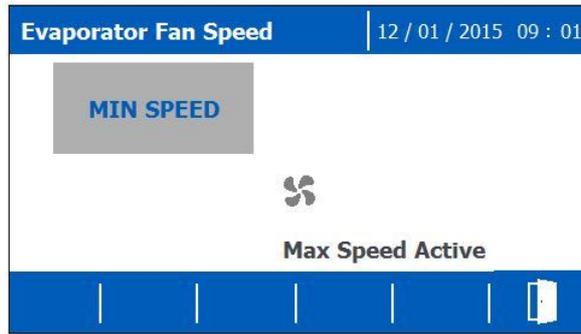
“Evaporator Fan” stage

When the speed evaporator fan in low speed, the Evaporator Fan stage can be seen below:



“Evaporator Fan” stage

When the speed evaporator fan in high speed, the Evaporator Fan stage can be seen below:

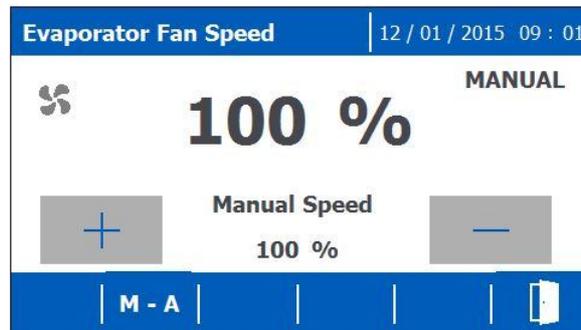


“Evaporator Fan” stage

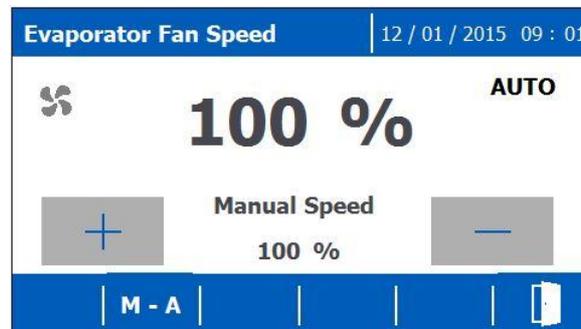
Key Functions:

1.  → Press the key to set the speed of fan as low.
2.  → Press the key to set the speed of fan as high.
3.  → Press the key to go back the pre stage.

When the evaporator fan is modulating mode, the Evaporator Fan stage can be seen below:



“Evaporator Fan” stage



“Evaporator Fan” stage

Key Functions:

1.  → Press the key to increase the manual speed.
2.  → Press the key to decrease the manual speed.
3.  → Press the key to modify the mode: auto or manual.
4.  → Press the key to go back the Main stage

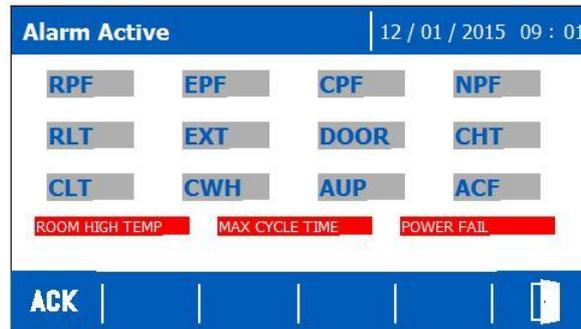
The symbol:

1. **100 %** → The current speed of the Evap. Fan.
2.  → The manual speed of the Evap. Fan.
3. **MANUAL** → The mode of the Evap. Fan: auto or manual.

8. ALARM

After press the button , we enter the “Alarm” stage.

The Alarm stage can be seen below:



“Alarm” stage

In the Alarm stage, there are two kinds of alarm: HACCP alarm and Event alarm.

When the alarm occurs, the label of alarm will blink, and the user could press the button  to confirm it. Press the label, the user could see the information of the alarm. For instance: when the room probe fail alarm occurs, the label  blinks, and after press the button , it will OK. And press the label , it enter to Event Alarm stage.

NOTE: The red marked is the HACCP alarm.

Key Functions:

1.  → Press the key to confirm the alarm.
2.  → Press the key to go back the pre stage

The Event Alarm:

1.  → Room probe broken
2.  → Evaporator probe broken
3.  → Condenser probe broken
4.  → Needle probe failure
5.  → The room temperature is too low
6.  → The digital input configured as external alarm is active
7.  → The door is open (considering the parameter DOdly)
8.  → The temperature of the condenser is too high
9.  → The temperature of the condenser is too low

10. **CWH** → The compressor working hours is COwh1 (COwh2)
11. **AUP** → The AUX probe is in alarm
12. **ACF** → General configuration error

The HACCP alarm:

1. **ROOM HIGH TEMP** → The room temperature is too high
2. **MAX CYCLE TIME** → The maximum cycle duration is expired
3. **POWER FAIL** → During the cycle a power fail event is happened

8.1 EVENT ALARM

When Event alarm occurs, pressing the label we enter in the “Event Alarm” stage.

The Event Alarm stage can be seen below:

Room Probe Fail				01 / 04
	Start	Stop		
01	10 : 24 31/10/2015	11 : 24 31/10/2015	Room1	
02	13 : 24 12/10/2015	14 : 24 12/10/2015	Room1	
03	11 : 24 12/10/2015	12 : 24 12/10/2015	Room3	
04	09 : 24 09/10/2015	10 : 24 09/10/2015	Room2	

“Event Alarm” stage

For every alarm there is following information:

- Active alarm number and current page are at the top;
- Alarm index is at the 1st column in the centre;
- The alarm start time is the 2nd column in the centre;
- The alarm stop time is the 3rd column in the centre;
- The alarm type is the 4th column in the centre;

Key Functions:

1. → Press the key to export the log file.
2. **CLEAR** → Select the alarm index and press the key to clear the one alarm. Press the key (3 sec) to clear all the alarm.
3. → Press the key to page up.
4. → Press the key to page down.
5. → Press the key to go back the Alarm stage.

8.2 HACCP ALARM

When HACCP alarm occurs, pressing the label we enter in the “HACCP Alarm” stage.

The HACCP Alarm stage can be seen below:

Room High Temp.						01 / 04
	Start	Stop				
1	08 : 50 12 / 01 / 2015	09 : 01 12 / 01 / 2015	3.2 °C	2.0 °C		
2	08 : 30 12 / 01 / 2015	08 : 40 12 / 01 / 2015	3.0 °C	2.0 °C		
3	08 : 10 12 / 01 / 2015	08 : 15 12 / 01 / 2015	3.0 °C	2.0 °C		
4	08 : 01 12 / 01 / 2015	08 : 02 12 / 01 / 2015	3.0 °C	2.0 °C		

“HACCP Alarm” stage

For every alarm there is following information:

- Alarm index is at the 1st column in the centre;
- The alarm start time is the 2nd column in the centre;
- The alarm stop time is the 3rd column in the centre;
- The alarm type is the 4th column in the centre;
- The needle temperature when alarm occurred is the 5th column in the centre;
- The room temperature when alarm occurred is the 6th column in the centre;

Key Functions:

1.  → Press the key to export the log file.
2.  → Select the alarm index and press the key to clear the one alarm. Press the key (3 sec) to clear all the alarm.
3.  → Press the key to page up.
4.  → Press the key to page down.
5.  → Press the key to reset the alarm.
6.  → Press the key to go back the Alarm stage

9. SUMMARY

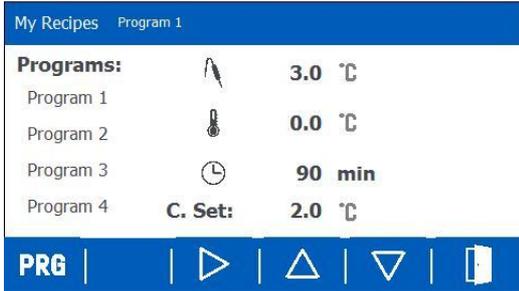
STAGE	Key	Target / FUNCTION
Entry Stage		
		Enter the first language set stage

First language set Stage		Select the language as English.
		Select the language as French
		Select the language as German
		Select the language as Dutch
		Select the language as Italian
		Select the language as Italian
		Select the language as Spanish

First Date Set Stage		
		Select the time format: America or Europe
		Increase the value or move the curse
		Active the value or confirm the value
		Decrease the value or move the curse
		Go back the Control Panel stage

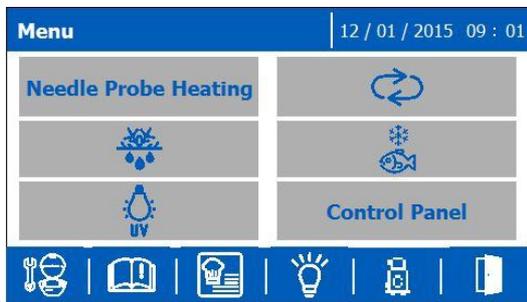
Banner Stage	
	 Switch on the Unit.

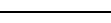
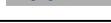
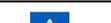
Main Stage	
	 Enter the Soft Chill stage
	 Enter the Soft Freeze stage
	 Enter the Hard Chill stage
	 Enter the Hard Freeze stage
	 Enter the Service stage
	 Enter the Alarm stage
	 Enter the Programming stage
	 Enter the Menu stage.
	 Active the room light.
	 Switch off the unit.

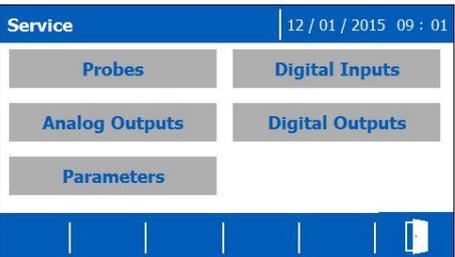
Programming Stage	
	 Page up
	 Page down
	 start the selected programming cycle
	 Enter the probe stage
	 Enter the probe stage
	 Enter the My Recipes stage
	 Go back the Main stage

<p>Soft Chill by Temperature Stage</p>		<p>Select mode: by temperature or by time</p>
		<p>Enter the Set Cycle stage</p>
		<p>Enter manual defrost stage</p>
		<p>start the cycle</p>
		<p>Enter the probe stage</p>
		<p>Enter the probe stage</p>
		<p>Enter the Evap.Fan stage</p>
		<p>Active the room light</p>
		<p>Enter the Alarm stage</p>
		<p>Pause the cycle</p>
		<p>Stop the cycle</p>
	<p>Go back the Main stage</p>	

<p>Program Cycle Stage</p>		<p>Select mode: by temperature or by time</p>
		<p>Enter the Set Cycle stage</p>
		<p>Enter manual defrost stage</p>
		<p>start the cycle</p>
		<p>Enter the probe stage</p>
		<p>Enter the probe stage</p>
		<p>Enter the Evap.Fan stage</p>
		<p>Active the room light</p>
		<p>Enter the Alarm stage</p>
		<p>Pause the cycle</p>
		<p>Stop the cycle</p>
	<p>Go back the Main stage</p>	

		Enter the Needle Probe Heating stage
		Enter the Continuous Cycle stage
		Enter the Manual Defrost stage
		Enter the Fish Sanification Cycle stage
		Enter the UV Cycle stage
		Enter the Control Panel stage
		Enter the Service stage
		Enter the Alarm stage
		Enter the Programming stage
		Enter the Menu stage.
		Active the room light.
		Enter the Compressor Control stage
		Go back the Main stage

		Enter the Conf File Management stage
		Enter the Log File Management stage
		Enter the Info Visotouch stage
		Enter the Language Selection stage
		Enter the Date Set stage.
		Enter the IP/MDB Address Set stage
		Enter the Set Visotouch stage
		Page up
		Page down
		Go back the Menu stage

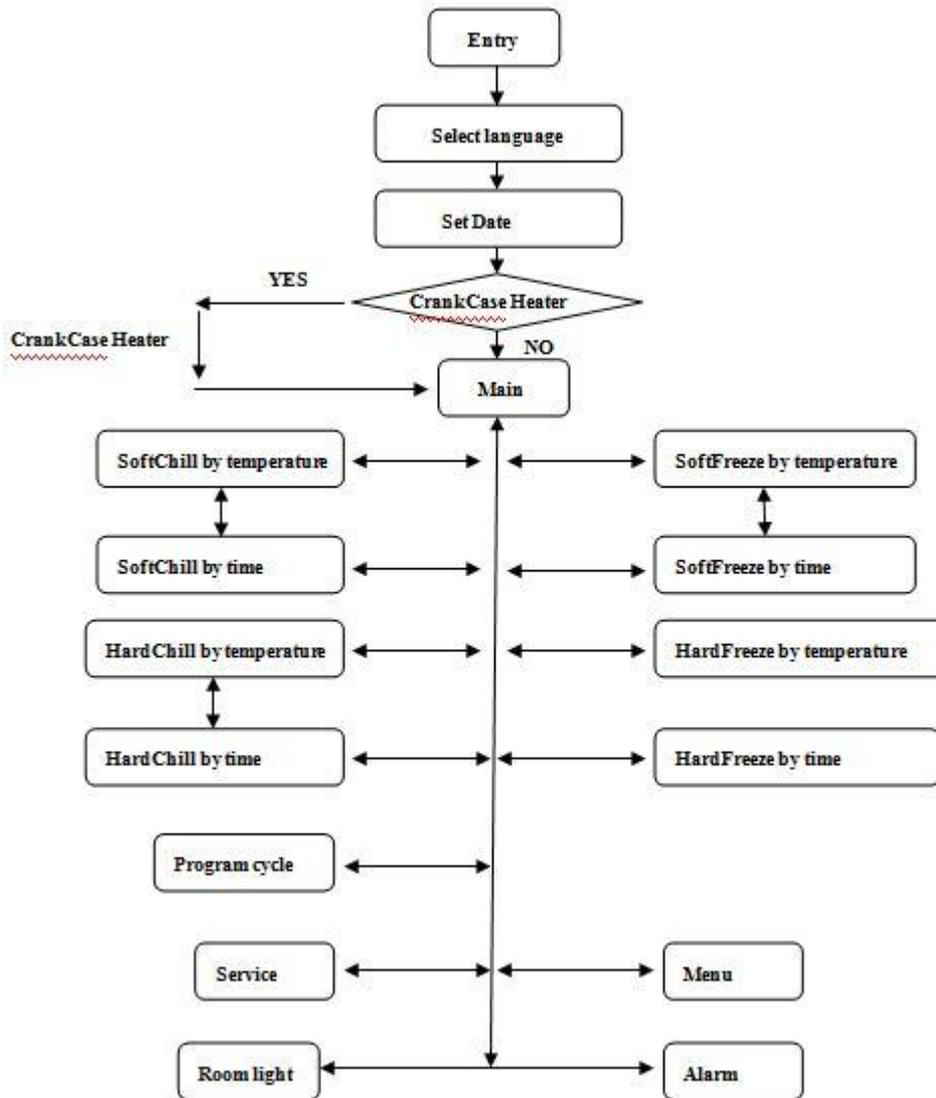
		Enter the Probes stage
		Enter the Digital Inputs stage.
		Enter the Analogue Outputs stage
		Enter the Digital Outputs stage
		Enter the Parameters stage.
		Go back the Main stage

Parameters Stage			
			Page up
			Page down
			Go back the Main stage

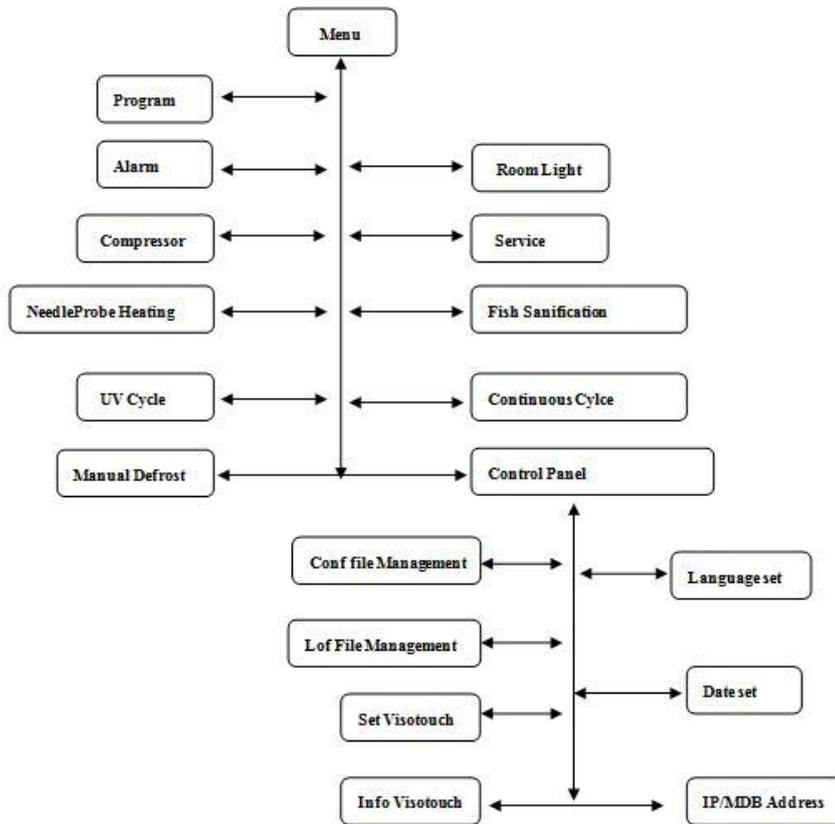
Alarm Stage			
			Confirm the alarm
			Go back the pre stage

10. RELATION MAPS

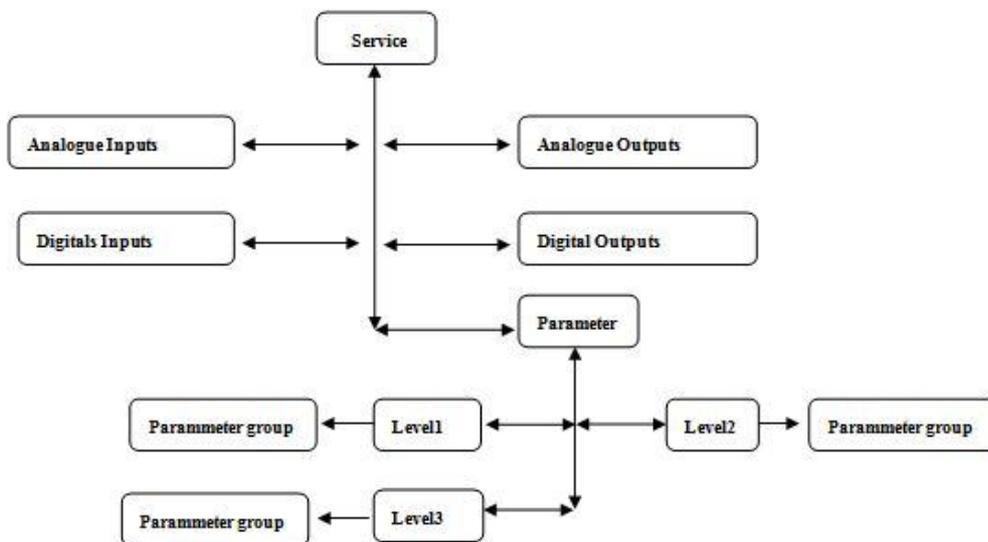
Followings are brief maps to visualize the relations between stages, please look around above instructions for detail information.



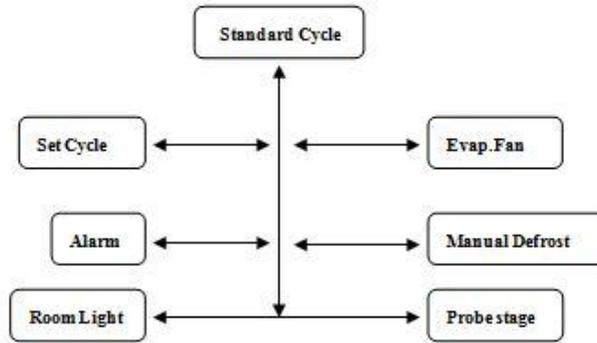
“Entry” stage and its sub-stages



“Menu” stage and its sub-stages



“Service” stage



“Standard Cycle” stage trigger

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