iCon – Quick User Manual

1. MODES

2.1   **User modes**   The system has 4 modes of operation
Manual: all zones are **off** until turned **on** individually
Timer: all zones are controlled via the **time clock**
ON/OFF: all zones are switched on or off simultaneously

2.2   **Selecting a mode-**   Press **MODE** until the correct mode is indicated on screen.
Mode selected also indicated by the LEDs on the console.

2.3   **Zone Control**
Heating and domestic hot water are controlled through zones.
A zone is a room or area which is to be heated independently.

Turning a zone ON or OFF enter the zone number and press [↵] key.
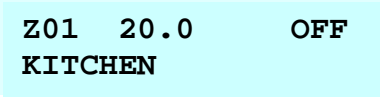
2. ROOM SETTING FROM THE CONSOLE

2.1 Switch a Zone ON /OFF

Overview:
Each zone can be controlled via the Console remotely.
On the Console enter the zone number

Enter the Zone Number

Console displays

```
Z01  20.0      OFF
KITCHEN
```

Use the [↵] key to switch between zone ON / OFF

2.3 Change Zone Temperature Settings

Enter the Zone Number

Press **ZONE** .

Console displays

```
<SP20> SB06  BH02
ZO1
```

Use **4 ←** and **6 →** to move between fields <>
Press **2 ↑** or **8 ↓** to change their value.

BH (Boost Heat)
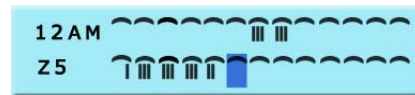Utilize low cost night-time electricity

SB - Set Back
Room not in Use

SP - Set Point
Ambient Room Temp

2.4 Change Zone Schedule

Enter the Zone Number

Enter the zone number and press **TIME** .   Console Displays

```
12AM
Z5
```

Use the **4 ←** and **6 →** buttons to move to the desired hour

To time heat for the 1st 20 minute period press **1**   Shown as

To time heat for the 2nd 20 minute period press **2**   Shown as

To time heat for the 3rd 20 minute period press **3**   Shown as

To time heat for the entire hour press **5**   Shown as

Note: Press them again to turn them off

Press **8 ↓** to move to the next **Day**

Press **↵** to move to the next **Zone**

Press **HW** to select **Boost Heat**. Note ∧ symbol will be displayed for that hour.   Repeat for each sequent boost heat hour.

Boost Heat
When activated, this feature will allow use of the night rate supply when using a heat pump as source
During this time the temperature in the zone is allowed to increase above the normal temperature set point.

2.2   Change Zone Mode Settings

Comments: 3 Mode Setting,
  a) Optimisation
  b) Scheduling
  c) Sensor Button Lock Out

Enter the Zone Number

Press [MODE].

Console displays

```
<NORML>      NORML
ZO1 ↑   LK OFF  ↑
```

Use [4 ←] and [6 →] to move between fields <>
Press [2 ↑] or [8 ↓] to change their value.

Scheduling

NORML	Follows Zone Schedule
DIS	Frost Protection Mode.
	Sensor is blanked.
	Revert to Normal at console or press power button at stat
STOP	Ignores Schedule – Move to Set Back
	Sensor displays SB

Zone Sensor Button Lockout

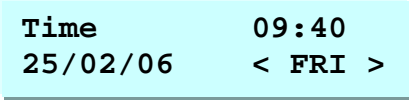|	
LK OFF	Sensor Buttons will **not** respond (Public Areas)
LK ON	Sensor Buttons will respond
Lockout	Allows the zone to function as normal but prevents the settings being altered from the zone sensor.

Optimisation

|	
NORML	No optimisation - Follows the timed schedule for the Zone
CRV 1	Preheats Zone **1 Hr** prior to the scheduled ON time [c1 displayed on sensor when overriding ON time]
CRV 2	Preheats Zone **2 Hr** prior to the scheduled ON time [c2 displayed on sensor when overriding ON time]
CRV 3	Preheats Zone **3 Hr** prior to the scheduled ON time [c3 displayed on sensor when overriding ON time]
AUTO	This setting will self-learn the thermal inertia of the room and adjust the start time from memory [cA displayed on sensor when overriding ON time]
Optimisation	This is a mechanism of ensuring zone temperatures are achieved according to the programmed schedule.

3. SET TIME

Press [TIME] key .   Console Displays

```
Time          09:40
25/02/06    < FRI >
```
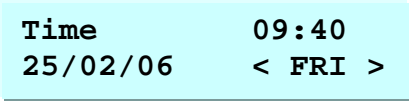
Move brackets press 4← and 6→.
Change value press 2↑ or 8↓

4. SET VACATION DATE

Press [TIME] key .   Console Displays

```
Time          09:40
25/02/06    < FRI >
```

Holidays Begin   *Start Time*

Press [↵] key   Console Displays

```
HOL BEG       <00>00
01/01/01
```

Start Date
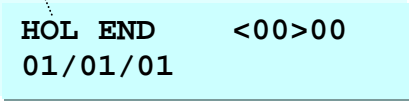
Move brackets press 4← and 6→.
Change value press 2↑ or 8↓

Holidays Ends

Press [↵] key   Console Displays

```
HOL END       <00>00
01/01/01
```

Move brackets press 4← and 6→.
Change value press 2↑ or 8↓

Press [HOME] key

5. DOMESTIC HOT WATER

4.1   Hot Water Control

Hot Water is controlled via it's Zone number (Normally Zone 32)
Hot water is timed as a zone [e.g. zone 32] and can also be switched on/off like a zone
NOTE: HEATING OFF does not affect the domestic hot water.

4.2   Hot Water Boost

To turn on/off domestic **hot water boost** press [HW]
The HW key turns the Immersion on for 2 Hours.

NOTE: To return to the display to normal operation from any function at any time just press [HOME]

6.   Thermostats
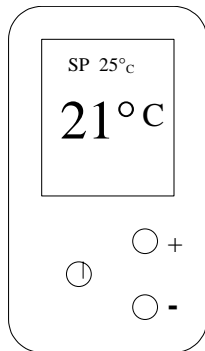
The Thermostat is very easy to use:
Normally the Thermostat indicates in large digits the current temperature and the set point temperature (SP).

Mode setting

Press Power Button to change the Mode setting
-     I.   Normal
-    II.   Stop – SB Mode (Ignores Schedule and stays in Set Back)
-   III.   Disable – Frost Protection

Temperature Settings

SP 25°C

21° C

+

(power)

-

To change the set point   **SP**   Press **–** or **+** to increase or decrease the desired temperature

To change the set back   **SB**   Press **–** or **+** to illuminate the display

Press **Power Button** until **SB** is displayed

Press **–** or **+** to adjust the set back temperature offset.

To change the boost heat **BH** :   Repeat the steps for changing the set back

To switch on/off the Thermostat   Press **Power Button**