

User Guidelines Software version 2.10

OPERATION AND PERFORMANCE ADVICE FOR MK7LCD

Winter Operation Guide

Ensure good airflow. You must be able to feel a reasonable amount of air exiting the diffusers. Experiment by raising the level of airflow until the desired affect or level of condensation control has been reached. Too much air in the winter time can be counter-productive.

Open internal doors when you go to bed and keep your windows closed to maintain warmth and proper airflow

Check drapes and curtains. Heavy drapes can block airflow if the drapes seal the window tightly part them slightly to allow air circulation behind them. Experiment with different position to see what works best.

Maintain adequate heat. In order to prevent condensation heat along with ventilation is required. Avoid letting your home become too cold, as this will require more ventilation.

Using an In-Line Heater (optional). If your system is unheated and night air is too cold, consider adding a **moistureMASTER in-line heater**. The heater will provide enough heat to avoid cold air being introduced without costing too much to run. The alternative is adding a little extra heat from your own sources.

Avoid drying clothes inside. Drying laundry inside adds moisture and can increase condensation. Use outdoor drying or a dryer vented to the outside if possible.

Important Reminder

We recommend that you leave your moistureMASTER fan switched on at all times. Turning the system off will allow condensation to return. Continuous, balanced operation of both heat and ventilation is key to winter comfort and condensation control.

RULE OF THUMB: If air can circulate to the problem area then good results will follow. The two most important factors that make any home ventilation system work is that the air is of sufficient quality (the driest available) and is distributed well enough in your home particularly in the areas that suffer from condensation. If the roof cavity air is not dry or fresh enough to use a direct outside air supply will be needed. This may or may not be evident on installation.

IF LITTLE OR NO CHANGE HAS OCCURRED THE QUALITY OF THE AIR MAY NEED TO BE ADDRESSED.

GIVE US A CALL ON 0800 866 855

RESETING THE FILTER CHAGE DATE AND FILTER REMINDER:

The filter reminder should be reset whenever the filters are changed. If the filter is not changed within the 1-year period and the reminder is not reset, the message "**TIME TO CHANGE FILTER**" will appear.

To reset the filter reminder for 1 year,

1. Press and hold the "**MINUS**" and "**MENU**" buttons at the same time for **15 seconds**. 2. After 15 seconds, The message "**PRESS MENU TO ADVANCE**" will appear. 3. Press the "**MENU**" button once. The filter reminder will be set for 1 year from today.



Adjusting the fan and heater

From the main screen (shown above), press the "+" button to increase the fan speed. The controller will cycle through the available fan speed levels and loop back to the beginning. Stop at your desired level.

To adjust the heater setting, press the "-" button. The controller will cycle through the available heater levels and return to the start. Leave it on your preferred level

User Menu

From the main screen, press MENU to move through the menu options. Pressing + or - changes the values, and pressing MENU moves to the next option pressing SELECT will move to the previous option. Once the last option has been shown, pressing MENU again returns to the main screen. If no buttons are pressed for **15 seconds**, the menu will automatically exit and return to the main screen. Any changes you make are saved automatically when you exit the menu.

Helpful Shortcuts

- Press and hold + or - for to start scroll quickly through the options (time or date settings only)
- Press and hold MENU for 1 second to skip any remaining menu items and return to the main screen.

The Controller has two modes: Auto and Program. To change between modes press and hold menu for 15 seconds. Auto mode maybe be preferred for basic systems.

MODE: PROGRAM

In Program mode the system allows you to adjust the temperature limits of the Winter Cutout, Summer Cutout and Heater Cutout to suit your preferences. This mode provides full control over the systems parameters.

MODE: AUTO

In Auto mode the System runs automatically using factory-set parameters:

- Summer Cut out 28°C - Can't be changed
- Heater Cut out 12°C Can't be changed
- Winter cutout OFF - Can't be changed

Menu options. (Only shown if the component is installed on your system)

- **Air Source** - Controls outside air supply
- **Summer Cutout** - Temperate at which fan cuts out (high)
- **Winter Cutout** - Temperate at which fan cuts out (low)
- **Heater Cutout** - Temperate at which heater cuts out
- **Air Purifier** - Controls the air purifier
- **Heat Transfer** - Controls the heat transfer damper settings
- **Zone Control** - Turns zones on or off
- **Zone Timer** - Set run times for zones
- **Auto Fan** - Fan speed adjusts automatically based on temperature
- **Auto Heat** - Heater level adjusts automatically based on temperature
- **Heater Timer** - adjustable 24 hour timer window
- **Set Date & Time** - adjust the time and date
- **Filter change date** - shows the date the filter is due to be changed

- Possible values: OFF, 24°C to 40°C, in 1°C steps. **Default: 28°C**.

Note: The fan will start again when the temperature fall below the summer cut out.

8. Winter Cutout:

This setting sets the minimum operating temperature of the system.

- Possible values: Off, 0°C up to the Heater Cut-out temperature, in 1°C steps **Default: Off**
If set to a temperature (not Off), the system will turn off when the roof temperature drops below this value.
If set to Off, the system will not shut down due to cold temperatures.

Note if the system stops supplying fresh air to the home condensation and dampness will return.

9. Auto Heat (only shown if the heater is installed)

This setting allows the heater to operate automatically based on roof temperature. It can be used when the **heater timer is not active**.

- Off: heater lever is manually controlled by the user.
- On: Heater operates automatically controlled as follows

Under 0°C – Heater fully on, Below 5°C – ¼ power (45 sec on / 2 min 15 sec off), Below 10°C – ½ power (90 sec on / 90 sec off), Above 10°C – Manual heater control

10. Heater Timer: (only shown if the Heater timer is enabled)

Used to program a 24hour time window for the heater to operate inside of.

- The heater timer is off when the On-time and Off-time are the same.
- Press +/- to change the value, and MENU to move to the next value.
- Default: 00:00h, 00:00h

Values: 1. On-time hours 2. On-time minutes 3. Off-time hours 4. Off-time minutes

11. Auto Fan:

This setting automatically adjusts the fan speed depending on the roof temperature

- Possible values: "On" or "Off" **Default: Off**
- When set to On, this controls the fan automatically based on the source temperature.

Off: User has full use of fan

On: Fan runs at pre-programmed levels depending on the source temperature:

3. Speed fan:

Over 30 °C : level 3
21 to 30°C : level 2
0 to 21°C : level 1

4 Speed fan:

Over 28°C: level 4
19 to 28°C: level 3
11 to 19°C: level 2
0 to 11°C: level 1

12. Set date/time:

This setting is used to adjust the controllers date and time

- Possible values: Yes, No

13. Time And Date : (only shown if Set date/time is set to Yes)

Shows the current time in 24-hr format.

Hour is selected initially; use +/- to adjust.

Press MENU → select minutes → adjust with +/-.

Press MENU → select seconds → adjust with +/-.

Press MENU → moves to "Date".

Displays **Date / Month / Year**.

Date is selected initially; use +/- to adjust.

Press MENU → select Month → adjust with +/-.

Press MENU → select Year → adjust with +/-.

Press MENU → moves to "Filter Change".

14. Filter Change:

Shows the date when the next filter change is due.

Adjustment: Can be reset for 1 year or new date can be set in the Installer Setup Menu .

(Instructions for resetting the filter reminder are provided on the following page.)

Air Source: (Only shown if the air source damper is installed)

This setting controls where the system draws fresh air from.

Possible values: "Auto", "Roof", "30% outside", "60% outside", "Full outside" **Default: "Auto"**

- Auto: The system automatically switches to **full outside air** when the **summer cut-out temperature** is reached. At all other times, air is taken from the **roof space**.
- Roof: Air is take only from the roof space
- 30%: Mixes outside air with roof air (30% outside 70% Roof)
- 60%: Mixes outside air with roof air (60% outside 40% Roof)
- **Full Outside:** Air is taken from outside only

Note: The fan speed you set is remembered for each air source settings when Auto is selected. (unless auto fan is on) above percentages are rough

2. Heat Transfer: (Only shown if the heat transfer damper is installed)

This setting control how much war air is transferred from one area of the house to another

- Possible values: "On", "30/30", "Off", "30%", "60%" **Default: "Off"**
- On - Full heat transfer
- Off - No heat transfer (ventilation only)
- 30/30 - Cycles between full heat transfer and no heat transfer ever 30 minutes
- 30% - Mixes heat transfer air with roof air (30% Heat Transfer 70% Roof)
- 60% - Mixes heat transfer air with roof air (60% Heat Transfer 40% Roof)

Note: if the system is left in full heat transfer mode condensation and dampness WILL return to the home.

3. Air Purifier: (Only shown if the air purifier is installed)

This setting controls how often the air purifier operates.

- Possible values: "Off", "1/3", "2/3", "On" **Default: Off**
- Off - Always off
- 1/3 - On for 1 minute off for 2 minutes
- 2/3 - On for 2 minutes off for 1 minute
- On - Always on

Note: The air purifier will only run when the fan is operating.

4. Zone Control: (Only shown if the zone control damper is installed)

This setting controls how airflow is divided between the two zones

- Possible values: "Zone 1", "1 50/50", "Zone 2", "Timer" **Default: 50/50**
- Zone 1 - All air to Zone 1
- 50/50 - Air split evenly between Zone 1 and Zone 2
- Zone 2 - All air to Zone 2
- Timer - Uses the zone timer settings

5. Zone Control Timer: (Only shown if zone damper installed)

With this setting you can set the time the system will switch airflow to the selected zone.

- Time 1 and Zone 1
- Time 2 and Zone 2

At the programmed times, the system will automatically switch airflow to the selected zone.

6. Heater Cutout: (only shown if the heater is installed - heat levels adjustable from the main screen)

- Possible values: 8°C to 22°C in steps of 1 degree **Default 12°C**

When the roof temperature reaches the set value, the heater will turn **off**.

7. Summer Cutout:

This setting can cause one of two actions, depending on your system setup:

1. If an air source damper is installed and Air Source is set to Auto, the system will automatically switch to outside air when this temperature is exceeded, using the last selected fan speed.
2. If an air source damper is not installed, or Air Source is not set to Auto, the system fan will shut down when the roof temperature exceeds the Summer Cut-out.