

# DUBLIN LANDINGS

## MVHR CONTROLLER USER GUIDE



**CILANTRO**  
MEP ENGINEERING CONTRACTORS



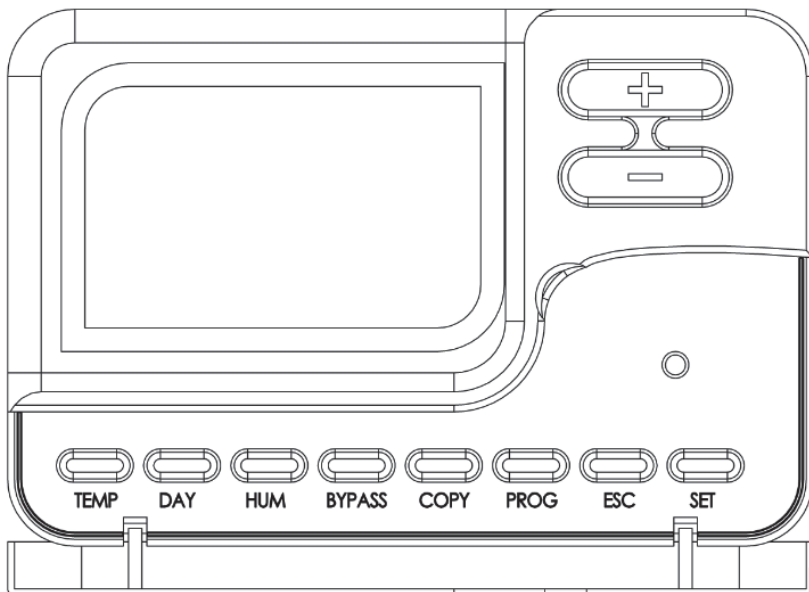
## **SPR418 Bluebrain Controller**



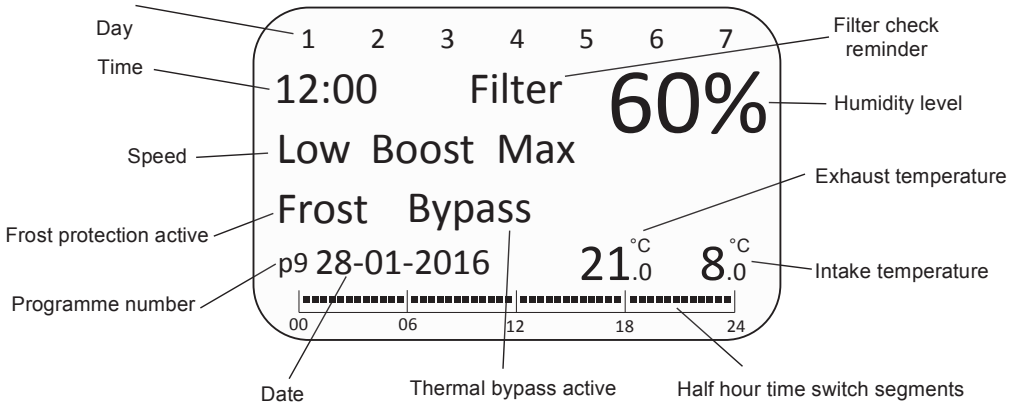
## **Operating Instructions**

**It is important to follow the advice in this manual and correctly maintain the system to ensure a healthy indoor environment.**

## 1.0 User control interface operation



**User control interface  
front view**



1.1 Time and date setting (this action is required when power is first applied to the system):

From the home screen, Press **"DAY"**. The hour text will flash

Use the **"+"** and **"-"** buttons to set the hour

Press **"DAY"**. The minute text will flash

Use the **"+"** and **"-"** buttons to set the minute

Press **"DAY"**. The day will flash

Use the **"+"** and **"-"** buttons to set the day

Press **"DAY"**. The month will flash

Use the **"+"** and **"-"** buttons to set the month

Press **"DAY"**. The year will flash

Use the **"+"** and **"-"** buttons to set the year

Press **"DAY"**. 12/24 will flash

Use the **"+"** and **"-"** buttons to set 12 or 24 hour clock format

Press **"DAY"** to confirm and return to home screen

## 1.2 MVHR Operating Modes

### Trickle Mode ('Low' indicated on the controller screen)

This standard operating mode provides a constant, low-speed ventilation service whilst minimising noise output. Working in tandem with the fresh air inlet, trickle mode is designed to ensure air movement within the property on an ongoing basis (without the need for open windows).

### Boost Mode ('Boost' indicated on the controller screen)

Boost mode will activate automatically if sensors connected to the system pick up on excess humidity (when a hot shower is running, for example). The unit will operate at increased speed to ensure additional warm/moist air is removed efficiently.

## 1.3 Programming

From the home screen, press “**PROG**” (The programme number will flash in the bottom left hand corner; P1 to P9)

Use the “+” and “-“ buttons to view the selected programme number (Factory default is P9)

The pre-programmed Thermal bypass programmes are shown in the diagram on page 18

Note: Each square has a time value of 30 minutes. Black squares indicate a time period where the unit is in automatic bypass mode i.e. the unit will monitor the temperatures and open or close the bypass accordingly. White squares (blank spaces) indicate a time block where the heat exchanger bypass will be permanently set to operate and divert air around the heat exchanger regardless of the measured and set temperatures.

Each of the programmes can be **edited** to create bespoke programmes as follows:

From the home screen, press “**PROG**”

Use the “+” and “-“ buttons to select the programme number (Factory default is P9)

Press “**PROG**”. The programme number will stop flashing and the first block on the timeline at the bottom of the screen will begin to flash.

Select the day to be edited by pressing “**DAY**” until the correct day is displayed along the top of the screen (1 – Monday, 2 – Tuesday etc.)

To add a 30 minute temperature controlled bypass block (a black square) to the timeline, ensure that the word “**BYPASS**” is displayed on the screen by pressing “**BYPASS**”.

Press the “+” and “-” buttons to move along the timeline at the bottom of the screen; a block will be **added** to each position.

To remove a block, remove the word “**BYPASS**” from the screen by pressing “**BYPASS**” and press the “+” and “-” buttons to move along the timeline at the bottom of the screen; a block will be **removed** from each position.

Daily ‘timeline patterns’ can be **copied** to another day or multiple days to avoid programming each day individually.

From the home screen, press “**COPY**”

Select the day to copy by pressing “**PROG**” (the day number will be displayed) and then the day to copy-to by pressing the “+” and “-” buttons (the day number will flash). When the two correct days have been selected, press “**COPY**” and the timeline pattern will copy across.

Press “**SET**” to record

#### Filter reminder

The word ‘Filter’ will appear on the home screen after the set time has elapsed. When this occurs, clean the filters (see section 2)

Note: The figure at the bottom of the screen indicates elapsed operating time in hours. When the numbers are **not** flashing, they indicate the elapsed time since the last filter reset. If “**DAY**” is pressed, the numbers will flash and indicate the total elapsed operating time in hours.

To reset the filter elapsed time reminder following cleaning, press and hold “**SET**” for 5 seconds.





VENTILATION

## 2.0 Maintenance

### 2.1 Routine maintenance

- 2.1.1 The two appliance G3 filters should be cleaned on a regular basis, the exact frequency will be determined by individual living conditions.
- 2.1.2 The word 'FILTER' will appear on the home screen of the digital user-interface after the set time has elapsed – when this occurs, clean the filters – see 5.1.4 for resetting details.
- 2.1.3 Before cleaning the filters, turn off the appliance at the isolator switch.
- 2.1.4 To remove the two filters, pull out the two caps from the front of the appliance and gently slide out the filters in their carrier frames.
- 2.1.5 Lightly vacuum the filters to remove surface debris and then gently wash through in warm soapy water. Ensure that the filters are completely dry before refitting. **Important:** do not dry on a radiator or use excessive heat as this may distort the carrier frames.