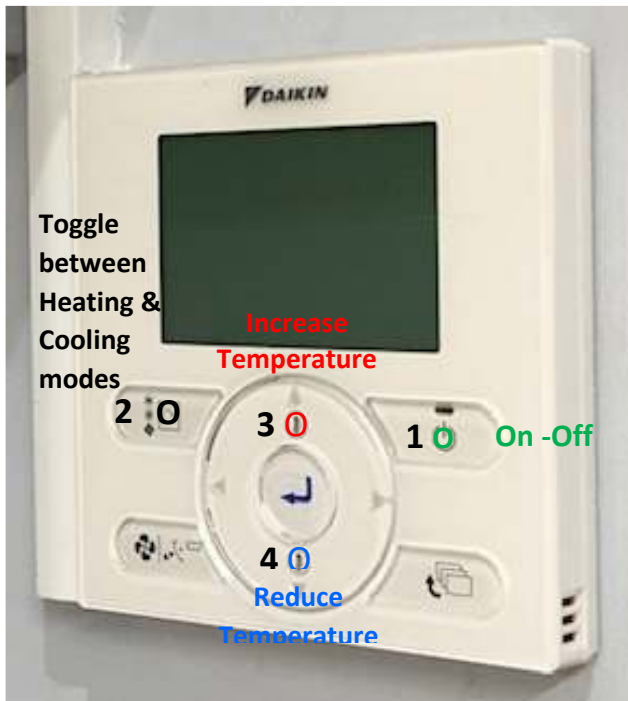


# Instructions for the new NVH Heating (and Cooling) system

**Welcome** to Northall Village Hall's new air sourced 'heat' pump system for heating (and cooling) the Hall. It's more energy efficient than our 6 old electric convector heaters, frees up valuable space and should offer a more stable temperature & quieter operating conditions. We have also tried very hard to program the system to make it as simple and as convenient as possible for Hirers to use.



## Controller for the 'Heat' Pump

(Located under the Master Switchboard  
in the Kitchen)

## Instructions

There are only **4** buttons to use. (All the other buttons are locked & inoperable).

- i) Press the On-Off button **1** to switch on. A **green** light comes on.
- ii) Press **2** to toggle between the **heating** & **cooling** modes. (see selected mode in the top left hand corner of the display screen).
- iii) Press button **3** to increase the temperature (max. is set at 24°C). The temperature is shown on the screen.
- iv) Press button **4** to reduce the temperature (min. is set at 18°C).
- v) A normal & comfortable temperature is 20°C - 22°C.
- vi) **PLEASE** ensure that you turn-off the heat pump (button **1** - the **green** light will go out) when you leave the Hall (as well as switching-off all the switches on the Master Switchboard).

## How does a heat pump work?

Heat pumps transfer heat by circulating a substance called a refrigerant through a cycle of evaporation and condensation. A compressor pumps the refrigerant between two heat exchanger coils. In one coil, the refrigerant is evaporated at low pressure and absorbs heat from its surroundings. The refrigerant is then compressed en route to the other coil, where it condenses at high pressure. At this point, it releases the heat it absorbed earlier in the cycle.

Refrigerators and air conditioners are both examples of heat pumps operating only in the cooling mode.