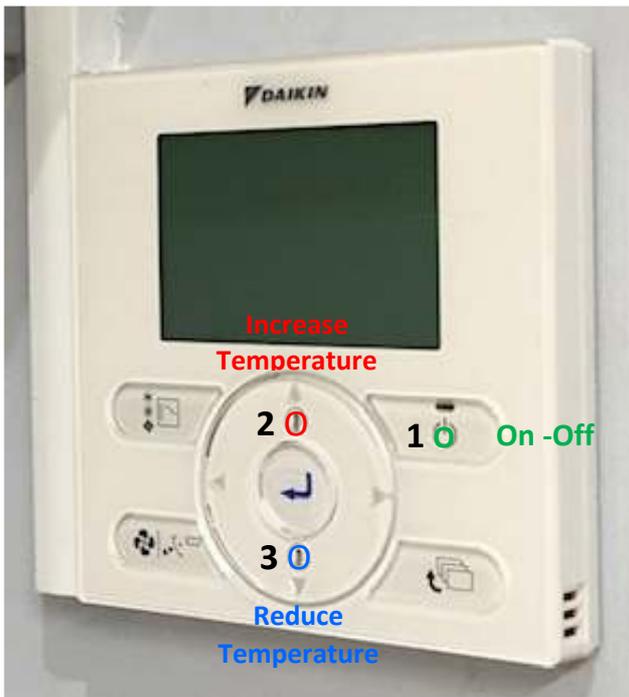


Instructions for the new NVH heating system

Welcome to Northall Village Hall's new air sourced heat pump system for heating 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 for heating the Hall

There are only **3** 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 button **2** to increase the temperature (max. is set at 24°C). The temperature is shown on the screen.
- iii) Press button **3** to reduce the temperature (min. is set at 16°C).
- iv) A normal & comfortable temperature is 20°C - 22°C.
- v) **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).

To make the instructions as simple as possible the system is currently set for heating only. So, if the temperature in the Hall is 20°C and you set the Controller to a lower temperature, the cooling mode will not come on. We will not activate the cooling mode until the hot weather returns next Summer.

We thought that this approach would be a good compromise in the interests of keeping the instructions simple and to prevent anyone "playing around" with the controls.

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.