

Heating and Cooling Guide – Innovation Building Rev.02

Lab VRF

The BMS enables the lab VRF 24/7 with a setpoint of 21°C. This setpoint is adjustable and can be changed on the supervisor head end through a request to Interserve. BMS will enable the VRF if temperature drops below 16°C or above 25°C (adjustable) within the lab.

The BMS writes a Mode 4 (Automatic) to the VRF. This essentially tells the VRF to self-control heating/cooling modes and dead bands. Once enabled, the VRF will self-control to achieve desired setpoint.

Large Open Plan Offices and Corridors VRF

The BMS enables the large open plan office VRF whenever the Novo Nordisk / Bio Escalator Office Time zones are occupied. If out of occupation, the BMS will enable the VRF if temperature drops below 16°C or above 25°C (adjustable) within the office. This temperature is monitored by the Trend sensors.

The BMS writes a setpoint of 21°C to the VRF at 06:30am and again at 20:00pm . This setpoint is adjustable and can be changed on the supervisor head end through a request to Interserve. After the BMS has written a setpoint, the local wall display (Daikin Units) would be free to adjust setpoint manually before being overridden again at the times stated above. If the temperatures drops below 16°C or above 25°C (adjustable) through manual override on Daikin Units the BMS will override the VRF system to go back to its setpoint for the space. This temperature is monitored by the Trend sensors.

The BMS writes a Mode 4 (Automatic) to the VRF. This essentially tells the VRF to self-control heating/cooling modes and dead bands. Once enabled, the VRF will self-control to achieve desired setpoint.

Small Offices / Meeting Rooms VRF

The BMS enables the small offices VRF whenever the Novo Nordisk / Bio Escalator Office Time zones are occupied AND when a ceiling PIR is activated. The PIR software provides a 10 minute run on. If out of occupation, the BMS will enable the VRF if temperature drops below 16°C or above 25°C (adjustable) within the office. This temperature is monitored by the Trend sensors.

The BMS writes a setpoint of 21°C to the VRF at 06:30am and again at 20:00pm . This setpoint is adjustable and can be changed on the supervisor head end through a request to Interserve. After the BMS has written a setpoint, the local wall display (Daikin Units) would be free to adjust setpoint manually before being overridden again at the times stated above. If the temperatures drops below 16°C or above 25°C (adjustable) through manual override on Daikin Units the BMS will override the VRF system to go back to its setpoint for the space. This temperature is monitored by the Trend sensors.

The BMS writes a Mode 4 (Automatic) to the VRF. This essentially tells the VRF to self-control heating/cooling modes and dead bands. Once enabled, the VRF will self-control to achieve desired setpoint.