

## Method of Operation - Microprocessor Controller

### DIP SWITCHES

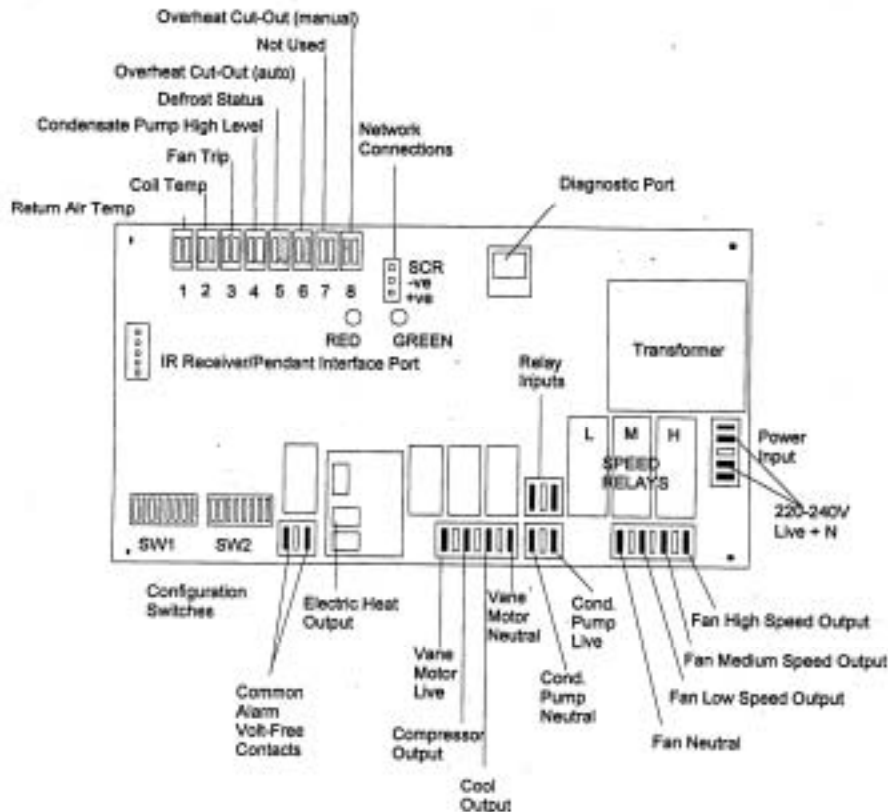
DIP switches are located on the Microprocessor Control Board to offer different control features and their functionality is listed below:

#### List of DIP Switches

SW1	OFF	ON
DIP1	Non Heat Pump	Heat Pump ✓
DIP2	Normal (1.5°C DB) ✓	Close Control (0.8°C DB)
DIP3	Boost Heat Disabled ✓	Boost Heat Enabled
DIP4	Stand Alone	Master Slave Operation ✓
DIP5	Master ON/OFF	Master Set Point Control ✓
DIP6	Unit is Slave	Unit is Master ✓
DIP7	3 Speed Fan ✓	Not Used
DIP8	Filter Alarm Enabled ✓	Filter Alarm Disabled

#### SW2

DIP1	Auto Restart	Manual Restart
DIP2	Address Switch	32
DIP3	Address Switch	16
DIP4	Address Switch	8
DIP5	Address Switch	4
DIP6	Address Switch	2
DIP7	Address Switch	1
DIP8	Address Switch	Not Used



*Note: The controller has 2 LEDs mounted on the board. If the red LED becomes permanently lit then the controller is faulty and should be replaced.*

*The green LED should flash intermittently. If a networked controller has a permanently lit green LED then there is a bad network connection or incorrect polarity.*

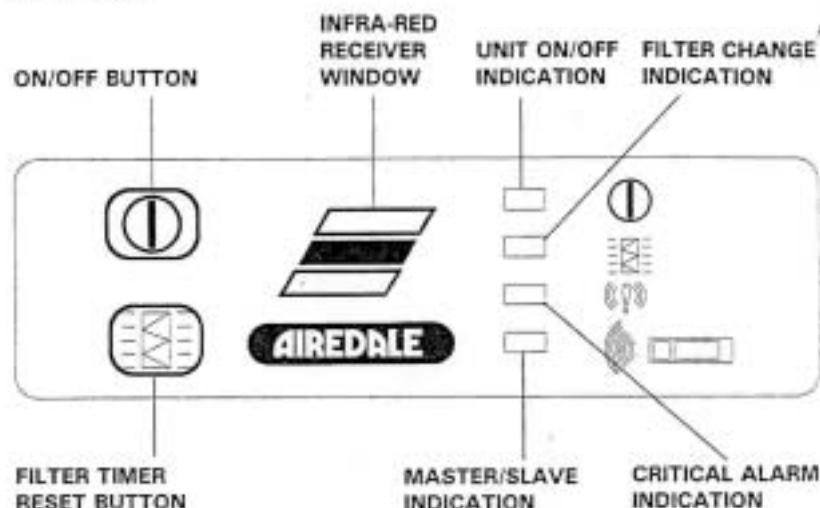
## Infra-Red Controller - Remote

### RECEIVER

The infra-red receiver is an extension of the control board and is located on the fascia of the unit.

The receiver comprises of the following:

- Infra-Red Receiver Window
- Unit On/Off Button
- Filter Timer Reset Button
- Unit On/Off Indication (Green LED)
- Filter Change Indication (Red LED)
- Critical Alarm Indication (Red LED)
- Master/Slave Indication (Amber LED)
- Audible Alarm



The green unit On/Off indicator will be permanently illuminated when the unit is running.

The red filter change indicator will illuminate after 1500 hours operation, providing the alarm is enabled by the DIP switch on the main controller. To reset the alarm, it is necessary to press the filter timer reset button once.

The critical alarm indicator illuminates when any of the following alarms are active:

- Fan Trip
- Condensate High level
- Coil Freeze-up alarm
- Coil Overheat alarm
- Electric Overheat alarm

The Master/Slave indicator will illuminate permanently when a unit is selected as Master or will flash when a slave unit is in override (Master/Slave Operation).

**Note:** The infra-red receiver located in the fascia can be checked by switching the unit on and observing all 4 LEDs briefly switching on simultaneously. If this does not happen then the receiver is faulty.

Diagram for reference only

