

ETN/VFS

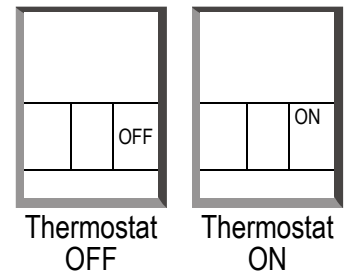
Owner's manual & Technician Settings



Operating instructions

Turning the thermostat ON and OFF

- Press the [On/Off] button to turn the thermostat ON.
- Press again to turn the thermostat OFF.
- * The words "ON" or "OFF" will appear on display.

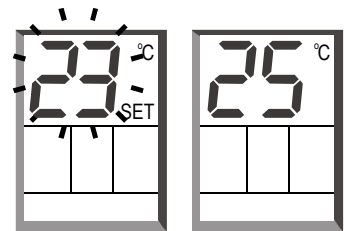


Thermostat OFF

Thermostat ON

Adjusting the Set point temperature (set point config.)

- Press the [+] or [-] buttons once - the word "SET" and the set point temperature will flash.
- Press again to adjust the set point temperature.

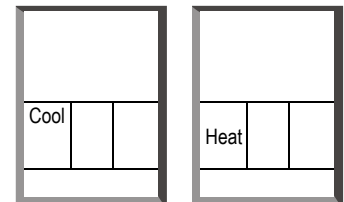


Set point temperature

Room temperature

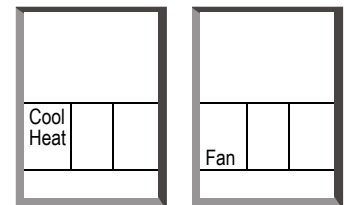
System Modes

- Press the [Mode] button to switch between modes:
 - "Cool" Cooling
 - "Heat" Heating
 - "Cool" & "Heat" *Auto mode
 - "Fan" Fan only
- * Auto mode can be disabled (DIP switch S1.3 OFF)
- * Active mode will flash during demand for cooling or heating.
- * Mode selection available in set point config. only (DIP switch S1.5 ON)



Cooling

Heating

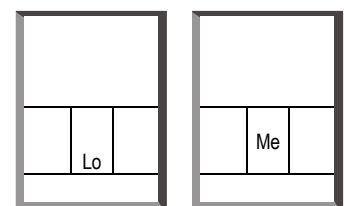


Auto

Fan only

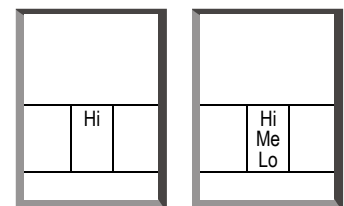
Fan speeds

- Press the [Fan] button to switch between fan speeds:
 - "Lo" Low speed
 - "Me" Medium speed
 - "Hi" High speed
 - "Lo", "Me", "Hi" Auto speed
- * In Auto speed, the fan speed depends on the difference between room temperature and set point.



Low

Medium

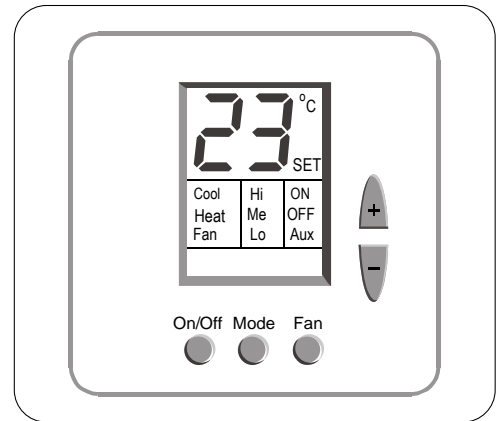


High

Auto

Installation and Wiring

The ETN/VFS is designed for wall mounting in the room to be controlled. It should be located where the occupant can easily read the LCD display and use the controls. If the built in temperature sensor is being used to measure room temperature, the module should be placed where the temperature is representative of the general room conditions. Cold or warm air draughts; radiant heat and direct sunlight should be avoided.

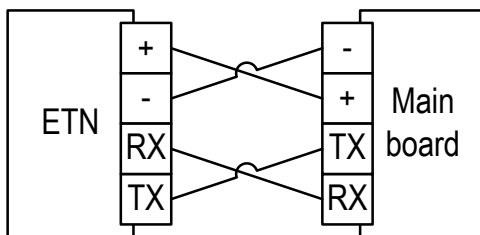


General points to follow:

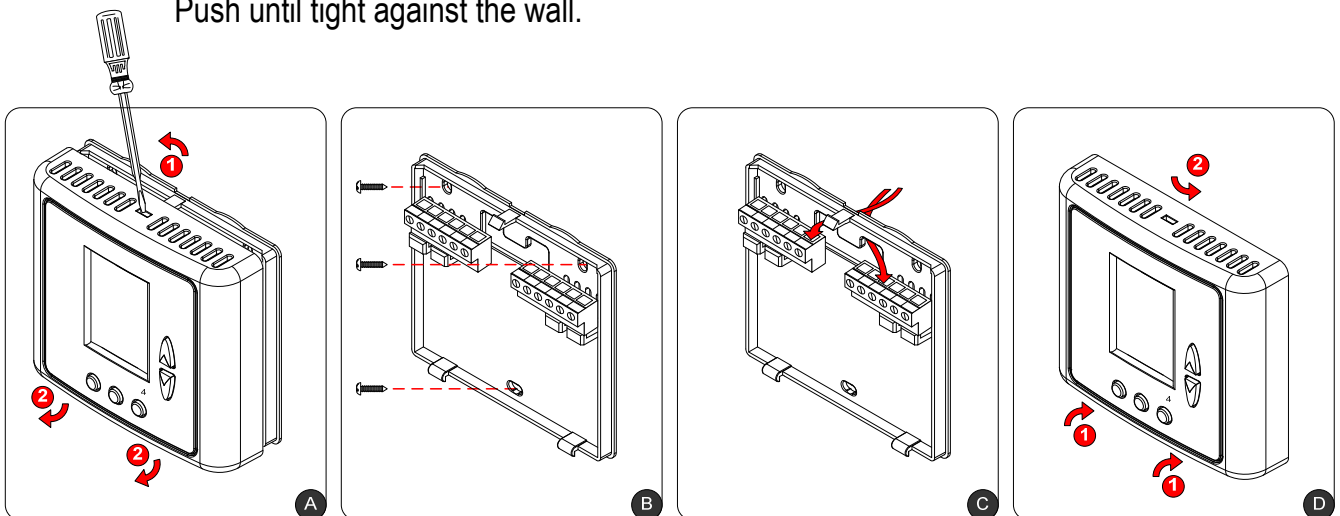
- Disconnect power to the main board before installing the unit.
- The standard height to install this unit is 1.6 meter (5 feet) from the floor.

Installation procedure:

- Separate the front panel from back panel by pressing the tongue located in the top of the unit and pull the back panel out.
- Line the back panel up against the wall or flat surface. Install three screws as required.
- Make electrical connections as shown on enclosed electrical wiring diagram.



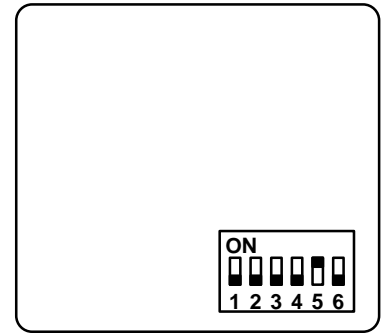
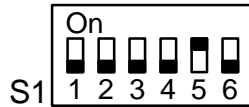
- Install the cove to the back panel; first the two tabs on the bottom and then the top tongue. Push until tight against the wall.



DIP switch S1 settings

Important: Disconnect power to the unit before changing the configuration of the DIP switches.

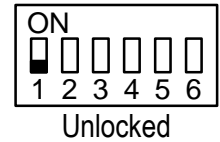
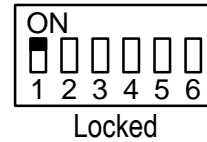
Default position:



S1.1 - Lock all buttons except [On/Off]

ON Locked

OFF Unlocked (default)



Note: The thermostat buttons can be locked separately through the HMI Software.

Indication In both cases will be the same: icon.

The letters "Lo" (locked) will appear on display when attempting to press a locked button.

S1.2 + S1.3 - 2-Pipe / 4-Pipe system

Option 1:

2-Pipe system

(Main board SW1.1 is OFF)
with T2 connected to Main board
(Mode selection by T2 sensor)

Option 2:

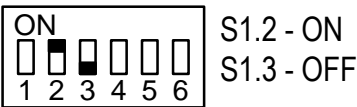
2-Pipe system

(Main board SW1.1 is OFF)
T2 not connected to Main board
(Mode selection by [Mode]
button on ETN)

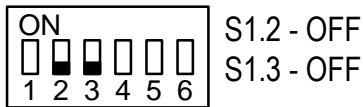
Option 3:

4-Pipe system

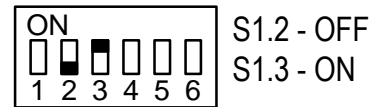
(Main board SW1.1 is ON)
T2 not connected to Main board
(Mode selection by [Mode]
button on ETN)



S1.2 - ON
S1.3 - OFF



S1.2 - OFF
S1.3 - OFF

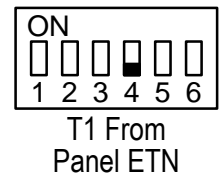
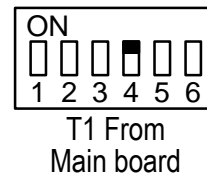


S1.2 - OFF
S1.3 - ON

S1.4 – Ambient temperature readings from panel or main board

ON Enable Auto change over mode

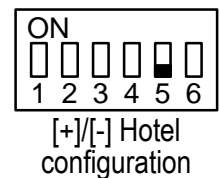
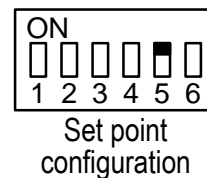
OFF Disable Auto change over mode (default)



S1.5 – Set point or [+]/[-] Hotel configuration

ON Set point configuration (default)

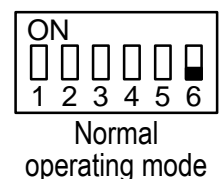
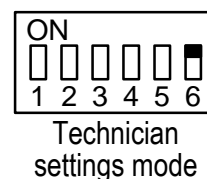
OFF [+]/[-] Hotel configuration



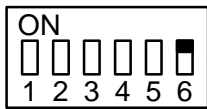
S1.6 – Technician settings / Normal operating mode

ON Technician settings mode

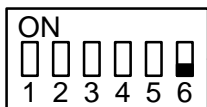
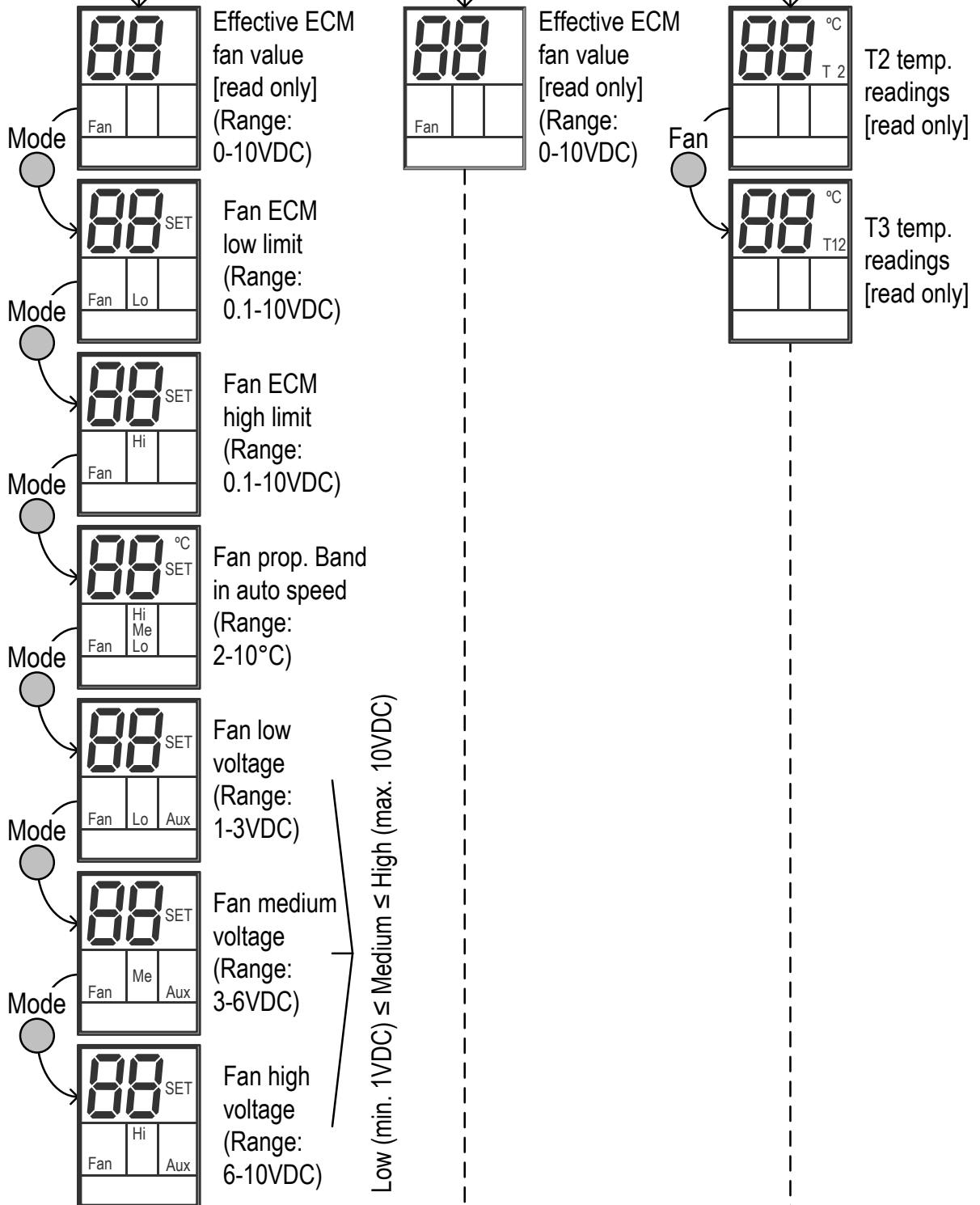
OFF Normal operating mode (default)



Technician Settings



Technician settings mode



Technician Settings (Cont')

Offset for calibration of temperature readings (set point configuration)

- Turn the thermostat off.
- Press and hold the [Mode] button (10 sec.) until the offset appears on display.
- Using the [+] and [-] buttons adjust the offset (range -6...+6°C).
- Press the [On/Off] button to return to normal display.

Temperature set point adjustment range ([+]/[-] hotel configuration)

- Turn the thermostat off.
- Press and hold the [Mode] button (10 sec.) until "C1" ,,, "C9" appear on display.
- Using the [+] and [-] buttons adjust the temperature set point range, i.e. "3" → +/-3 (range +/-1..+/-9).
- Press the [On/Off] button to return to normal display.



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