SPECIFICATIONS

**Electronic Temperature Controller for Fan Coil Unit**

The thermostat for fan coil unit shall be electronic type with integrated ON/OFF, 3 FAN SPEED and HEAT/FAN/COOL switches. The thermostat shall operate on 230 V mains voltage and shall be suitable for operating 2 position motorized 3/2 way mixing/diverting valve . The thermostat shall have a precalibrated NTC thermistor and shall be suitable for operation in the range of $15^\circ$-35$^\circ$ C with a switching differential of 1$^\circ$ C.

All thermostat shall be fitted on standard mounting plate as recommended by the manufacturer.

**Electronic Temperature Controller for Fan Coil Units with temperature reset facility**

The temperature controller for Fan Coil Unit will be electronic type with integrated ON/OFF and 3 FAN SPEED switches. It will be suitable for operating 2 position, 3/2 Way Valve. The controller will have a precalibrated NTC thermistor sensor and will be suitable for operation in the range of $15^\circ$-35$^\circ$ C with a switching differential of 1$^\circ$ C.

The controller will have provision to accept centralized signals for
- Heat/Cool changeover
- Temperature set point reset.

**Occupied Mode:-**

The thermostat works on set point.

**Unoccupied Mode:-**

The thermostat sets the temperature up by 3$^\circ$ C from set point in cooling operation. It sets the temperature down by 3$^\circ$ C from set point in heating operation

**Electronic Modulating Temperature Controller**

An electronic temperature controller with 3 point output, working on 24V AC, shall be used to modulate the 2 position reversible motor of 2/3 way mixing/diverting valves of AHU. The sensing element of electronic temperature controller shall be a precalibrated NTC thermistor sensor mounted either within the controller or in the return air duct. The range of the electronic temperature controller shall be $15^\circ$-35$^\circ$ C with a differential of 1$^\circ$ C.