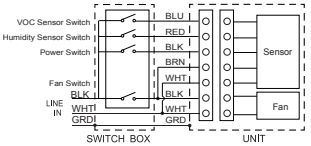
VOC sensor and humidity sensor

CONNECT WIRING DIAGRAM



OPERATION

VOC SENSOR

When the concentration of VOC below a user-adjustable setpoint ,the fan run continuously at a pre-set lower level.When the concentration of VOC above a user-adjustable setpoint ,and continues for more than 5 seconds,the fan will run at high speed . Until the concentration of VOC below a user-adjustable setpoint , After delay timer (5-60 minutes) returns fan to the default low speed.

HUMIDITY SENSOR

The humidity-sensing fan uses a sophisticated humidity sensor that responds to: (a) rapid to moderate (user-adjustable) increases in humidity or (b) humidity above a user-adjustable setpoint (50%-100% relative humidity). Fan run continuously at a preset lower level (set by Low airflow knob) and automatically boost up to certified airflow rate when environmental conditions change. If the fan continuously responds to changing environmental conditions, “H” (means “humidity”) adjustment may be required. This figure is factory-set for about 75% (Ambient temperature of 25 ℃).

SENSITIVITY ADJUSTMENT

The “H” has been factory set for most shower applications. However, if the fan is in a tub area or is being used for dampness control, the “H” may need to be increased toward maximum “+”. If the control is responding too often to changing environmental conditions, movement toward less “-” “H” may be required.To adjust the “H”:

1. Disconnect power at service entrance.
2. Through the grille, locate the slot marked “H”.
3. Carefully rotate the “H” adjustment toward “+” or “-”.
4. Turn on power and check operation by turning on the shower or other humidity source until the fan turns on.
5. Repeat above steps if necessary.

When the temperature changes, humidity sensor values will have deviation.

ASSEMBLY INSTRUCTIONS

1. Remove the Grille Assembly from the fan.
2.Put power box in the place showed right, fixed it with screws, and insert the plug from the box into the suitable wire panel. Connect electrical wiring refer to “CONNECT WIRING DIAGRAM” .
3.Install Grille Assembly to the fan.