

The VT10W wall control includes a dehumidistat. It is offered with 3 modes of operation and a maintenance light indicator. This control is to be used with the B1600705 unit.

- 1) To start or stop the unit, press the Mode push button until the desired mode is displayed on the control. There are three modes available: Intermittent Exchange, Continuous Low Speed Exchange and Continuous High Speed Recirculation. If all mode indicators are off, the unit is turned off.

### INTERMITTENT EXCHANGE MODE

To control air quality and humidity, select the Intermittent Exchange Mode. The unit will automatically exchange inside air with outdoor air at high speed if the indoor relative humidity is higher than the selection on the dehumidistat. This mode is ideal for pool room applications.



### CONTINUOUS LOW SPEED EXCHANGE MODE

When continuous ventilation is required, select the Continuous Low Speed Exchange Mode. In this mode, the unit will continually exchange inside air with outdoor air at low speed, and at high speed when humidity excess has been detected.



### CONTINUOUS HIGH SPEED RECIRCULATION MODE

This mode allows continuous high speed recirculation of inside air to manually defrost the heat recovery core, or provide air movement across windows. During this mode, when dehumidistat is activated, the unit switch to high speed exchange to reduce indoor humidity level.



- 2) Humidity Control: To maintain the proper humidity level in your living space and avoid condensation problems, observe the following guidelines:
  - a) Typical adjustment for the B1600705 is to have the wall control set to the Intermittent Exchange Mode, while the dehumidistat is set within the comfort zone.
  - b) The comfort zone represents indoor relative humidity between 45% and 65%.
  - c) If an air handler is incorporated in the system to distribute the air, its blower should be interlocked with the B1600705 control board to be activated during any call for ventilation. This can be done by using the remote fan interlock connections (F and F on the main control board in the unit control box, see its wiring diagram). These contacts close on any call for ventilation.
  - d) If the unit is used in a stand-alone system, the high speed recirculation mode may be used to help reduce window condensation during non-ventilation period. Please note that continuous air movement may cause discomfort to pool users.
- 3) When it becomes necessary to defrost the heat recovery core, air exchange with the outdoors is stopped and the unit goes into recirculation mode, recirculating only indoor air within the recovery core. The core will defrost and ice build-up will be prevented.
 

During the defrost cycle, all functions available on the wall control are interrupted for 6 to 10 minutes. However, you may select any desired mode, except OFF mode, which will immediately interrupt unit operation. The selected mode will be activated once defrost cycle is completed.

### LIGHTED INDICATORS

#### MODE LIGHTS:

A light indicates the mode in which the ventilation system is operating.



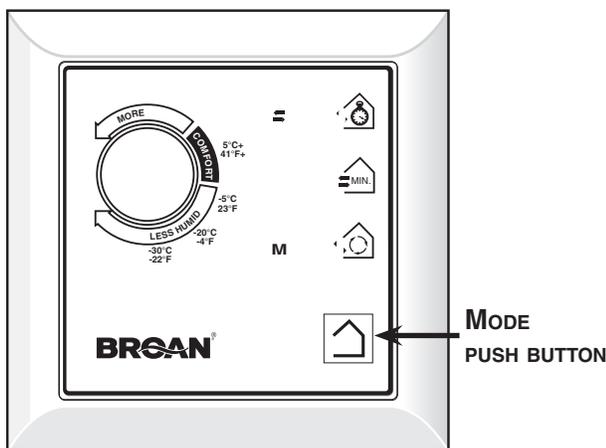
#### EXCHANGE LIGHT:

This light indicates to the user that the unit is exchanging air with the outside.



#### MAINTENANCE LIGHT:

A timer will activate Maintenance light every 3 months to indicate that the filters have to be cleaned. The light will turn off when the unit is disconnected for maintenance.



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