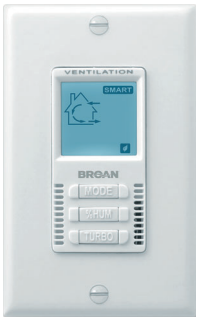
# WALL CONTROLS

## *MAIN CONTROLS*

**Due to the constant evolution of our technologies, it may be possible that some control functions are not compatible to some earlier unit models. For more details, please refer to the compatibility chart on last page.**

All Broan wall controls are user-friendly. They were created for people who want to maximise the benefits of their residential ventilation unit. With Broan wall controls, the homeowner's specific needs are fulfilled.




VC0177

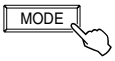
**VT9W**
**Part no. VT9W**

- 5 manual modes: RECIRC, 20MIN/H, CONT, SMART and SMART ECO;
- Dehumidistat: When indoor humidity is too high and exceed the set point, unit will exchange air in high speed to take care of excess humidity. The humidity set point can be changed and you may refer to the Installation and Owner Guide;
- Three defrost cycling settings: Standard, Discretion which will defrost at the speed of operation either high or low, and Plus, which will defrost in high speed for a longer period of time for very cold climate;
- Maintenance indicator;
- At installation, use the VT9W main control to perform electronic balancing, without using balancing dampers.

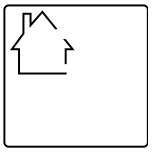
### Operation Modes




Press the **TURBO** function key to turn the unit on air exchange in high speed during 4 hours, then, the unit will get back to its previous operation mode.




Press the **MODE** key to choose the operation mode of the ventilation unit (except TURBO mode).
Operating Mode will then appear on LCD screen (STANDBY, RECIRC, 20 min/h, CONT, SMART).



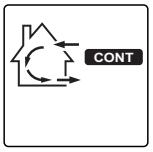
**STANDBY**
Put the unit on stand-by mode, so it will only respond to override wall controls (if present). On LCD screen, only the House is visible showing the control is powered on. This is the factory set default mode.




**RECIRC**
Air is recirculated inside the house on high speed.




**20 min/h**
The ventilation unit exchanges air intermittently on a one hour cycle as follows: OFF for 40 min. (or recirculation for 40 min. on low or high speed, see Settings) and then exchange air during 20 min. on low speed. Repeat cycle after the 20 min. of air exchange.




**CONT**
Air is exchanged with the outdoors at the minimum blower speed.

**SMART**
Air exchange is managed according to indoor humidity measured by the wall control and outdoor temperature. In SMART mode, the SMART icon appears as well as the current operating mode called by SMART (For more details about SMART features, refer to the *User Guide Main and Auxiliary Wall Controls* available at www.broan-nutone.com).

# *MAIN CONTROLS (CONT'D)*




VC0178

**VT8W**
**Part no. VT8W**

- Automatic and programmable control (keeps in memory all ventilation settings even after a power failure)
- Digital display with backlight (blue or green)
- Day, hour and periods of the day displayed
- Dynamic exchange and recirculation indicators, and also indoor and outdoors temperature
- Maintenance indicator




VC0179

**VT7W**
**Part no. VT7W**

- Allows the user to choose either the manual modes or the automatic mode (dehumidistat)
- 1" x 1" LCD display
- Digital display with blue backlighting
- Dynamic exchange and recirculation* indicators
- Interior relative humidity displayed
- Maintenance indicator

### Operation Modes

**SMART Mode**

Our latest innovation! This mode optimizes automatically the ventilation functions to ensure reaching an unsurpassed comfort in the house.

**VENT Mode**

In this mode, the air exchange with the outside is performed with the speed (OFF, MIN or MAX) or with a 20, 30 or 40-minute per hour cycle, according to the user's choice.

**RECIRC Mode**

In this mode, the user decides to recirculate the air inside his house (OFF, MIN, MAX or OFF, MAX, according to the unit).

**PROG Mode**

The ventilation unit operation is factory set for alls 4 periods (morning, day, evening and night), for week days and week end days. However, these settings can be modified by the user to meet his own needs.

### Operation Modes




**RECIRC Mode***

In this mode, the air is recirculated inside the house at high speed.




**20 min/h Mode**

The ventilation unit exchanges air intermittently on a one-hour cycle as follows: OFF for 40 min. (or recirculation* on high or low speed for 40 min.) and then exchanges air during 20 min. on low speed. Repeats cycle after the 20 min. of air exchange.




**Min Mode**

Air is exchanged with the outside on low speed.




**Max Mode**

Air is exchanged with the outside on high speed.

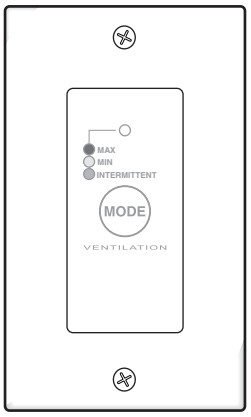



**Hygrometer**

In the operating modes listed above, select a dehumidistat override so that if the relative humidity (RH) in the house exceeds the RH setting previously stored, the ventilation unit will exchange in high speed until the target indoor RH setting is reached.

* Recirculation is not available to all units. For more details, please refer to the compatibility chart on last page.

# *MAIN CONTROLS (CONT'D)*




VC0165

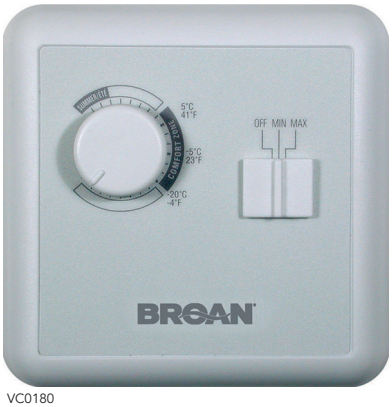
**VT4W**
**Part no. VT4W or 40380**

The light indicator of this wall control shows clearly in wich operating mode the unit is.

This push-button control has three functions:

- Intermittent (unit is OFF during 40 minutes and then perform low speed air exchange with the outdoors during 20 minutes)
- Min (low speed air exchange)
- Max (high speed air exchange)

NOTE: Wall control appearance may slightly vary.




VC0180

**VT6W**
**Part no. VT6W**

The VT6W main control adjusts the air supply speed using the sliding button: OFF, MIN (low speed air exchange) and MAX (high speed air exchange). Also, the maximum humidity level for your house is selected by the knob.

# AUXILIARY CONTROLS

**VB60W**




VC0183

**VBATHW**




VC0190

**VB60W OR VBATHW PUSH BUTTON**
**Part no. VB60W or VBATHW**

This timer allows the unit to turn on high speed during 20, 40 or 60 minutes to expel rapidly indoor stale air. Within 2 seconds, press once for 20 minutes, twice for 40 minutes or three times for a 60-minute activation. Press another time to deactivate.

NOTE: Push button appearance may slightly vary.




VC0182

**VB20W**
**Part no. VB20W**

This timer allows the unit to provide 20 minutes of high speed ventilation at the push of a button, to expel rapidly indoor stale air. Lighted when activated, up to five of them can be installed (e.g.: in bathroom, kitchen, laundry room, etc.).

NOTE: Push button appearance may slightly vary.

## WALL CONTROL COMPATIBILITY CHART

| Model no. | VT9W | VT8W version 4.04 and up (NOTE 1) | VT7W version 2.04 and up (NOTE 1) | 40380, VT4W | VT6W | VB60W, VBATHW | VB20W |
|---|---|---|---|---|---|---|---|
| ERV140TE | | **PJ1214**xxxxxxx (NOTE 2) | **PJ1214**xxxxxxx (NOTE 2) | | | | |
| HRV160TE | | | | | | | |
| HRV160T | | | | | | | |
| ERV200TE, HRV200TE, ERV250TE & HRV250TE | | | | | | | |
| ERV70T, ERV70S | | | | | | | |
| HRV80T, HRV80S | | | | | | | |
| HRV90T, HRV90S | | | | | | | |
| HRV150S | | | NOTE 4 | | | | |
| HRV190S | | | NOTE 4 | | | | |
| ERV180S | | | NOTE 4 | | | | |
| ERV110T | | | | | | **BL101702**xxxxx (NOTE 3) | |
| ERV110S | | | | | | **BK101702**xxxxx (NOTE 3) | |
| ERV120T | | | | | | **LD711702**xxxxx (NOTE 3) | |
| ERV120S | | | | | | **LC711702**xxxxx (NOTE 3) | |
| HRV120T | | | | | | **LF711702**xxxxx (NOTE 3) | |
| HRV120S | | | | | | **LE711702**xxxxx (NOTE 3) | |
| ERV100SP | | | | | | | |
| ERV100S | | | NOTE 4 | | | | |
| ERVS100S-HW, ERVS100S-HW-M, ERVS100S-PC | | | | | | | |
| HRVH100S & ERVH100S | | | | | | | |
| HRV150FLS & HRV190FLS | | | | | | | |
| HRV130FL & ERV130FL | | | NOTE 4 | | | | |

NOTE 1: Wall control including configurable low speed recirculation in intermittent mode.
NOTE 2: Low speed recirculation in intermittent mode starts with this unit serial number. However, this control remains compatible with units with serial number under this one.
NOTE 3: The compatibility starts from this unit serial number.
NOTE 4: Recirculation mode is not available for this unit.

| | |
|---|---|
| | Compatible |
| | Not compatible |
| Letters and numbers | This code is the serial number of the ventilation unit; consider only the letters and numbers mentioned, not the "xxx".<br>E. g.: ERV140TE with serial number PJ12150004007 is fully compatible with VT8W version 4.04 and VT7W version 2.04 (PJ1215 is higher than PJ1214). |

Subject to change without prior notice.