

The Broan AI series wall controls line-up is modern, stylish and user-friendly. It has been designed to please both homeowners and installers. The line-up offers various controls that have been created to meet specific needs and different applications. This line-up is compatible exclusively with the AI series. Only the 20-40-60 control is compatible with previous series.

From the basic wall control to the most advanced fresh air system wall control ever put on the market, there is a wall control to suit your needs.

Main Controls

Part no. VTTOUCHW

ADVANCED TOUCHSCREEN



VC0189

It is the most advanced wall control thanks to Virtuo Air Technology™. It features intuitive, fully configurable modes via the touch screen. It is the perfect wall control for those who love technology. It offers bidirectional communication between the unit and the wall control to get detailed maintenance information. All unit settings are easy to program. The pairing with auxiliary control(s) is simple. The installer can also save a program to reuse it for a similar dwelling.



SMART: The system will operate according to outdoor temperature and indoor temperature/humidity.



CONT: MIN, MED or MAX speed continuous exchange ventilation.



INT: Alternate between continuous exchange mode and standby or recirculation (if available) modes as per selected configuration. Speed and time are adjustable.



RECIRC (if available): Recirculate air inside the house at the selected speed.



TURBO: 4-hour MAX speed exchange ventilation then comes back to its previous mode.



DEHUM/HUMIDISTAT: The wall control includes a programmable dehumidistat/humidistat. The dehumidistat will deactivate if outside temperature exceeds 75°F (24°C).



SCHEDULING: It is possible to schedule the ventilation system operating modes for a week.



The indicator lights up when filter maintenance is required and there is a detailed system error log for easier maintenance.

AWAY

When you are not home, the system provides minimum ventilation of your house.

STB

Standby mode

NOTE: The temperature displayed on ADVANCED TOUCHSCREEN wall control may vary by 9°F (more or less) compared to the outside temperature since the temperature sensor is located inside the unit to ensure a reading that optimizes Virtuo Air Technology™ algorithms.

Main Controls (Cont'd)

Part no. VTDEHUMW

DEHUMIDISTAT



VC0191

It is the perfect wall control to manage the humidity percentage in the house. It features an integrated humidity sensor to support the humidity level selected, which allows continuous comfort even in the changing seasons.



DEHUM: Select from 30% to 55% RH. If the set point is exceeded, the system will operate in MAX speed until the set point is reached. The dehumidistat will deactivate if outside temperature exceeds 75°F (24°C).



CONT: MIN speed (light LED indicator) continuous exchange ventilation.
MAX speed (dark LED indicator) continuous exchange ventilation.



INT: 20 min in MIN speed continuous exchange ventilation and 40 min in standby or recirculation (if available) modes as per selected configuration.



The indicator lights up when filter maintenance is required and the indicator flashes when a system error is detected.

STB

Standby mode

Part no. VAUTOW

AUTOMATIC



VC0184

It is designed to make customer's life easier. All basic features as well as the most popular modes are included with this wall control.



AUTO: The system will operate according to outdoor temperature.



CONT: MIN, MED or MAX speed continuous exchange ventilation.



INT: 20 min in MIN speed continuous exchange ventilation and 40 min in standby or recirculation (if available) modes as per selected configuration.



RECIRC (if available): Recirculate air inside the house at MAX speed.



TURBO: 4-hour MAX speed exchange ventilation then comes back to its previous mode.



The indicator lights up when filter maintenance is required and the indicator flashes when a system error is detected.

STB

Standby mode

Main Controls (Cont'd)

Part no. VTSPEEDW

SPEED SELECTOR



VC0187

Thanks to the PMSM motors, it features various speed levels for continuous or intermittent ventilation. It offers a controlled sound environment without change of state.

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- CONT: Select from 30% to 100% speed for continuous exchange ventilation.
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- INT: 20 min in selected speed continuous exchange ventilation and 40 min in standby or recirculation (if available) modes as per selected configuration.
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- TURBO: 4-hour MAX speed exchange ventilation then comes back to its previous mode.
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- The indicator lights up when filter maintenance is required and the indicator flashes when a system error is detected.
- STB Standby mode

DIFFERENCE BETWEEN AUTOMATIC MODE AND SMART MODE

AUTOMATIC MODE	SMART MODE																								
In AUTOMATIC mode, the system operates according to outdoor temperature. The system operates as follows: • Less than -25°C = 10 min/hr • -25°C to -7°C = 20 min/hr • 10°C to 25°C = MIN speed • 25°C to 28°C = 30 min/hr • 28°C to 33°C = 20 min/hr • Above 33°C = 10 min/hr	The SMART mode uses indoor relative humidity level and outdoor temperature to manage the air exchange with the outdoors, in order to enhance comfort in the house. See graph below. The graph plots indoor relative humidity (20% to 80%) against outdoor temperature ranges. Shaded regions indicate different ventilation speeds: 20min/h (light gray), CONT (medium gray), and TURBO (dark gray). A star icon is present in the top right corner of the graph area. <table><caption>Outdoor Temperature Ranges for SMART Mode</caption><tr><th>Range</th><th>From</th><th>To</th></tr><tr><td>1</td><td>-35°C</td><td>-25°C</td></tr><tr><td>2</td><td>-25°C</td><td>-15°C</td></tr><tr><td>3</td><td>-15°C</td><td>-5°C</td></tr><tr><td>4</td><td>-5°C</td><td>5°C</td></tr><tr><td>5</td><td>5°C</td><td>15°C</td></tr><tr><td>6</td><td>15°C</td><td>25°C</td></tr><tr><td>7</td><td>25°C</td><td>35°C</td></tr></table>	Range	From	To	1	-35°C	-25°C	2	-25°C	-15°C	3	-15°C	-5°C	4	-5°C	5°C	5	5°C	15°C	6	15°C	25°C	7	25°C	35°C
Range	From	To																							
1	-35°C	-25°C																							
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3	-15°C	-5°C																							
4	-5°C	5°C																							
5	5°C	15°C																							
6	15°C	25°C																							
7	25°C	35°C																							

Auxiliary Controls

Part no. VBATHW

20-40-60



VC0190

For installation in a bathroom, a laundry room or a workshop. This wall control can be installed with any main control of the AI series.



CONT: MAX speed exchange ventilation for 20, 40 or 60 minutes.

Part no. VBATHBTW

20-40-60 DELUXE



VC0188

It is designed to make installers and customers life easier with its wireless and automatic RH detection. For installation in a bathroom, a laundry room or a workshop. **Bluetooth® wireless pairing with the ADVANCED TOUCHSCREEN main control (part no. VTTOUCHW).**



CONT: MAX speed exchange ventilation for 20, 40 or 60 minutes.



Integrated sensor detects humidity rise and sets MAX speed for 20 minutes or as per selected configuration.



Wireless pairing with the ADVANCED TOUCHSCREEN main control.



Low batteries indicator - requires 2 AAA 1.5 V batteries.

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