

# KVACN Wall Controls for ERV/HRV Ventilators



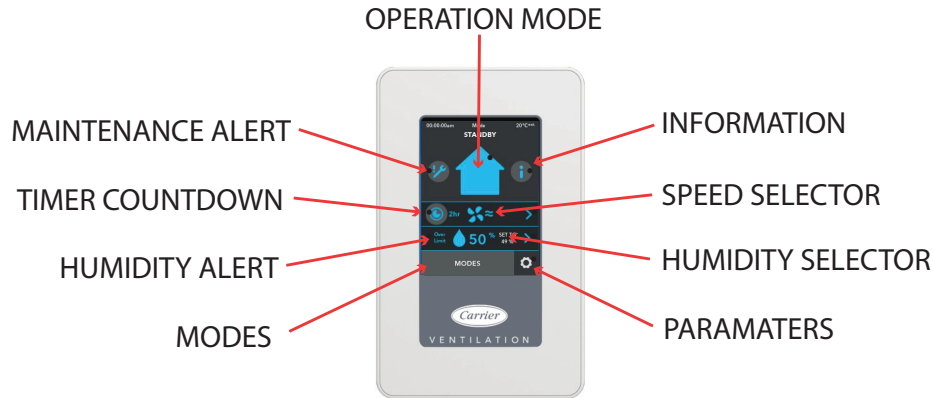
## Product Data

The KVACN 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 new line-up of controls is only compatible with the newest ventilator models, except for the Bathroom Override control which is also compatible with the previous ventilator 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.

### PREMIUM CONTROL

It is the most advanced wall control thanks to advanced ventilation control algorithms. 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.



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|      | 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 modes as per selected configuration. Speed and time are adjustable. |
|      | RECIRC: Recirculate air inside the house at the selected speed.  |
|      | TURBO: 4-hour MAX speed exchange ventilation then comes back to its previous mode.   |
|      | DEHUM: The wall control includes a programmable dehumidistat.  |
|      | 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.  |

**NOTE:** The temperature displayed on wall control may vary by 5°C (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 the ventilation algorithms.

## AUTOMATIC CONTROL

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.

### MAINTENANCE ALERT

The maintenance LED will light when filter maintenance is required. After maintenance is completed, press AUTO button for 4 secs to reset the counter.

If maintenance LED is flashing, it means there is an error. Go to the ERV/HRV LCD to check the error code (ex: E23). Refer to the manual for details.

### AUTOMATIC MODE

AUTO is an automatic mode that will manage the ventilation level according to the monitored outside temperature.

Press again to exit and return to the previous mode. Selecting any other mode will automatically exit AUTO mode.

### RECIRCULATION MODE

Recirc may be skipped if not available with the HRV/ERV connected.

### TURBO MODE

TURBO sets the unit in exchange MAX speed for a 4-hour period, and will go back to its previous mode when completed.

Press again to exit and return to previous mode. Selecting any other mode will automatically exit TURBO mode.

### CONTINUOUS VENTILATION SPEED

Previously set on the LCD screen

### INTERMITTENT MODE

INT can be set in Standby or Recirculation using the unit display. Refer to the ERV/HRV manual.

### PRESS TOGGLE

Each press toggles between Standby, Recirc (arrows), INT 20min/h, exchange MIN, MED, and MAX.



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|  | 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 modes as per selected configuration. |
|  | RECIRC: 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.               |

## DEHUMIDISTAT CONTROL

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.

### MAINTENANCE ALERT

The maintenance LED will light when filter maintenance is required. After maintenance is completed, press AUTO button for 4 secs to reset the counter.

If maintenance LED is flashing, it means there is an error. Go to the ERV/HRV LCD to check the error code (ex: E23). Refer to the manual for details.

### INTERMITTENT MODE

You can choose to set the unit in intermittent low speed ventilation (20min/h).

If both button's LEDs are off it means the unit is in Standby. INT can be set in Standby or Recirculation using the LDC. Refer to the ERV/HRV manual.

### HUMIDITY SENSOR

### CONTINUOUS MODE

You can choose to set the unit in continuous low speed. Intensity of the light will change, ventilation or high speed with second click. If both button's LEDs are off it means the unit is in Standby.

### HUMIDITY % SELECTOR

Each press toggles the setpoint between Disabled, 30%, 35%, up to 55%. No LED = Dehumidistat disabled.

When the humidity level exceeds the setpoint, the unit will step up to high speed ventilation until humidity returns to setpoint or below.

### PRESS TOGGLE

Each press toggles between Disabled - 30 - 35 - 40 - 45 - 50 - 55% humidity.



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|  | DEHUM: Select 30% to 55% RH. If the set point is exceeded, the system will operate in MAX speed until the set point is reached.   |
|  | CONT: MIN speed continuous exchange ventilation.  |
|  | INT: 20 min in MIN speed continuous exchange ventilation and 40 min in standby or recirculation modes per selected configuration. |
|  | The indicator lights up when filter maintenance is required and the indicator flashes when a system error is detected.            |

## SPEED SELECTOR

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.

**MAINTENANCE ALERT**

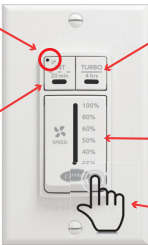
The maintenance LED will light when filter maintenance is required. After maintenance is completed, press AUTO button for 4 secs to reset the counter.

If maintenance LED is flashing, it means there is an error. Go to the ERV/HRV LCD to check the error code (ex: E23). Refer to the manual for details.

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**INTERMITTENT MODE**

You can choose to set the unit in intermittent low speed ventilation (20min/h). If both button's LEDs are off it means the unit is in Standby. INT can be set in Standby or Recirculation using the LDC. Refer to the ERV/HRV manual.



**TURBO MODE**

TURBO sets the unit in exchange at 100% speed for a 4-hour period, and will go back to its previous mode when completed. Press again to exit and return to previous mode. Selecting any other mode will automatically exit TURBO.

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**SPEED SELECTOR**





Each press toggles between Standby, 30%, 40%, etc., up to 100%.

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**PRESS TOGGLE**


Each press toggles between Standby - 30 - 40 - 50 - 60 - 80 - 100% speed.

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|  | CONT: Select from 30% to 100% speed for continuous exchange ventilation.   |
|  | INT: 20 min in selected speed continuous exchange ventilation and 40 min in standby or recirculation modes per selected configuration. |
|  | 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.                 |

## AUXILIARY BATHROOM OVERRIDE

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



**OPERATION TIME**


LED shows the selected or remaining time. For example, if you select 40 min, the 40 min LED will light. After 20 min, the 40 min LED will turn off and the 20 min LED will light. When complete, the unit will go back to its previous mode.

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**PRESS TOGGLE**

Each press toggles between 20 min, 40 min, 60 min, and Normal operation.

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