



Model

611242-FC : Digital Multifunction Control with Free Cooling setting

Description

Decora™-style wall mount electronic controller with dehumidistat, compatible with Aldes HRV and ERV air exchange systems.

Characteristics

- Compact and elegant design that fits discretely in every decor
- High-accuracy, fast-response humidity sensor
- Liquid-crystal display showing the current humidity level, set point, and mode of operation
- Keypad with 4 buttons to select the mode of operation, the set point value, and the fan speed
- Blue LED backlight configurable as a night light
- Two energy-friendly modes with automatic exchange and exchange-recirculation cycles
- Timer-controlled high-speed exchange modes for high occupancy conditions: birthdays, celebrations, etc.




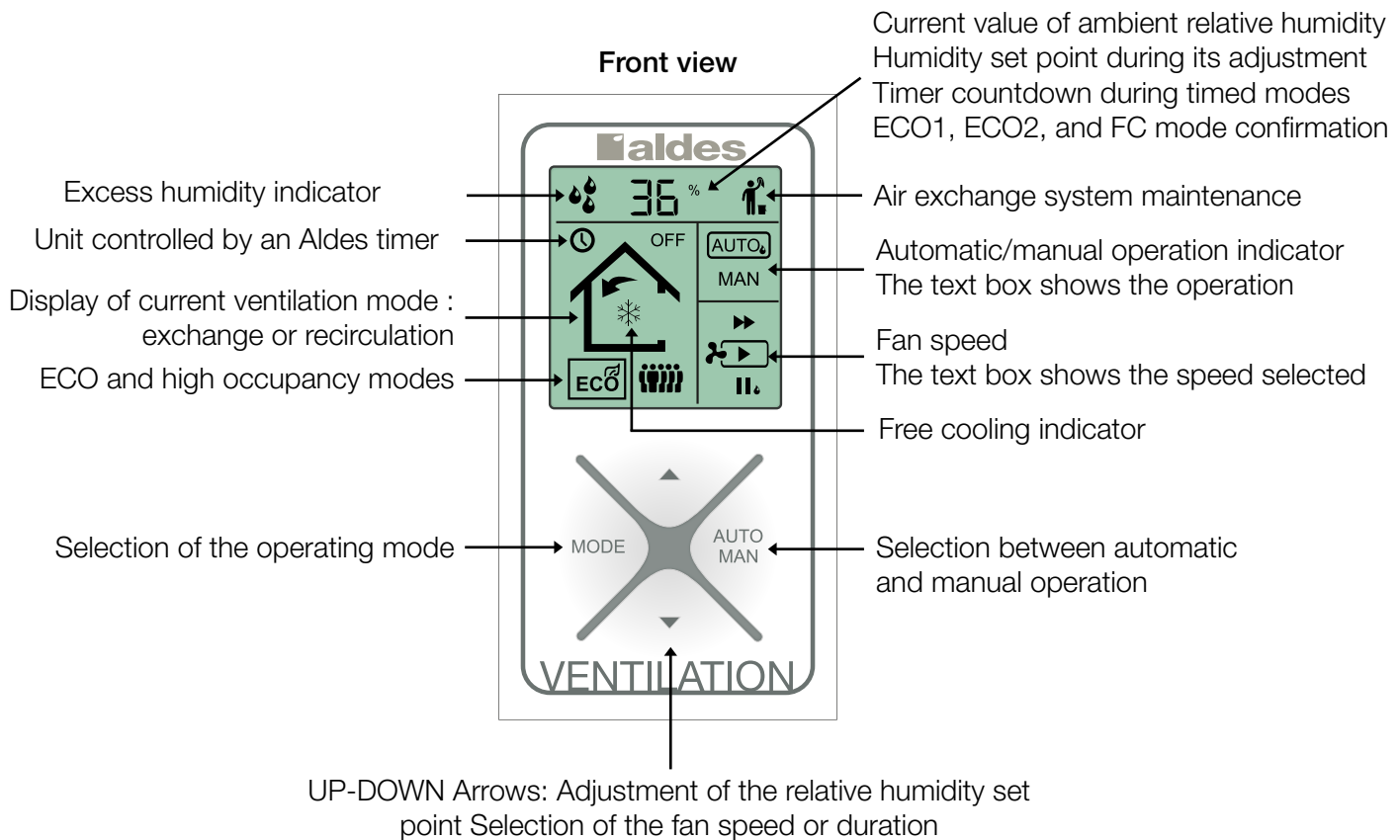
Specifications

Description	611242
Relative humidity display range:	25% to 99% LO/BAS indicated if lower than 25%
Operating temperature range:	0 to 50 °C (32 to 122 °F)

Precautions and warnings

- Do not spray any type of liquid nor apply a soaked cloth on the controller. Any infiltration of liquid in the device could alter its operation momentarily or permanently.
- Always service your air exchange system as prescribed in its operating manual to prevent any loss of performance.

 This electronic device integrates components and materials that must not be thrown into the garbage. Please recycle the device according to the rules in place in your area.




This multifunction controller with dehumidistat offers multiple modes enabling a personalized control of your air quality.

Note: your choice of operation mode becomes active 6 seconds after its selection.


1. Manual mode: exchange

If you occasionally want to refresh the air in your house or a room for a certain period, you must select the manual air exchange mode. This air exchange is continuous. To select this mode, you must proceed as follows:

- Select manual operation by pressing the AUTO/MAN key. The MAN indicator will be displayed;
- Press the MODE key until the “exchange” symbol  appears;
- Select the desired speed, “low” or “high”, using the UP-DOWN arrow keys.

2. Manual mode: recirculation

You can select the “manual air recirculation” mode if the air quality in your space is adequate, or if the outdoor humidity is too high. This activates a continuous air recirculation without exchange. Proceed as follows to select this mode:

- Select manual operation by pressing the AUTO/MAN key. The MAN indicator will be displayed;
- Press the MODE key until the “recirculation” symbol  appears;
- Select the desired speed, “low” or “high”, using the UP-DOWN arrow keys.

3. ECO-1 Mode

In winter time, if you wish to exchange the air in your space and you are concerned by letting in cold air, you can select the ECO-1 mode. This mode activates a low-speed air exchange cycle for the first 20 minutes, followed by air recirculation for 40 minutes. This sequence repeats every 60 minutes. Proceed as follows to select this mode:

- Press the MODE key until the ECO symbol is outlined by the selection box;
- Select the ECO-1 mode by pressing the DOWN arrow key. ECO1 will be shown at the top of the display.


4. ECO-2 Mode

In winter time, if you wish to exchange the air in your space and you are concerned by letting in cold air, you can select the ECO-2 mode. This mode activates a low-speed air exchange cycle for the first 20 minutes, and the ventilation is stopped for the next 40 minutes. This sequence repeats every 60 minutes. Proceed as follows to select this mode:

- Press the MODE key until the ECO symbol is outlined by the selection box;
- Select the ECO-2 mode by pressing the DOWN arrow key. ECO2 will be shown at the top of the display.

5. HIGH OCCUPANCY mode

The HIGH OCCUPANCY mode is a convenient way to refresh the air during gatherings. This mode executes a highspeed air exchange sequence for your selection of one, two, or four hours. Once the selected period ends, your air exchange system returns to the mode previously selected. To select this mode, you must proceed as follows:

- Press the MODE key until the “high occupancy” symbol  is outlined by the selection box;
- Press the UP-DOWN arrow keys to select the period of air exchange desired; one, two, or four hours. The period selected is confirmed at the top of the display.


6. System stopped: “OFF”

The mode halts the multifunction controller and the air exchange system. Note that the relative humidity measurement is deactivated. To select this mode, you must proceed as follows:

- Press the MODE key until the OFF indicator is shown at the top of the display.


7. Operation with an Aldes ventilation timer

This 611242 multifunction controller is compatible with the Aldes 611228 timer unit (not included). When coupled together, the timer takes precedence over the 611242 mode of operation and forces high-speed air exchange during its countdown interval.

- When the 611228 timer is active, the “timer” symbol  is shown on the display
- Refer to your 611228 timer user guide for more information.

8. Dehumidistat mode

This mode automatically controls the level of relative humidity by activating the high-speed air exchange when the ambient humidity level exceeds the selected set point. To select this mode, you must proceed as follows:

- Press the MODE key until the “exchange” symbol  appears;
- Select automatic operation using the AUTO/MAN key. The AUTO indicator will be displayed;
- Press the UP-DOWN arrow keys to select the relative humidity set point desired.

Important Note: to remove the excess relative humidity level in your living space, the outdoor relative humidity must be lower than the indoor ambient set point desired. Otherwise, your air exchange system will continuously exchange without reaching the desired humidity level.

9. Free Cooling setting

This setting is to take advantage of the automatic Free Cooling mode available on certain Aldes air exchangers. If the indoor temperature exceeds 22°C and the outdoor temperature is cooler (13°C to 19°C), Free Cooling brings in the fresh air directly, without heat exchange. This lowers the temperature of the indoor air, while reducing the need for air conditioning.

- To activate or deactivate the Free Cooling mode of HRV, press the UP-DOWN arrow keys together for 2 seconds;
- The alphanumeric characters indicate the transition to the active state « On » or inactive state « Off » of the Free Cooling mode on the HRV. When the Free Cooling mode is activated, the symbol ❄️ appears;

NOTE: Even if the Free Cooling symbol ❄️ appears on the screen, it takes specific indoor and outdoor temperature conditions (described above) for the ventilator to actually operate in the Free Cooling mode.

Backlight function

The controller incorporates two convenient backlights for use in dark locations and at night. The display backlight turns on when pressing any button, and turns off for 6 seconds, following the last action. The keypad backlight operates simultaneously with the display backlight in its normal configuration. The keypad backlight can also function as a night light to generate a soft, permanent lighting.

To activate or deactivate the night light function, press the MODE key for 2 seconds.

Air exchange system maintenance indicator

The humidistat displays a blinking maintenance indicator every 3 months of operation. This indication signifies that the basic maintenance routine of your air exchange system is due. After the fourth 3-month period, this indicator turns on steadily (non-blinking), notifying that the annual maintenance routine of your system shall be performed. Please consult your air exchange system technical documentation to learn about the maintenance routine of its filters and components.



After each maintenance routine, hold the AUTO/MAN key for 2 seconds to reset the maintenance schedule. The indicator turns off and the maintenance timer is restarted for the next 3-month period.

Operation recovery after a power failure

When recovering from a power failure (air exchange system turned off or electricity blackout), the control restarts in its last operation mode selected. If this mode implies a timer function (ECO and HIGH OCCUPANCY), the timer restarts at its initial value, as if the mode would be freshly selected.

Cleaning

Clean your Digital Multifunction Control using a lightly damp cloth and a light cleaner.