Wall Control

Installation and Operating Guide

HEPA 3000 / HEPA 3100 / HRV 2500 / HRV 2600 / HF 3.0 / HF 3.1 / HR 2.5 / HR 2.6

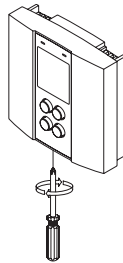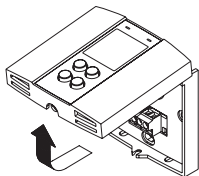## ❶ Installing the Wall Control

WARNING

Always disconnect power to the unit before making any connections. Failure to disconnect power could result in electrical shock or in damage of the wall control or of the electronic module inside the unit.
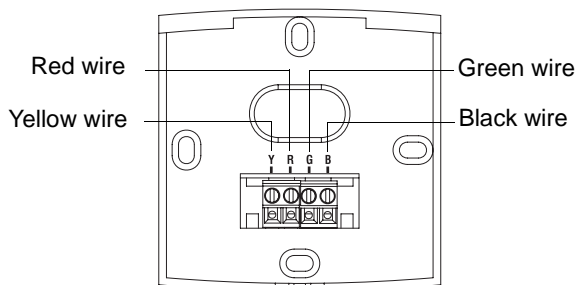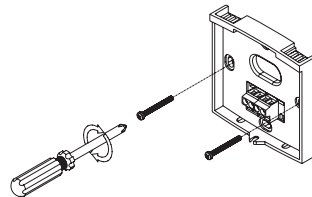
CAUTION

Failure to comply with the following can cause erratic operation of the unit:
- Do not install more than one wall control per unit.
- Keep the low-voltage wires at least 1 foot (305 mm) away from motors, lighting ballasts, light dimming circuits and electrical panels. Do not route the wires alongside electrical wires.
- Ensure the wires are securely connected.
- Disconnect power from the unit before removing the wall control's faceplate from its mounting plate.

❶ Route the cable from the unit to a convenient location for the wall control.

❷ Loosen the locking screw (the screw cannot be completely removed).

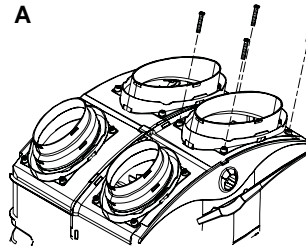❸ Detach the faceplate from the mounting plate by pulling the bottom part.

❹ If necessary, bore the mounting holes and insert anchors.

❺ Pass the cable (4 wires) through the opening of the mounting plate and fix the plate to the wall using the screws provided.

❻ Splice back the end of the cable to access the 4 wires. Strip the end of each wire. Connect each wire to its corresponding terminal.

Red wire — Green wire
Yellow wire — Black wire

Y R G B

❼ Reinstall the front module onto the back plate and tighten the locking screw.

❷ Connecting to the Unit
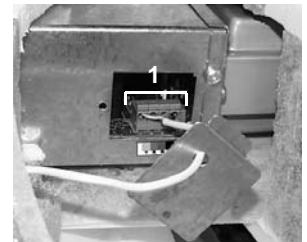
❶ Remove the front oval port (A) and the front panel (B) of the unit by unscrewing their retaining screws.

A   B

❷ Splice back the end of the cable to access the 4 wires. Strip the end of each wire. Insert the end of the cable through the small hole on the front of the unit.

❸ To access the unit terminals, remove the side door located on the electrical box and punch out its knock-out hole. Run the cable through the hole and connect each wire in its corresponding terminal: yellow wire to Y terminal, red wire to R terminal, green wire to G terminal and black wire to B terminal.

NOTE: Push forward slightly on the little tabs (1) to ease insertion of each wires.

❹ Reinstall the side door on the electrical box and the oval port on the unit.

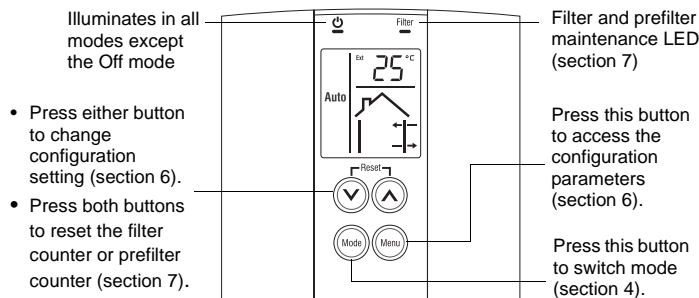❺ Route the wire through its channel and reinstall the front panel on the unit.

❻ Plug the unit.

NOTE: When using the wall control, the main switch on the unit must always be set to NORMAL/REMOTE.

❸ Power-up

The wall control is in Off mode when power is applied for the first time. The mode does not change following a power interruption.

Illuminates in all modes except the Off mode

- Press either button to change configuration setting (section 6).
- Press both buttons to reset the filter counter or prefilter counter (section 7).

Filter and prefilter maintenance LED (section 7)

Press this button to access the configuration parameters (section 6).

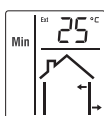Press this button to switch mode (section 4).

❹ Modes of Operation

The wall control provides five modes of operation. Press the **Mode** button to select the desired mode.
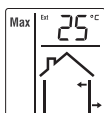
4.1 Normal Mode (Min)

The unit exchanges air at normal speed. The outdoor temperature is displayed.
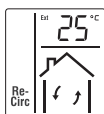
4.2 Boost Mode (Max)

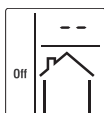The unit exchanges air at high speed. The outdoor temperature is displayed.

4.3 Recirculation Mode (Re-Circ)

The unit recirculates air. However, every 20 minutes the unit exchanges air for 2.5 minutes so that it can obtain a reading of the outdoor temperature.
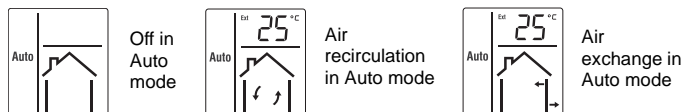
4.4 Off Mode

The unit is off. The temperature is not displayed.

4.5 Automatic Mode (Auto)

The unit operates on a 60-minute cycle. For the first 40 minutes, the unit recirculates air or is off (see configuration parameter 2). For the last 20 minutes, it exchanges air. However, if the outdoor temperature is too high or too low (see configuration parameters 3 and 4), the unit recirculates air during the last 20 minutes.

Off in Auto mode

Air recirculation in Auto mode

Air exchange in Auto mode

❺ Error Message

Display	Explanation
E1	There is no communication between the wall control and the unit.
E2	The temperature sensor is defective. (The unit will automatically switch to Off mode if this happens.)

❻ Configuration

- See the Configuration Table at the bottom of the page for the list of configuration parameters.
- Press the **Menu** button for 3 seconds to enter or exit the configuration menu.

  NOTE: The wall control automatically saves any changes and exits the configuration menu if no button is pressed within the next 60 seconds.
- Press the **Menu** button briefly to advance to the next parameter (menu number).
- Press the $\odot$ or $\otimes$ button to change the parameter setting.

❼ Filter Maintenance

Prefilter (6-month)

The filter LED flashes when it's time to replace the prefilter*. This happens when the unit has run for an equivalent of 6 months of non-interrupted air exchange or air recirculation. To reset the counter and turn the LED off, simultaneously press both $\odot$ and $\otimes$ buttons for 1 second.

Filter (12 months)

The filter LED lights up when it's time to replace the filter*. This happens when the unit has run for an equivalent of 12 months of non-interrupted air exchange or air recirculation. To reset the counter and turn the LED off, simultaneously press both $\odot$ and $\otimes$ buttons for 5 seconds.

* Refer to the user's manual of your air exchanger for filter maintenance.

❽ Specifications

Power supply: from unit
Temperature display resolution: 1°C (1°F)
Operating temperature: 0°C to 50°C (32°F to 122°F)
Shipping temperature: -40°C to 55°C (-40°F to 130°F)
Humidity rating: 5% to 90%, non-condensing at 35°C (95°F)

Configuration Table

Menu number	Parameter	Options	Default setting	Description
1	Temperature format	°C / °F	°C	Selects between °C and °F display.
2	Auto mode operation	RE / OF	RE	Selects between air recirculation (RE) and Off (OF) (see section 4.5).
3	Auto mode low temperature limit	-30°C to 0°C (-22°F to 32°F)	-25°C (-13°F)	Prevents air exchange in Auto mode if the outdoor temperature is too low (see section 4.5).
4	Auto mode high temperature limit	0°C to 30°C (32°F to 86°F)	27°C (81°F)	Prevents air exchange in Auto mode if the outdoor temperature is too high (see section 4.5).
5	Backlight mode	AU / ON	AU	AU: The screen illuminates for 12 seconds when any key is pressed. ON: The screen is permanently illuminated.