

MAIN AND AUXILIARY WALL CONTROLS

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1. GENERAL INFORMATION

Although all main controls have their own characteristics, they share some common modes, such as ventilation in low speed, ventilation in high speed, etc. Following are what we suggest regarding the use of operating modes of you main wall control:

Low speed ventilation: For normal daily operation.

High speed ventilation:	Use occasionaly, when excess pollutants and humidity are produced (parties, odors, smoke, etc.) $% \left(\left(\frac{1}{2}\right) \right) =\left(\left(\left(\frac{1}{2}\right) \right) \right) \right) =\left(\left(\left(\left(\left(\left(\frac{1}{2}\right) \right) \right) \right) \right) \right) \right) =\left(\left(\left$
Recirculation:	Select this mode when you deem the inside air is too dry in heating season, or too humid during cooling season. In this mode, the unit stops exchanging with the outdoors and recirculates indoor air.
Intermittent: (also called 20 min/h)	Select this mode when you are away for a few days, or when you deem the indoor air is too dry in heating season, or too humid during cooling season. In this mode, the unit is OFF for 40 minutes per hour and ventilates at minimum speed the remaining 20 minutes of the hour.
Dehumidistat	An air exchanger is not a dehumidifier, neither a humidifier, but it can exhaust excess humidity produced by human activities such as showers, cooking, parties, etc. During the heating season, air from outdoors is drier than indoor air; when enabling the dehumidistat, if the relative humidity (RH) in the house exceeds the RH setting chosen, the ventilation unit will exchange in high speed until the target indoor RH setting is reached. Select a target RH between 30% and 55%. When outdoor relative humidity is high (e.g. in summer), turn off the dehumidistat.

2. MAIN CONTROLS

2.1 ALTITUDE/PLATINUM



WALL CONTROL KEYS AND INDICATORS

MODE/PREF KEY



Press this key to select whether Ventilation mode (air exchange with the outdoors), Recirculation mode (air recirculation within the house) or Program mode (the operation of the ventilation unit is customized by the user. Refer to How to SET PERIODS FOR PROGRAM MODE section).



Press and hold this key for 3 seconds to access Preference setting menu.

ARROW KEYS



- Use the arrow keys to:
- Select ventilation and recirculation speeds.
- Review the programmed periods.
- Select Preference and Program values.

8 SEC.



Press on Up arrow key for 8 seconds to display interior relative humidity level (in percentage).

Set key



Press and hold this key for 3 seconds to access setting periods for Program Mode.

Press this key to confirm the chosen option and go to the following setting.

SMART KEY

Press this key to enable and disable the SMART mode.



The SMART mode uses indoor relative humidity level, outdoor temperature, and minimum and maximum outdoor temperature chosen values to manage the air exchange with the outdoors, in order to enhance comfort in the house.

Power Indicator



This indicator illuminates when the control powered on.

2.1 ALTITUDE/PLATINUM (CONT'D)

WALL CONTROL KEYS AND INDICATORS (CONT'D)

FILTER MAINTENANCE INDICATOR

This indicator illuminates when it is time to perform the ventilation unit filter maintenance (refer to the ventilation unit user guide).

FILTER

Once the filter maintenance is done, reset the filter maintenance indicator as follow:



Press simultaneously on both MODE/PREF key and SET key for 5 seconds to turn off the filter maintenance indicator light.

How to set Preferences

In order to benefit from all of the features of your wall control, the preferences must be set. Table below shows all available settings.

Setting	Available Values	DEFAULT OPTION		
CURRENT DAY	Mon/Tue/Wed/Thu/Fri/Sat/Sun	Мол		
HOUR DISPLAY	12:00 AM OR 24:00	12:00 AM PM		
CURRENT HOUR	From 0 to 12 or 24	12		
CURRENT MINUTE	From 00 то 59	00		
TEMPERATURE UNIT	°C or °F	°C		
Inside Temperature display	ON or OFF	ON		
MINIMUM OUTDOOR TEMPERATURE FOR AIR EXCHANGE ¹	-40°С то 0°С ок -40°F то 32°F	-25°C or -13°F		
Maximum Outdoor Temperature for Air Exchange ¹	1°С то 40°С ок 33°F то 104°F	27°C _{OR} 81°F		
¹ IN PROG OR SMART MODE, THESE LIMIT VALUES ALLOW TO STOP AIR EXCHANGE WITH THE OUTDOORS FOR BETTER COMFORT IN THE HOUSE.				
BACKLIGHT COLOR	BLUE OR GREEN	BLUE		
BACKLIGHT DISPLAY ²	AUTO or ON	AUTO		
² AUTO: Backlight activated 10 seconds when any key is pressed. ON: Backlight always ON.				
OFF mode for Intermittent mode ³	VENTILATION/LOW SPEED RECIRC., VENTILATION/HIGH SPEED RECIRC., OR VENTILATION/OFF	VENTILATION/OFF		
³ AFTER A VENTILATION PERIOD, DETERMINES THE SECOND PART OF THE CYCLE (OFF, RECIRCULATION ON LOW SPEED OR RECIRCULATION ON HIGH SPEED). NOTE: RECIRCULATION ON LOW SPEED IS NOT AVAILABLE TO SOME EARLIER VENTILATION UNIT MODELS. REFER TO COMPABILITY CHART INCLUDED WITH WALL CONTROL.				

2.1 ALTITUDE/PLATINUM (CONT'D)

SETTING PREFERENCES PROCEDURE

NOTE: While setting Preferences, the corresponding setting value flashes (e.g.: while setting current hour, hour is flashing).



NOTE: You can exit Preferences setting by pressing on MODE/PREF for 3 seconds any time in the process, or wait 60 seconds. The modified values will be kept in memory.

Power Failure

After a power failure a booting sequence will occur, then the wall control returns to its original settings. However, if the power failure duration is more than 4 hours, the wall control looses only its day and time settings memory (these must be reprogrammed). The rest of the preferences and settings is kept in permanent memory.

2.1 ALTITUDE/PLATINUM (CONT'D)

HOW TO SET PERIODS FOR PROGRAM MODE

The Program Mode allows the user to customize the operation of his/her ventilation unit, for week and weekend days. All days are divided in 4 periods. The periods starting hour and ventilation speed are factory set (see below).

DAILY PERIODS DEFAULT SETTINGS				
PERIOD	STARTING HOUR	Mode		
PERIOD 1 (MORNING)	6:00 AM	MIN		
PERIOD 2 (DAY)	9:00 AM	20 міл/н		
PERIOD 3 (EVENING)	5:00 рм	MIN		
PERIOD 4 (NIGHT)	11:00 рм	20 міл/н		

To change these values:



PROG (for Program) will appear on screen and week

NOTE: If the week days were the first to be set, the weekend days will appear on screen; but if the weekend days were the first to be set, then the week days will appear on screen.

Use the arrow keys to select between week days or

Press SET key to confirm the choice and go to setting

Period 1 will appear on screen and hour display will flash.

Use the arrow keys to select the period starting hour. NOTE: Time changes by 15-minute increments.

2.1 ALTITUDE/PLATINUM (CONT'D)

How to set Periods for Program Mode (cont'd)





Weekend days and period 1 will appear on screen and hour will flash.

Set weekend days periods as for week days.

TO EXIT SETTING PERIODS



Press SET key for 3 seconds.

ALTITUDE AND PLATINUM RESET PROCEDURE

The wall control must be reset if it was previously connected

to another ventilation unit. To perform the reset:

- Press simultaneously on both arrow keys for 8 seconds.
- **2** Unplug the ventilation unit for **30 seconds**.
- Plug back the ventilation unit in power source.



2.2 X-TOUCH/GOLD-TOUCH



* STANDBY mode is the factory set default mode. When the unit is on standby mode, it will only respond to override wall control (if present). Only the house icon appears on LCD screen. On other operation modes, the house icon is still there, and the label mode in which the unit operates appears at right of LCD screen.

PROTECTION MODE INDICATOR



INDICATORS

This icon appears to show when the ventilation unit is in Protection Mode. This special mode has been created to protect the ventilation unit from specific conditions (e.g.: outdoor temperature colder than -25°C). There is no action to be taken when this icon appears, it will disappear by itself.

AUXILIARY CONTROL IN USE INDICATOR



When a 20/40/60 minute auxiliary control is activated, its operation overrides the X-Touch control operation and a chronometer icon is displayed. This icon disappears when the 20/40/60 minutes auxiliary control cycle is done.

MAINTENANCE INDICATOR



This icon flashes when it is time to peform the ventilation unit maintenance. Refer to the ventilation unit user guide.



Once the unit maintenance is done, press simultaneously on both MODE and TURBO keys to reset the maintenance indicator. This will erase the icon from the screen.

2.2 X-TOUCH/GOLD-TOUCH (CONT'D)

OPERATING MODES



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.



20min/h

RECIRC

Air is recirculated inside the house on high speed.

20 міл/н

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.

2.2 X-TOUCH/GOLD-TOUCH

OPERATING MODES (CONT'D)

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 (see below).



NOTE: The **ECO mode** set the unit operation to STANDBY for 50 minutes (or in RECIRC mode for 50 minutes; see settings section) and then exchange air during 10 minutes on low speed. This mode is exclusively activated by SMART mode.

The chart below shows the operating modes called by SMART mode, according to the indoor humidity percentage and the outdoor temperature.



* THIS AREA REPRESENTS STANBY MODE.

2.2 X-TOUCH/GOLD-TOUCH (CONT'D)

FUNCTIONS

TURBO FUNCTION



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.

The TURBO icon is flashing during the 4-hour cycle. To exit this function before the end of its 4-hour cycle, press on TURBO or MODE key; the unit will get back to its previous operation mode.



Press and hold the TURBO function key during 3 seconds to turn the unit on air exchange in high speed continuously.

The TURBO icon appears and stay continuously. To exit this TURBO mode, press on TURBO or MODE key; the unit will get back to its previous operation mode.

DEHUMIDISTAT FUNCTION



The dehumidistat function has been created to manage the indoor relative humidity excess. When the actual home Relative Humidity percentage (RH %) detected is over the set value, drops appears on screen and the control overrides the current mode, turning on the unit on high speed exhange until the indoor relative humdity % set is reached. The unit then returns to its previous operation setting. Refer below to find out how to set the indoor relative humidity %.

How to enable and disable the dehumidistat function:



2.2 X-TOUCH/GOLD-TOUCH (CONT'D)

SETTINGS

How to set the INDOOR RELATIVE HUMIDITY (RH %) LEVEL



How to set the unit operation in the remaining 40 minutes on 20 min/h mode and how to set the unit defrost cycle type

Press and hold the MODE key MODE **3 sec.**

OR

The LCD screen will show one of these configurations:





OR

The small triangle and two lines flash to show STANDBY (default configuration setting).

Recirculation arrows turn while the small triangle, rE and CONT label flash to show RECIRCULATION on low speed.



Recirculation arrows turn while the small triangle, rE and TURBO label flash to show RECIRCULATION on high speed.





Press % HUM key fo accept chosen configuration and go to setting defrost cycle type.

version number.

2.2 X-TOUCH/GOLD-TOUCH (CONT'D)

SETTINGS (CONT'D)

How to set the unit operation in the remaining 40 minutes on 20 min/h mode and how to set the unit defrost cycle type (cont'd)



2.3 DECO-TOUCH



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 Δ

OR

OR



If the backlight is not illuminated, the first UP or DOWN arrow button pressed will turn on the backlight. The backlight remains illuminated for 10 seconds after the last button is pressed (no matter the button).

OK BUTTON

 $\ensuremath{\mathsf{Press}}$ on OK button to enable or disable the dehumidistat override and to confirm settings.

OPERATING MODES

To change the operation mode of the ventilation unit, press the UP or DOWN arrow button. Operating mode label will then scroll up or down on LCD screen.

OFF

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



RECIRC

NOTE: Recirculation is not available on some ventilation unit models (refer to compability chart included with Deco-Touch wall control).

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., see page 11) and then exchange air during 20 min. on low speed. Repeat cycle after the 20 min. of air exchange.

* Recirculation is not available on some ventilation unit models (refer to compability chart included with Deco-Touch wall control).

MIN



Air is exchanged with the outdoors on low speed.

Air is recirculated inside the house.



MAX

Air is exchanged with the outdoors on high speed.

2.3 DECO-TOUCH (CONT'D)

DEHUMIDISTAT OVERRIDE SELECTION



To engage the humidity override, press OK. The actual indoor RH and the %HUM label appear on LCD screen.

NOTE: If the actual RH is less than 20%, then the humidity indicator will display "LO," and if the actual RH is greater than 80%, then the humidity indicator will display "HI".



When the dehumidistat override is activated, the AUTO indicator will appear on LCD screen to show that the actual mode is being overridden. Also, the relative humidity appears (if it was not shown, see example at left). Once the target humidity level is reached, the unit goes back into its original operating mode and AUTO disappears from LCD screen.

NOTE: If the actual mode is MAX, only the relative humidity level appears on screen, AUTO label will not appear.



To turn off the dehumidistat override, press OK again. The RH and $\% \rm HUM$ display will disappear from LCD screen.

Power Failure

After a power failure, the wall control returns to its original operation mode. All settings are kept in memory.

MAINTENANCE INDICATOR

The maintenance indicator is represented by an M in a rounded triangle, at the top of the house (see at right). If this indicator is flashing, perform the regular maintenance, and if it is not flashing, perform the annual maintenance (refer to the ventilation unit user guide).

Resetting Maintenance Indicator: Press simultaneously on both arrow buttons, maintenance indicator will disappear from LCD screen.

DECO-TOUCH RESET PROCEDURE

The wall control must be reset if it was previously connected to another ventilation unit. To perform the reset:

• Press simultaneously on DOWN arrow and OK buttons for 8 seconds.

2 Unplug the ventilation unit for **30 seconds**.

• Plug back the ventilation unit in power source.





2.3 DECO-TOUCH (CONT'D)

How to set the relative humidity (RH) level and choose between OFF in standby OR RECIRCULATION IN STANDBY

Setting the relative humidity level allows to select the maximum desired indoor humidity level (in percentage). This value will be used to start the dehumidistat override (air exchange in high speed).



2.3 DECO-TOUCH (CONT'D)

How to set the relative humidity (RH) level and choose between OFF in standby or RECIRCULATION in standby (cont'd)



¹**OFF** IN STANDBY:

On 20 min/h mode, the ventilation unit is OFF during 40 minutes and exchanges air with the outdoors on low speed during the remaining 20 minutes of the hour; this is the default value.

²**RECIRCULATION** IN STANDBY:

On 20 min/h mode, the ventilation unit recirculates the indoor air for 40 minutes, on low speed or high speed, according to the setting made. During the remaining 20 minutes of the hour, the unit exchanges air with the outdoors on low speed.

NOTE: Recirculation in low speed is not available to all units. Refer to compability chart included with Deco-Touch wall control.

2.4 SIMPLE-TOUCH





Push on the push button; the color of the indicator shows the unit operating mode.

GREEN: Recirculation

YELLOW: Minimum speed ventilation RED: High speed ventilation NO LIGHT: Unit is OFF

After a power failure, the Simple-Touch wall control will be OFF.

2.5 LITE-TOUCH





Push on the push button; the color of the indicator shows the unit operating mode.

GREEN: Intermittent YELLOW: Minimum speed ventilation RED: High speed ventilation NO LIGHT: Unit is OFF

After a power failure, the Lite-Touch wall control will be OFF.

2.6 CONSTRUCTO AND BRONZE





OFF MIN MAX

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ADJUSTING AIR SUPPLY CONTROL

Use the slide switch to control air supply.











Unit is OFF.

Minimum speed ventilation (except if knob is set below the click, see NOTE below). Maximum speed ventilation.

NOTE: When "MIN" (minimum speed) is selected, if the knob is set below the click, the unit will exchange on high speed with the outdoors until the desired humidity level has been reached.

Adjusting DEHUMIDISTAT

Rotate knob to adjust humidity control.



- Determine the humidity level in your house (bring the knob counterclockwise to its maximum position, then bring it back clockwise slowly until you hear a "click").
- 2) Set the knob to one line under this temperature level or "click".

CAUTION

Do not select a temperature below -20°C (-4°F). This could lead to excessive dryness in the air causing discomfort for the occupants.

It is possible (and normal) to experience condensation on your windows when drastic changes in temperature happen (for example: $-5^{\circ}C$ [23°F] to $-20^{\circ}C$ [$-4^{\circ}F$]). In that case, we suggest to wait a few days to allow the situation to stabilize.

3. AUXILIARY CONTROLS

3.1 20/40/60 MINUTE PUSH BUTTON



- MODE
- Within 2 seconds, push one time for 20 minutes, two times for 40 minutes, or three times for 60 minutes air exchange on high speed. Indicator then lights up.
- Every 5 seconds, the indicator light flashes one time to indicate a 20-minute selection, two times for a 40-minute and three times for a 60-minute selection.
- To stop activation, push one more time. Unit then returns to its to previous setting.

After a power failure, the 20/40/60 minute push-button settings will be erased.

3.2 20-MINUTE LIGHTED PUSH BUTTON





- Press once to activate air exchange on high speed for 20 minutes; the indicator will light up.
- NOTE: When this control is connected to some specific ventilation unit models, its indicator may be flashing instead of being lit on permanently during the 20-minute cycle; this situation is normal.
- To stop activation before the end of the 20-minute cycle, push one more time. Unit then returns to its to previous setting.

After a power failure, the 20-minute cycle will be erased.

3. AUXILIARY CONTROLS (CONT'D)

3.3 DEHUMIDISTAT





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Rotate knob to the desired maximum indoor humidity level.

CAUTION

Do not select a humidity level below 30%. This could lead to excessive dryness in the air causing discomfort for the occupants.

3. AUXILIARY CONTROLS (CONT'D)

3.4 60-MINUTE MECHANICAL TIMER



This control activates air exchange on high speed for periods varying from 10 to 60 minutes.

4. TROUBLESHOOTING

If the unit does not work properly, reset the unit by unplugging it for one minute and then replug it. If it still not working properly, refer to table below.

CAUTION

If the ventilation unit is equipped with an integrated control, turn off this control and wait until its LED is turned off before using a main wall control.

PROBLEM	You should try this
 The error code E1 is displayed on Altitude, Platinum or Deco-Touch wall control screen. 	 Check the compatibility with the ventilation unit (refer to chart included with the control). Ensure that the color coded wires have been connected to their appropriate place. Inspect every wire and replace any that are damaged. Ensure the wires are correctly connected.
2. The error code E3 is displayed on Altitude, Platinum or Deco-Touch wall control screen.	Reset the wall control (see Wall Control Reset Procedure below).
3. The error code E4 is displayed on Altitude or Platinum wall control screen.	Reset the wall control (see Wall Control Reset Procedure on next page).
 The error code E7 is displayed on Deco-Touch wall control screen. 	 Power supply problem between the unit and the wall control. May be caused by wall control cable excess length. Contact your installer.
 There is no outdoor temperature displayed on Altitude or Platinum wall control screen (only a line appears — —). 	NOTE: At its very start-up or after a power failure, it takes some minutes before the outdoor temperature appears on screen. The delay duration depends on which operation mode the wall control is set. The shortest delay is obtained when the wall control is set on MIN or MAX in VENT mode.
6. There is no outdoor temperature displayed on Altitude or Platinum wall control screen (no line).	• The outdoor temperature is not shown when the ventilation unit is in recirculation mode, this is normal.
7. An error code starting with E0 (E01, E02, etc.) is displayed on X-Touch or Gold-Touch wall control screen).	 Ensure that the color coded wires have been connected to their appropriate place. Ensure that the wires are correctly connected. Press and hold simultaneously for 10 seconds on % HUM, MODE and TURBO keys to reset the wall control. The user preferences will have to be reset
8. An error code starting with E2 (E21, E22, etc.) is displayed on X-Touch or Gold-Touch wall control screen).	Problem with the ventilation unit. Contact your installator.
 A 10-second countdown is displayed on X-Touch or Gold-Touch wall control screen. 	 Wait until the end of the countdown, without pressing any key.

Plug back the ventilation unit in power source.

• Press and hold simultaneously on both arrow keys for

X-TOUCH AND GOLD-TOUCH RESET PROCEDURE

O Unplug the ventilation unit for 30 seconds.

The wall control must be reset if it was previously connected to another ventilation unit. To perform the reset:

The wall control must be reset if it was previously connected to another ventilation unit. To

Press and hold simultaneously for 10 seconds on % HUM, MODE and TURBO keys.

NOTE: The user preferences will have to be reset.

DECO-TOUCH RESET PROCEDURE

The wall control must be reset if it was previously connected to another ventilation unit. To perform the reset:

- Press simultaneously on DOWN arrow and OK buttons for 8 seconds.
- O Unplug the ventilation unit for 30 seconds.
- **6** Plug back the ventilation unit in power source.

If the problem is not solved by the above, contact your installer.

4. TROUBLESHOOTING (CONT'D)

ALTITUDE AND PLATINUM RESET PROCEDURE

perform the reset:

8 seconds.

BOTH DURING 8 SEC.





AND

TURBO