

# Commissioning

## DucoBox Reno UK / IE

L2004980-A 05.12.2024

### 1. Factory settings and adjustments

The DucoBox Reno UK / IE has 4 modes and a capacity of 325 m<sup>3</sup>/h. By default, these are set as follows:

- **Trickle rate (= mode 1):** 50 %
- **Boost rate (= mode 2):** 60 %
- **Purge rate (= mode 3):** 70 %
- **Auto mode:** automatically adjusts between trickle and boost based on humidity and CO<sub>2</sub> levels.

#### Important notes:

- When adjusting the trickle rate, the boost and purge rates will automatically stay 10 % and 20 %, respectively, above the trickle rate.
- The boost rate can be set lower until it is equal to the trickle rate.
- The purge rate can be set lower until it is equal to the boost rate.

### 2. Adjusting airflow rates on the unit

#### Adjusting trickle rate (mode 1):

1. Long press the 'DOWN' (▼) button to enter the trickle rate setting.
2. Count the number of LED blinks next to the 'INST' button to determine the ventilation rate (e.g. 5 blinks = 50 %, 6 blinks = 60 %, etc. ...)
3. Change the ventilation rate (each push equals a 10 % change, represented by 1 LED blink):
  - increase the percentage by pressing the 'UP' (▲) button,
  - decrease the percentage by pressing the 'DOWN' (▼), button.
4. Confirm the airflow rate by pressing the 'ENTER/INST' (■) button.

#### Adjusting boost rate (mode 2):

1. Long press the 'UP' (▲) button to enter the boost rate setting.
2. Repeat the steps 2 to 4 as described under the trickle rate.

#### Optional adjustment: purge rate (mode 3):

1. Simultaneously long press the 'UP' (▲) and 'DOWN' (▼) button to enter the purge rate setting.
2. Repeat the steps 2 to 4 as described under the trickle rate.




### 3. Adjusting airflow rates via the user controller

#### Adjusting the trickle, boost or purge rate:

Long press the button to select the desired airflow rate:

- Trickle rate = 'DOWN' (▼)
- Boost rate = 'UP' (▲)
- Purge rate = 'UP' (▲) and 'DOWN' (▼).

#### Measuring and adjusting airflow:

1. Measure the ventilation rate in a room using an airflow meter.
2. Adjust the airflow using the user controller:
  - One push  = 10 % less extraction.
  - One push  = 10 % more extraction.
3. Long press  to confirm the airflow rate.

### 4. Using a Humidity Box Sensor

#### When desired, you can change the Relative Humidity Threshold:

1. Make sure the LED near the 'INST' button doesn't blink.
2. Simultaneously long press the buttons 'UP' (▲), 'DOWN' (▼), and 'INST' (■) until the LED near the 'INST' button flashes blue several times.
3. By default, the LED flashes 6 times, corresponding to a threshold value of 60 % relative humidity.
4. You can change the threshold (each push equals a 10 % change):
  - increase the threshold value by pressing the 'UP' (▲) button (up to a maximum of 90 %),
  - decrease the threshold value by pressing the 'DOWN' (▼) button (to a minimum of 30 %).
5. Confirm the change with 'ENTER/INST' (■).

### 5. Pairing components

1. Activate 'Installer mode' by pressing 'INST' (■) on the DucoBox. The LED will flash green rapidly.
2. Add control components by pressing once on the component to be paired. The LED will flash red briefly and then start to flash green rapidly.
3. Once all components have been paired, 'Installer mode' can be deactivated by pressing 'INST' (■) on the DucoBox. The LEDs on all components will stop flashing.

### 6. Factory Reset

1. Make sure the LED near the 'INST' button doesn't blink.
2. Activate the 'Adjustment mode' by long pressing the buttons 'UP' (▲) and 'DOWN' (▼), until the LED near the 'INST' button flashes yellow.
3. Then simultaneously press the buttons 'UP' (▲), 'DOWN' (▼), and 'INST' (■).

The factory reset is completed when the LED lights up blue.

For further assistance, please refer to the detailed installation manual or watch the installation video from the DucoBox Reno UK / IE on Youtube.