RF 3-position switch

Description

The Vasco ventilation unit comes with an RF 3-position switch as standard (except for the D150 Compact and Energy Plus, which are not compatible). Additional RF switches can be linked after the ventilation unit is started up. The ventilation unit will only respond to a paired RF switch.

- **Operating possibilities:**
    - Speed 1-2-3
    - Timer
    - Reset dirty filter alarm
    - Setting maximum air flow rate
- **Status LED:**
    - Lights up after operation
    - Feedback communication/status ventilation unit
- **Combination options:**
    - Up to 3 ventilation units on one or more controls
    - Up to 20 RF switches (3 modes/CO2/RH (humidity)) with 1 ventilation unit
- **Communication:** wireless RF communication with ventilation unit
    (Radio frequency signal : 868.3 MHz)
- **Power supply: battery powered (3V Lithium CR2450N)**
    - Expected battery life: 10 years
- **Operating temperature:** 0 - 40°C
- **Dimenstions (lxwxh):** 80×14×80 mm
- **Housing:** plastic
- **Mounting:** surface-mounted wall mounting (screw or adhesive mounting)

LED

Technical data

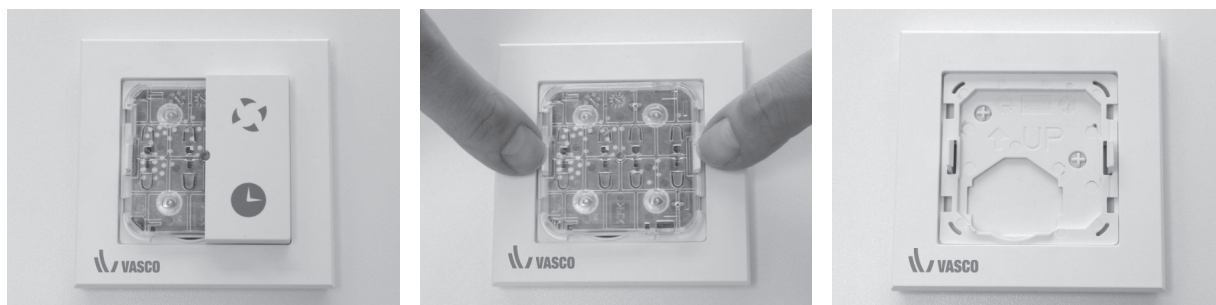| Symbol	Function	Description
	Speed 1	Ventilate at 25% of maximum set air flow rate. During setting of flow rate: reduce the flow rate.
	Speed 2	Ventilate at 50% of the maximum set air flow rate. During setting of flow rate: increase the flow rate.
	Speed 3	Ventilate at 100% of maximum set air flow rate.
	Timer	The ventilation unit will ventilate at ventilation **speed 3** for **30 minutes**. After this time has elapsed, the ventilation unit will return to its previous setting.
3 se	**Auto position** (speed 1 pressed)	Press and hold **speed 1** button for **3 seconds** to activate the unit. Automatic mode must be activated when controlled via a 1-10V signal, except for the 225 Compact and Boost units, for which this is not required.
4 sec.	**Reset filter notification**	Reset the dirty filter alarm by pressing the 'speed 1' and 'timer' buttons simultaneously for at least **4 seconds**, until the LED lights up green.
3 sec.	**Linking**	Unplug the ventilation unit and reinsert it. The ventilation unit will then search for new switches for 10 minutes. Press the 'speed 2' and 'timer' buttons simultaneously for at least **3 seconds**. If the pairing action is successful, the LED in the centre lights up green twice.
3 sec.	**Unlinking**	Press the 'speed 1' and 'speed 3' buttons simultaneously for at least **3 seconds**. This de-registers all registered ventilation units. The switch's LED lights orange twice to indicate that the units have been disconnected.
3 se	**Flow rate adjustment**	Unplug the ventilation unit and reinsert it. Then press the **speed 3** button for at least **3 seconds**. Release as soon as the LED in the centre of the switch gives a series of light signals indicating the set air volume. By default, the LED lights up orange once. Confirm the set air volume by pressing the ventilation position 3 button again for at least 3 seconds.

Fault codes + LED feedback

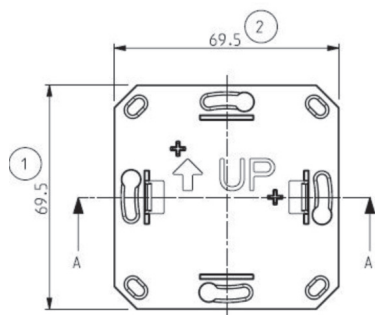| LED-feedback	Description
Green	The requested communication is correctly communicated
Red	Problem with the communication
2x red	Problem with the ventilation unit
2x green	Successful connecting of the RF switch
Orange	Service life of the RF switch battery has been reached
2x orange (after operation)	Dirty filter alert
2x orange (after disconnection process)	Successful disconnection of the RF switch
3x orange	Access to flow settings refused

Installation

Installation tips: always place the selector out of reach of areas where water droplets may form. Never place the wall-mounted transmitter in a metal box or near large metal objects.

Always install the 3-position RF selector switch in an easily accessible location.

Step 1: Detach the buttons and the electronic module to free the base plate for wall mounting.
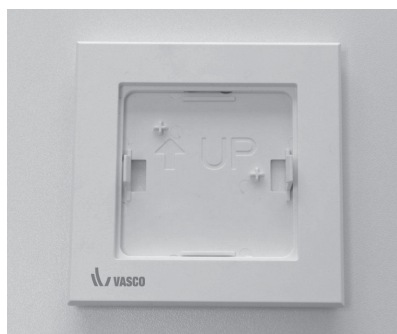

Step 2: Mark the screw holes for the base plate on the wall.

Step 3: Secure the base plate to the wall using screws.

Step 4: Proceed with assembly in the following order:

A. Design frame

B. Wal frame

C. Electronics and buttons