

Switch Sensor

L2001641-F 14.02.2024

Stick the
CE label here

The Switch Sensor can perform either or both of the following functions:

Switch detection

The Switch Sensor is a sensor that detects when a connected dry contact (e.g. double-pole switch or relay) closes. The Duco ventilation system with which the Switch Sensor is paired can – depending on the mode that has been set – perform one of the following actions when the contact closes:

- **Toilet detection (standard):** on closing the dry contact (e.g. light switch) the system will start ventilating in the zone in which the Switch Sensor is located. Depending on the duration of the dry contact closure, the system will carry on ventilating for a while.
- **Overrule setting:** the ventilation system will ventilate at a predetermined setting for as long as the contact is closed.
- **Heat pump:** the ventilation system will maintain a minimum flow rate if the Switch Sensor detects that the heat pump is active, such that the heat pump is always supplied with sufficient ventilation air for optimum efficiency.

These settings can be adjusted via the display menu on the DucoBox (if present) or IQ unit, the Duco Installation App or Duco Network Tool.







Repeater


Like any Duco RF component, the Switch Sensor can amplify the signal from other components in the event of RF communication problems. This happens automatically. Please refer to the **'RF communication'** information sheet on the website for further information.

Pairing

Please refer to the manual for the master (DucoBox, IQ unit, etc.) to which the Switch Sensor is to be connected.

LED indications

	<p>RED (blinking slowly) Not in network</p> <p>RED (blinking rapidly) Logging in</p>
	<p>GREEN (blinking slowly) In network</p>
	<p>YELLOW (blinking slowly) Transitional phase (please wait)</p>
	<p>WHITE Dry contact is closed</p>
	<p>OFF Dry contact is open</p>
	<p>BLUE Component is displayed if changes are being put through via the master.</p>



Keep this manual and packaging carefully as long as the product is in use!

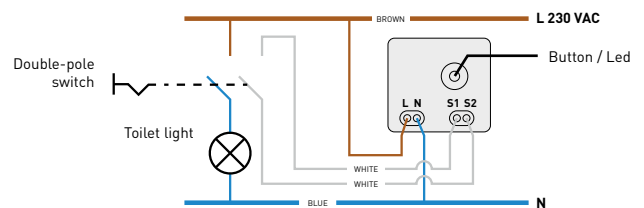
Wiring

Allow sufficient depth for fitting the Switch Sensor. (socket box at least 60 mm deep)

If you do not have sufficient knowledge and experience of electrical connections, we would advise you not to proceed any further and to ask an electrician to do the installation for you. Otherwise you run the risk of injury or electrocution. Take care to ensure that the power is off while connecting. The switch sensor must be fused with max. 16A.

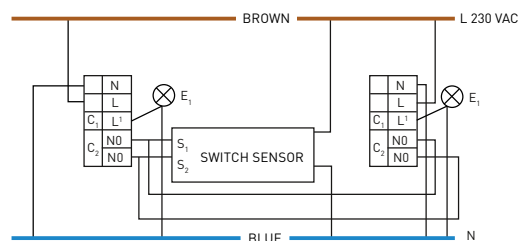
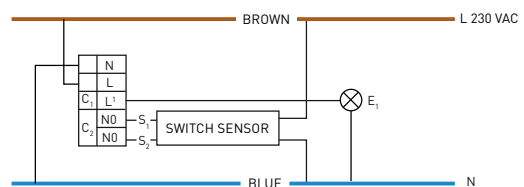
No voltage should ever be applied to S1 / S2! Sending 230 VAC to S1 / S2 may damage the switch sensor and render it unusable! To enable both light and ventilation to be controlled, two independent switching contacts / poles are needed. Please therefore use a **double-pole switch or relay**, for example.

S1 and S2 must not be connected if the Switch Sensor is only used as a repeater.



Possible options with light operated by presence sensor:

- Minimum requirement for controlling Switch Sensor: 1 volt-free Normally Open (NO) contact / volt-free device control (= C2 on drawing below)
- Switching power: closing contact 3 A, 230 V, cos ϕ = 1
- Timed settings: 5 - 120 min



Original instructions For information regarding warranty, maintenance, technical data, etc., see www.duco.eu. Installation, connection, maintenance and repairs are to be carried out by an accredited installer. The electronic components of this product may be live. Avoid contact with water.

