



## INSTALLATION MANUAL


### APPLICATION

The optional Duco Connectivity Board can be applied to the DucoBox Silent Connect, DucoBox Focus and DucoBox Energy. This PCB enables interfacing towards home automation and building management systems via REST API (locally or via the cloud) or ModBus TCP (locally). Both are possible via Ethernet or Wi-Fi. The Duco Connectivity Board also enables the Duco Installation App to be used.

### MOUNTING


**1**

Isolate the DucoBox.



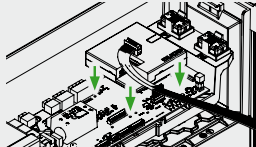
**2a**

Click the Duco Connectivity Board into the provided place.




**2b**

Only for DucoBox Energy Sky: Connect the cable.






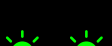



**3**

Power the DucoBox.



### LED INDICATIONS

	<b>RED (flashing)</b> Not connected
	<b>ORANGE (flashing)</b> Transitional phase (please wait)
	<b>YELLOW (lit)</b> Local point-to-point Wi-Fi active
	<b>YELLOW (lit)</b> Connected to local point-to-point Wi-Fi
	<b>GREEN (flashing)</b> Connected to the resident's network (via Ethernet or Wi-Fi)
	<b>GREEN (flashing)</b> Connected to the resident's network (via Ethernet or Wi-Fi) + Cloud connection activated
	<b>PURPLE (flashing)</b> Software update (please wait)

### CONNECTION TO THE NETWORK

Connect the Duco Connectivity Board to the local network (of the resident) to link the DucoBox to a home automation or building management system via REST API. Connection on the local network is possible via Ethernet or Wi-Fi. If an Ethernet cable is connected, it is always given priority.

#### Ethernet

Connect the Duco Connectivity Board to the network router with an Ethernet cable.  
The LED on the Duco Connectivity Board flashes green when it is connected to the Wi-Fi network.

#### Wi-Fi

- 1** Activate the local point-to-point Wi-Fi by pressing the 'INST' button on the Duco Connectivity Board or via the DucoBox Energy's display menu, the LED will flash yellow and then light up.
- 2** The SSID and password of the DucoBox can be found on the QR code sticker.  
If there is no SSID and password on the QR code, you can connect to the "DUCO" network; the password is 12345678.
- 3** Go to your PC settings: activate the Wi-Fi, select the network name (SSID) and enter the password. The 2 yellow LEDs light up when you are connected to the network.
- 4** Using the same device, surf to <http://192.168.4.1/networkconfig.html> (recommended for an enhanced experience) or <https://192.168.4.1/networkconfig.html>

**!** If you receive a message that the connection is not private, press advanced and then you can proceed to 192.168.4.1

Press 'Scan Wi-Fi' at the bottom of the page  
Under 'Wi-Fi Config' (see example below), select the resident's Wi-Fi network and confirm by clicking the green tick. Then enter the password and confirm again.

Wi-Fi Config		
Item	Value	Range
WifiClientSsid	<input type="text" value="e.g.: Telenet 12058"/>	✔ ✘
WifiClientKey	<input type="text" value="e.g.: Ae3Fg91!"/>	✔

\* Duco Connectivity Boards with a software version lower than 3.5.0 only function via a secure https connection.

- 5** Press 'stop access point' at the bottom of the page. The LED on the Duco Connectivity Board flashes green when it is connected to the Wi-Fi network.
- 6** If desired, you can access the DucoBox's local web page by surfing to the DucoBox's IP address (e.g. <https://192.168.68.120>). You can find the IP address via the DucoBox display, the Duco Installation App or the Duco Network Tool. An alternative method to find out the IP address is to use MDNS discovery apps such as 'Discovery App' for iOS or 'MDNS Discovery' for Android devices. In these apps, look for an HTTPS connection over SSL/TLS.

## SCOPE OF DELIVERY

Before starting to install the PCB, check to ensure it is complete and undamaged. The Duco Connectivity Board includes the following components:

- Duco Connectivity Board
- Installation manual

Keep the installation manual in a safe place and pass it on to anyone may use the unit after you. The manual for all products can always also be found on the DUCO website: [www.duco.eu](http://www.duco.eu)

## TRANSPORT AND PACKAGING

The necessary care must be exercised when transporting and unpacking the product. Avoid violent shocks during transport and handling. When unpacking the unit, check any loose parts and accessories for transport damage. Take care to ensure after unpacking that the packaging material is disposed of in an environmentally-friendly manner. Returning the packaging to the recycling loop saves raw materials and reduces the waste mountain.



## END OF SERVICE LIFE

Disposing of the unit: old electric and electronic equipment often contains valuable materials. However, it also contains harmful substances which are necessary for the operation and safety of the unit. Accordingly, never dispose of waste equipment with ordinary waste. Choose to have it disposed of in an environmentally-friendly manner.



## SERVICE

Please refer to the maintenance instructions at [www.duco.eu](http://www.duco.eu) and view the videos on [duco.tv](http://duco.tv) for more information.

### **For service problems as a user:**

Please contact your installer.

### **For service problems as an installer:**

Please contact your DUCO product retailer.

## WARRANTY

All warranty conditions concerning the DucoBox and DUCO's ventilation systems can be found on the DUCO website.

All complaints are to be reported to DUCO by the DUCO distributor with a clear description and the order/invoice number under which the products were delivered. In order to register the complaint, please use the complaint registration form found on the Duco website (mention the product's serial number) and send it to [service@duco.eu](mailto:service@duco.eu).

## LEGISLATION

The Duco Connectivity Board is an (optional) part of a DucoBox.

The EC Declaration of Agreement can be accessed and downloaded at [www.duco.eu](http://www.duco.eu).

**Simplified EU declaration of conformity** Hereby, DUCO Ventilation & Sun Control declares that the radio equipment type Switch Sensor is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [en.duco.eu/connectivity-board-2](http://en.duco.eu/connectivity-board-2)

### **Translation from Dutch of the original instructions**

For information regarding warranty, maintenance, technical data, etc., see [www.duco.eu](http://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.

