

## QUICK USER AND INSTALLATION MANUAL

### Wall Wired Controller – XCONT-TR-CENT-COMFORT

The Quick Guide guides you through the quick installation of the product, but in no way replaces the complete full manual. The complete operating instructions are available in the documents on our website [www.xvent.cz](http://www.xvent.cz) or you can download them via QR code.

**! The XCONT-TR-CENT-COMFORT, wall-mounted wired controller (hereinafter referred to as the controller) is not self-contained and cannot be operated independently. The controller is exclusively intended for use – connection to Xvent heat recovery units. According to the recommended accessories for each Xvent product**

**⚡ Check that there are no electrical or other wiring (e.g. gas, water, etc.) running at the installation of the controller on the wall in the interior that could be disturbed during installation.**

#### 1) Using the controller

- The controller is used to control products – Xvent heat recovery units. Suitability of using the controller according to the recommended accessories (price list) for each product
- The connection to the recuperation unit is provided by a 10m communication cable as standard, which is equipped with a connector at the free end for easy connection to the unit – included in the package.
- The controller is designed for wall mounting with installation on a concealed wiring box.
- The communication cable is led out from the back of the controller.
- The controller is designed for indoor, covered, and dry areas with a room temperature of +5 °C to +30 °C and a maximum relative humidity of 70% non-condensing.
- The maximum working altitude of the unit is 2000 m above sea level.

To read the QR code, use a smart device (mobile phone, tablet, etc.) that is equipped with this technology.



#### 2) Prohibited controller installation environments

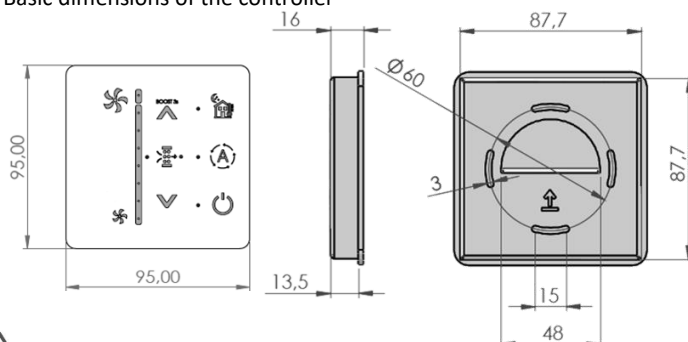
- ! - in an environment with an increased occurrence or risk of explosion, flammable substances and increased dustiness or other harmful impurities containing air, in an environment with a higher occurrence of condensing moisture, such as: bathrooms, swimming pools, saunas, etc.,**
- the controller must not be installed just below an electrical outlet or wiring box,
- Neither the manufacturer nor the supplier is liable for damage caused by improper use – by connecting the controller. The risk is borne by the user himself.

#### 3) Installing the controller on the wall

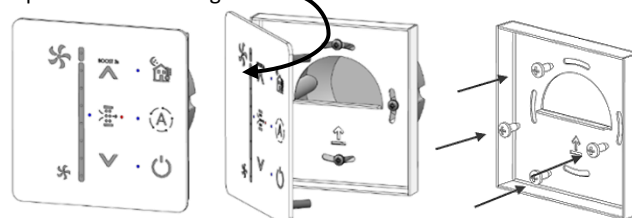
- The controller comes with a 10m long communication cable as standard. The free side of the cable is equipped with a non-removable RJ45 8/8 connector. The other side of the communication cable is plugged into the controller. The controller is designed to be installed on the wall
- ! - The RJ connector must be protected against damage throughout the assembly, both the unit and the controller. If it is necessary to pull the communication cable through the construction cavity (e.g.: protector), pay attention to increased protection of the RJ connector against damage, or disconnect the communication cable on the side of the controller – see chapter 4) Connecting the unit and the controller**
- 📖 - Preparations of communication peripherals can only be carried out by persons qualified for this activity with a valid authorization and knowledge of the relevant standards and directives in the given country.**
- ⚡ - Always turn off the unit with the power switch before connecting the controller to the unit. Never connect the controller while the unit is running.**
- The minimum installation distance of the controller from solid objects is 100 mm in all directions
- Minimum installation distance from flammable objects is 500mm in all directions

- Installation of the controller on the wall – standard length of the communication cable 10m

##### (a) Basic dimensions of the controller



**b) Open the controller box – the front of the box is connected to the back by magnets, use appropriate force to open it. Do not disconnect the cable from the controller, Screw the back part onto the wiring box with a suitable fastener.**



**⚡ Secure the cable route between the unit and the controller so that it is stable and cannot be accidentally damaged or disrupted by another source**

#### 4) Connecting the unit and the controller

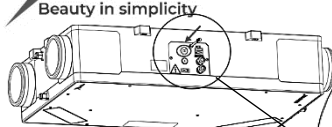
- To connect the controller communication cable to the unit, follow the instructions in the manual for each unit – see the chapter on connecting accessories. Before starting any work, turn off the unit by the main switch. **NEVER CONNECT THE CONTROLLER WHILE THE UNIT IS SWITCHED ON**

##### - Connecting the controller to the unit

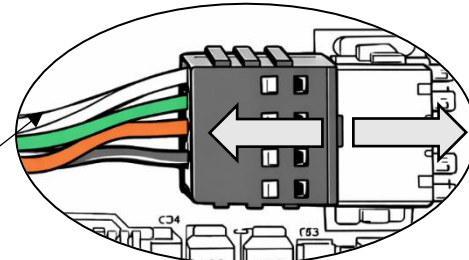
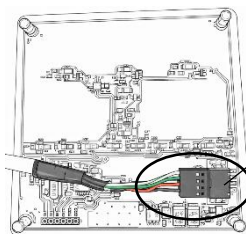
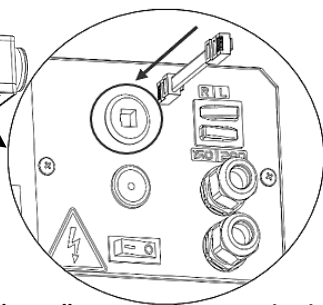
free end of the communication cable with the RJ connector (male), insert into the connector (female), which is located on the unit control board (the connector is equipped with a rubber cap)

##### - Disconnecting the communication cable from the controller

Open the controller Disconnect the connector by pulling it apart. Use reasonable force to avoid damaging the connector



Information on where the RJ connector is located on a specific unit can be found in the installation and use instructions of the unit

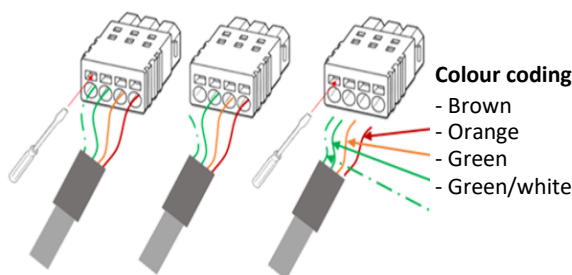


## 7) Controller description – display of indicated states

To install an external communication cable (the length of a standard cable is insufficient), provide a cable:

- o Suitable 8-core cable with a fixed type of conductor (wire) in the cross-section range of 0.14 to 0.5 mm<sup>2</sup>. We recommend using the UTP cable type.
- o The maximum length of communication cables between the unit and the controller is 50m.

Preparing the communication cable towards the controller



Preparation of the communication cable towards the unit – RJ connector



## 5) Commissioning the unit with the controller

After connecting the controller with the drive, follow these steps:

- a) turn on the unit's power switch
  - All LEDs on the controller flash 3 times
  - all status LEDs flash – loading up to 30sec
  - LEDs stop flashing – the unit is ready to be started using the controller
- b) hold down the 2nd time ON/OFF button for approx. 3sec until the blue status LED flashes
  - The unit is set to speed 4 at the factory.
- c) Check the operation of the unit – e.g.: by hearing,
- d) You can start controlling the unit with the controller

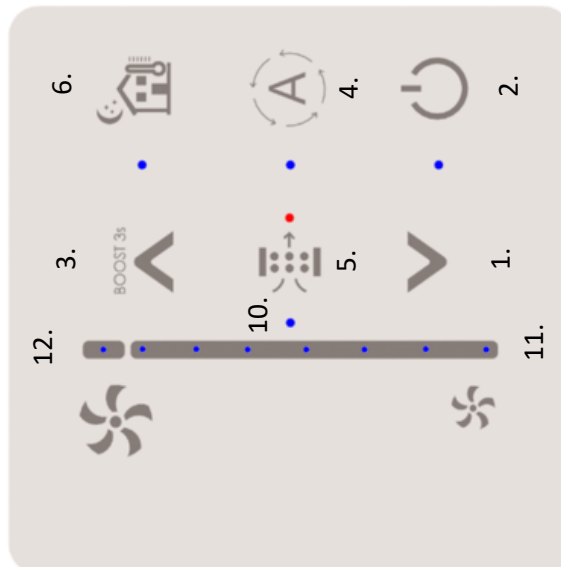
## 6) Basic controller controls

- a) Button 2 – On/Off the Unit (ON/OFF)
- b) Button 1 – decrease the speed of the unit (down arrow)
- c) button 3 – increasing the speed of the unit (up arrow); holding the button for 3sec to start the intensive ventilation mode – BOOST
- d) Button 4 – start automatic mode – control according to AQS sensors – if sensors are connected
- e) Button 6 – start the automatic bypass functionality – air cooling based on the ratio of outdoor and indoor temperature conditions

Status LED blue - summer mode - 6.  
- On - function activated  
- flashes 3 times - function inactive - bad ambient conditions

Status LED Blue - Automatic (AQS) / manual (according to the user) - 4.  
On - Automatic mode (AQS) is on  
- flashing - reading the sensor  
- flashes 3 times and then goes out - absence of sensor (AQS)

Status LED blue - ON/OFF  
- On - controller/unit is on  
- flashes - cooldown mode after turning off the controller



Ventilation level - blue LED - 11; 12  
- Lights up - selected ventilation level  
- 1, 2, 3, 4 LEDs flashing - supply fan error  
- 5, 6, 7, 8 LEDs flashing - exhaust fan error  
- 1, 2 LEDs flashing - T1 sensor error  
- 7, 8 LEDs flashing - T2 sensor error  
- 3, 4 LEDs flashing - T5 sensor error  
- 5, 6 LEDs flashing - T6 sensor error

Status LED - Fan - 10.  
Blue  
- On - fan running  
- flashing - in fan speed setting mode

Status LED red - filter clogging - 5.  
- flashing - signals clogging of the filter

Common function for all blue status LEDs - 3x flashing to activate and deactivate the "child lock" function  
- 1x flashing to signal the active "child lock" function  
- 3x flashing when starting the BOOST function - cannot be activated - low outside temperature



- For more information on the controller's capabilities, see the full manual available on the

<https://www.xvent.cz/dokumentace> website