

VALLOX COOKER HOOD CONTROL METHODS FOR MYVALLOX VENTILATION UNITS AND VALLOX AITO KOTILÄMPÖ

Design instructions and electrical connections



MyVallox Control panel



Vallox Delico -cooker hood



MyVallox ventilation unit

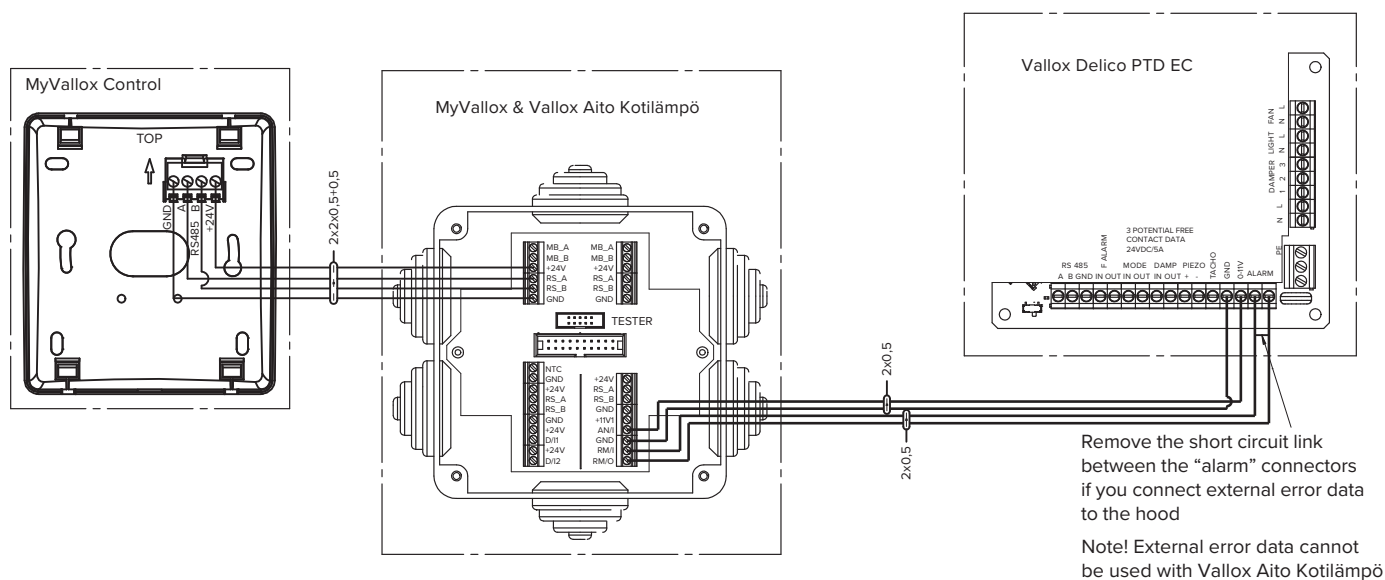
CONTROL METHODS

Control method 1: Cooker hood, humidity and carbon dioxide -based control

MyVallox ventilation units do not have a control panel. The setup of the unit is completed through a computer or a setup control panel. The fan speed of the MyVallox ventilation unit is adjusted from the Vallox Delico PTD EC -cooker hood (Away/At home/Boost). The fan speed will be increased to the Boost mode, when the damper of the cooker hood is opened. The damper of the cooker hood will close after one hour (can be adjusted) when the timer is used, or it can be closed by using the button located on the cooker hood, after which the fan speed is restored to the previously used speed. When the humidity or carbon dioxide level of the extract air increases, ventilation is boosted. When the error data/alarm of the cooker hood (Alarm) is connected, the signal light of the cooker hood will flash when a maintenance reminder or error data is received from the ventilation unit. The relay setting options of the ventilation unit are maintenance reminder, error data, both, or off. If the signal light is not turned on, Alarm cables can be left disconnected.

Control method 2: MyVallox Control panel, cooker hood, humidity and carbon dioxide -based control

The fan speed of the MyVallox ventilation unit is adjusted from the MyVallox Control -panel and the Vallox Delico PTD EC cooker hood (Away/At home/Boost). The latest command will remain in force. The fan speed will be increased to the Boost mode, when the damper of the cooker hood is opened. The damper of the cooker hood will close after one hour (can be adjusted) when the timer is used, or it can be closed by using the button located on the cooker hood, after which the fan speed is restored to the previously used speed. When the humidity or carbon dioxide level of the extract air increases, ventilation is boosted. When the error data/alarm of the cooker hood (Alarm) is connected, the signal light of the cooker hood will flash when a maintenance reminder or error data is received from the ventilation unit. The relay setting options of the ventilation unit are maintenance reminder, error data, both, or off. If the signal light is not turned on, Alarm cables can be left disconnected.



Select fan speed control as the function of the analog input (see page 7).

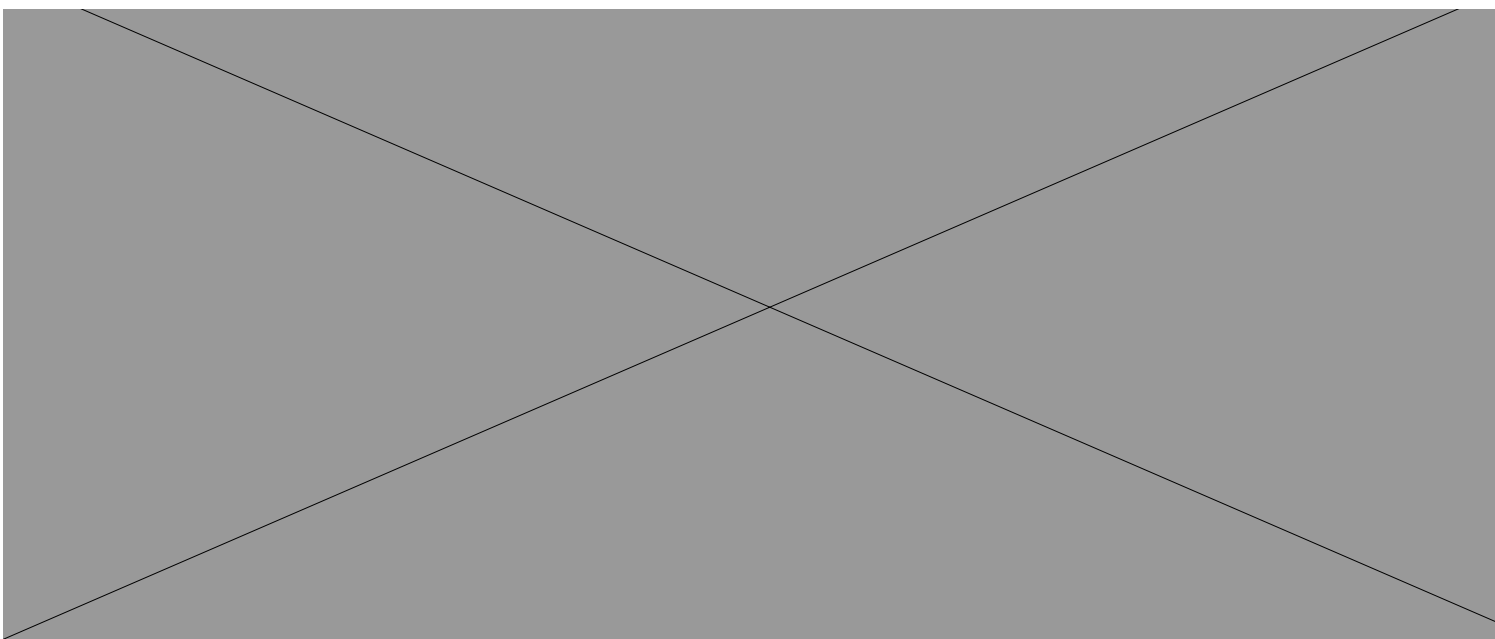
Set error message, maintenance reminder, both, or off as the relay function (see page 7).

Control method 3: Cooker hood, contact data of the position of the cooker hood damper, humidity and carbon dioxide -based control

MyVallox ventilation units do not have a control panel. The setup of the unit is completed through a computer or a setup control panel. The fan speed of the MyVallox ventilation unit is adjusted from the Vallox Delico PTD EC -cooker hood (Away/At home/Boost). The speed of the fans increases to the selected speed based on the contact data received from the Vallox Delico PTD EC cooker hood indicating that the damper is open. For the duration that the damper is open, the speeds of the supply and extract air fans will be set so that the ratio between the supply and extract air flows does not change. The damper of the cooker hood will close after one hour (can be adjusted) when the timer is used, or it can be closed by using the button located on the cooker hood, after which the fan speed is restored to the previously used speed. When the humidity or carbon dioxide level of the extract air increases, ventilation is boosted. When the error data/alarm of the cooker hood (Alarm) is connected, the signal light of the cooker hood will flash when a maintenance reminder or error data is received from the ventilation unit. The relay setting options of the ventilation unit are maintenance reminder, error data, both, or off. If the signal light is not turned on, Alarm cables can be left disconnected.

Control method 4: MyVallox Control panel, contact data of the position of the cooker hood damper, humidity and carbon dioxide -based control

The fan speed of the MyVallox ventilation unit is adjusted from the MyVallox Control -panel and the Vallox Delico PTD EC cooker hood (Away/At home/Boost). The latest command will remain in force. The speed of the fans increases to the selected speed based on the contact data received from the Vallox Delico PTD EC cooker hood indicating that the damper is open. For the duration that the damper is open, the speeds of the supply and extract air fans will be set so that the ratio between the supply and extract air flows does not change. The damper of the cooker hood will close after one hour (can be adjusted) when the timer is used, or it can be closed by using the button located on the cooker hood, after which the fan speed is restored to the previously used speed. When the humidity or carbon dioxide level of the extract air increases, ventilation is boosted. When the error data/alarm of the cooker hood (Alarm) is connected, the signal light of the cooker hood will flash when a maintenance reminder or error data is received from the ventilation unit. The relay setting options of the ventilation unit are maintenance reminder, error data, both, or off. If the signal light is not turned on, Alarm cables can be left disconnected.



Set fan speed control as the function of the analog input (see page 7).

Select Programmable input as the setting used for the digital input 1. Set the desired supply and extract air fan speed and select a suitable supply air temperature (see page 8).

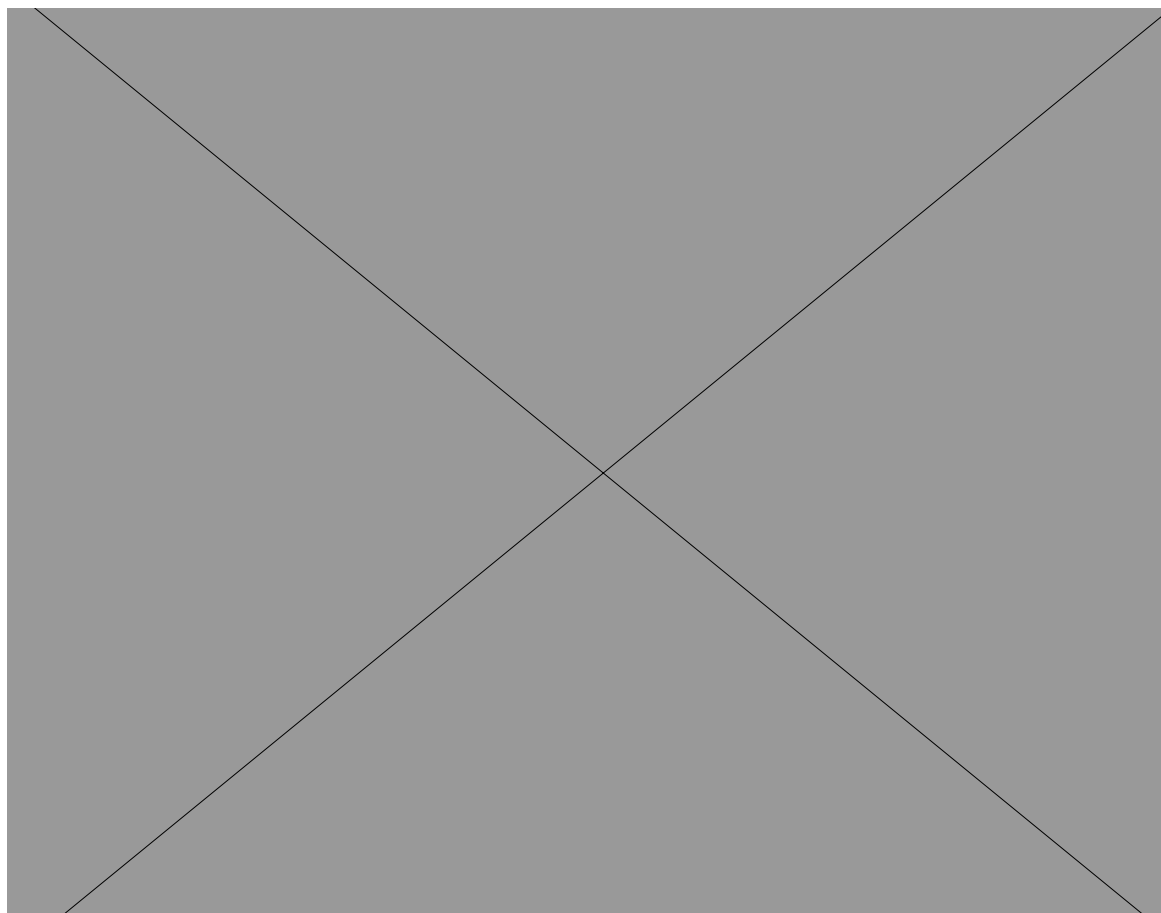
Set error message, maintenance reminder, both, or off as the relay function (see page 7).

Control method 5A: At home/Away switch, contact data of the position of the cooker hood damper, humidity and carbon dioxide -based control

MyVallox ventilation units do not have a control panel. The setup of the unit is completed through a computer or a setup control panel. The switch located in the lobby is used to select either the Away or the At home mode. The speed of the fans increases to the selected speed based on the contact data received from the Vallox Delico KTD A or Vallox X-Line KTXA cooker hood indicating that the damper is open. For the duration that the damper is open, the speeds of the supply and extract air fans will be set so that the ratio between the supply and extract air flows does not change. The damper of the cooker hood will close after one hour (can be adjusted through the models KTD A) when the timer is used, or it can be closed by using the button located on the cooker hood, after which the fan speed is restored to the previously used speed. When the humidity or carbon dioxide level of the extract air increases, ventilation is boosted. When the error data/alarm of the cooker hood (Alarm) is connected, the signal light of the cooker hood will flash when a maintenance reminder or error data is received from the ventilation unit. The relay setting options of the ventilation unit are maintenance reminder, error data, both, or off. If the signal light is not turned on, Alarm cables can be left disconnected.

Control method 5B: Contact data of the position of the cooker hood damper, humidity and carbon dioxide -based control

MyVallox ventilation units do not have a control panel. The setup of the unit is completed through a computer or a setup control panel. The speed of the fans increases to the selected speed based on the contact data received from the Vallox Delico KTD A or Vallox X-Line KTXA cooker hood indicating that the damper is open. For the duration that the damper is open, the speeds of the supply and extract air fans will be set so that the ratio between the supply and extract air flows does not change. The damper of the cooker hood will close after one hour (can be adjusted through the model KTD A) when the timer is used, or it can be closed by using the button located on the cooker hood, after which the fan speed is restored to the previously used speed. The ventilation unit normally uses the fan speed set for the Away mode and the ventilation is boosted when the humidity or carbon dioxide level of the extract air increases. When the error data/alarm of the cooker hood (Alarm) is connected, the signal light of the cooker hood will flash when a maintenance reminder or error data is received from the ventilation unit. The relay setting options of the ventilation unit are maintenance reminder, error data, both, or off. If the signal light is not turned on, Alarm cables can be left disconnected.

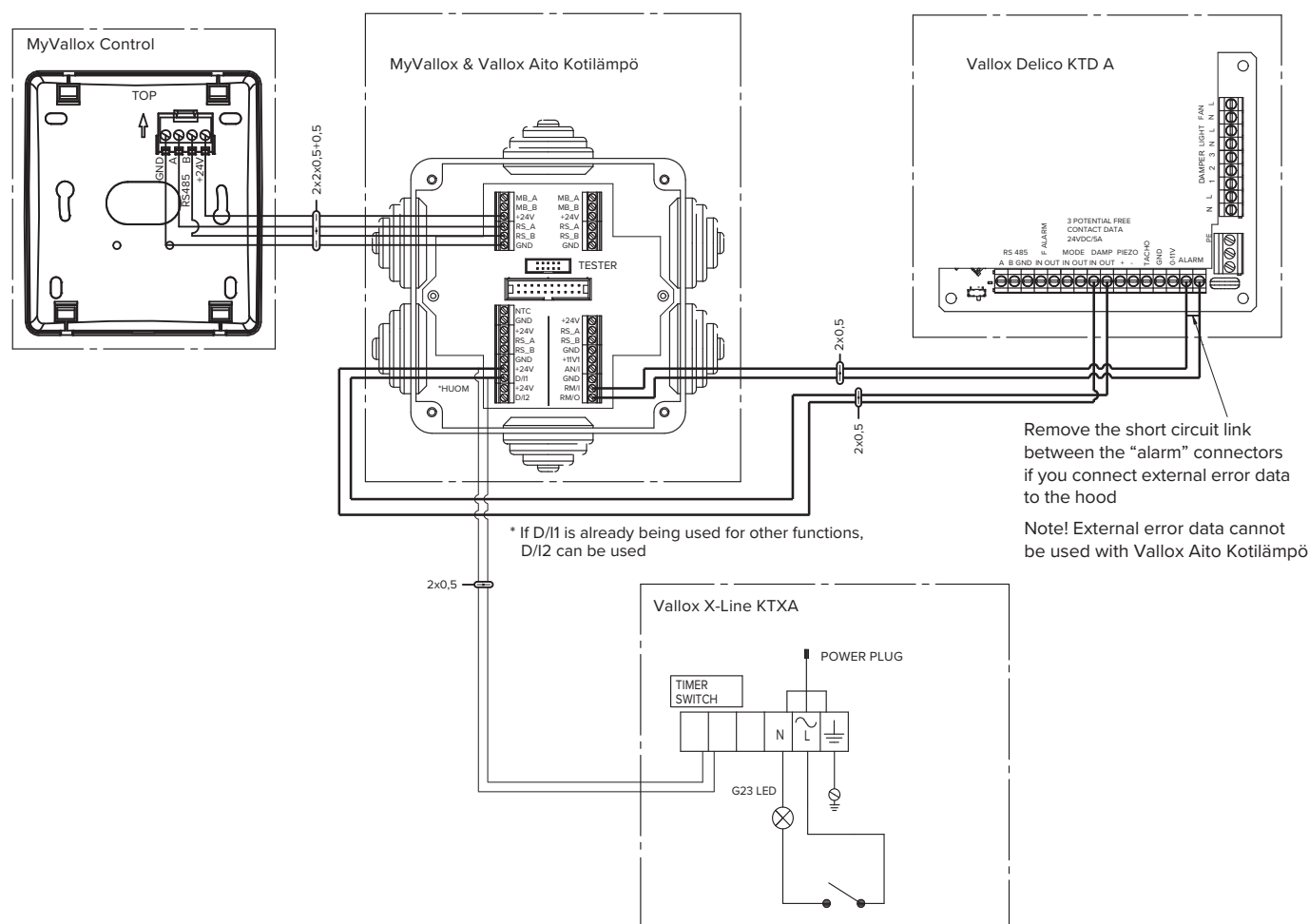


Select At home/Away as the setting used for the digital input 1 and Programmable input as the setting used for the digital input 2. Set the desired supply and extract air fan speed for the Programmable input and select a suitable supply air temperature (see page 8).

Set error message, maintenance reminder, both, or off as the relay function (see page 7).

Control method 6: MyVallox Control panel, contact data of the position of the cooker hood damper, humidity and carbon dioxide -based control

The fan speed of the MyVallox ventilation unit is adjusted from the MyVallox Control -panel (Away/At home/Boost). From the boost mode, the fan speed restores to the previously used speed after 30 minutes (can be adjusted). The speed of the fans increases to the selected speed based on the contact data received from the Vallox Delico KTD A or Vallox X-Line KTXA cooker hood indicating that the damper is open. For the duration that the damper is open, the speeds of the supply and extract air fans will be set so that the ratio between the supply and extract air flows does not change. The damper of the cooker hood will close after one hour (can be adjusted through the model KTD A) when the timer is used, or it can be closed by using the button located on the cooker hood, after which the fan speed is restored to the previously used speed. When the humidity or carbon dioxide level of the extract air increases, ventilation is boosted. When the error data/alarm of the cooker hood (Alarm) is connected, the signal light of the cooker hood will flash when a maintenance reminder or error data is received from the ventilation unit. The relay setting options of the ventilation unit are maintenance reminder, error data, both, or off. If the signal light is not turned on, Alarm cables can be left disconnected.



Select Programmable input as the setting used for the digital input 1. Set the desired supply and extract air fan speed and select a suitable supply air temperature (see page 8).

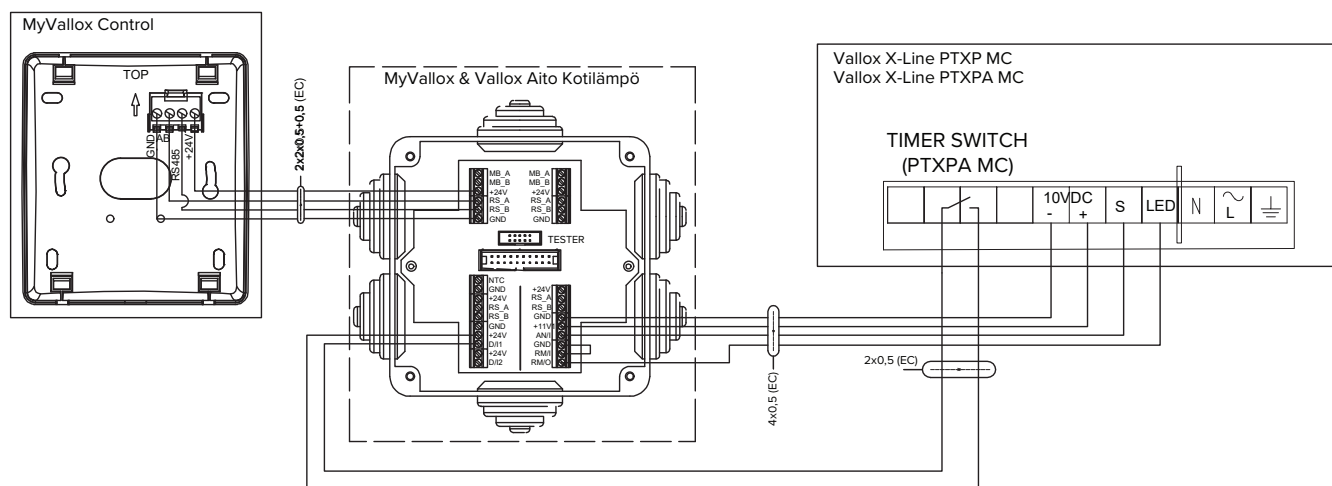
Set error message, maintenance reminder, both, or off as the relay function (see page 7).

Control method 7: Cooker hood, humidity and carbon dioxide -based control

MyVallox ventilation units do not have a control panel. The setup of the unit is completed through a computer or a setup control panel. The fan speed of the MyVallox ventilation unit is adjusted from the Vallox X-Line PTXP MC or Vallox X-Line PTXPA MC cooker hood (Away/At home/Boost). When the humidity or carbon dioxide level of the extract air increases, ventilation is boosted. When the LED cable of the cooker hood is connected, the signal light of the cooker hood will remain turned on when the ventilation unit is on. The signal light will turn off when a maintenance reminder or error data is received from the ventilation unit. The relay setting options of the ventilation unit are maintenance reminder, error data, both, or off. If the signal light is not turned on, the LED cable can be left disconnected.

Control method 8: MyVallox Control panel, cooker hood, humidity and carbon dioxide -based control

The fan speed of the MyVallox ventilation unit is adjusted from the MyVallox Control panel and the Vallox X-Line PTXP MC or Vallox X-Line PTXPA MC cooker hood (Away/At home/Boost). The latest command will remain in force. When the humidity or carbon dioxide level of the extract air increases, ventilation is boosted. When the LED cable of the cooker hood is connected, the signal light of the cooker hood will remain turned on when the ventilation unit is on. The signal light will turn off when a maintenance reminder or error data is received from the ventilation unit. The relay setting options of the ventilation unit are maintenance reminder, error data, both, or off. If the signal light is not turned on, the LED cable can be left disconnected.



Select fan speed control as the function of the analog input (see page 7).

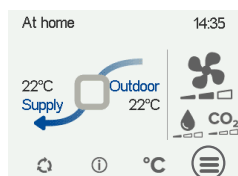
Set error message, maintenance reminder, both, or off as the relay function (see page 7).

SELECTING THE FUNCTIONS AND RELAY SETTINGS

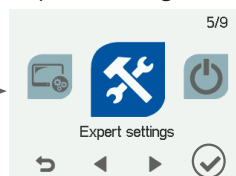
Other control methods 1, 2, 3, 4, 7, 8

Select fan speed control as the function of the analog input.

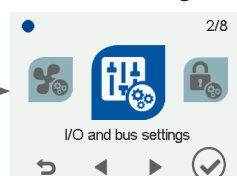
Open the settings menu



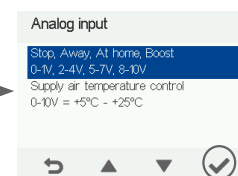
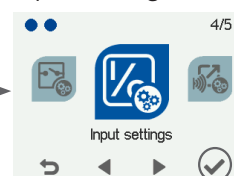
Use the Arrow buttons to select Expert settings



Use the Arrow buttons to select I/O and bus settings



Use the Arrow buttons to select Input settings



VOLTAGE VALUE

Adjust the voltages of the cooker hood. Stop = 0.5 V, Away = 3,0 V, At home = 6,0 V, Boost = 9,0 V.

The cooker hood or remote monitoring uses these voltage values to control the ventilation by changing the ventilation mode as required.

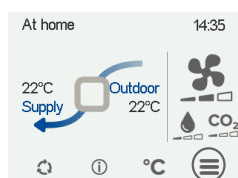
NOTE! Ensure that the voltages of the cooker hood correspond to the voltages provided in the above. See the manual of the cooker hood. Because the Vallox X-Line PTXP MC and the Vallox X-Line PTXPA MC cooker hoods have a four-step switch but the ventilation unit only has three modes, speeds 3 and 4 should be set as the same (Boost).

NOTE! Do not set the lowest voltage below 2 V, because the ventilation must always be turned on.

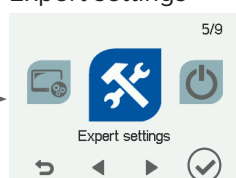
Control methods 1, 2, 3, 4, 5A, 5B, 6

Set error message or error message and maintenance reminder as the relay function.

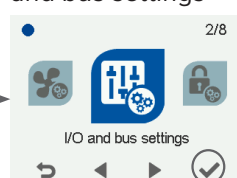
Open the settings menu



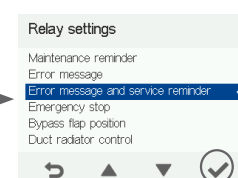
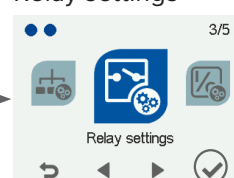
Use the Arrow buttons to select Expert settings



Use the Arrow buttons to select I/O and bus settings



Use the Arrow buttons to select Relay settings



Error message — In the event of operational errors, the relay status will change automatically. Error data can be connected to the signal light of the cooker hood (not the Vallox X-Line KTXA model). Errors are also recorded in the error log.

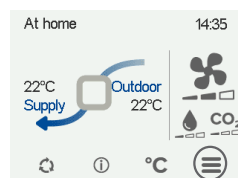
Error message and maintenance reminder — If the maintenance reminder of the unit is activated, an error occurs, or the unit has stopped, the status of the relay changes. Error data and maintenance reminder can be connected to the signal light of the cooker hood (not the Vallox X-Line KTXA model). The maintenance reminder notifies the user of the service need once in every four months (factory setting).

Note! If the ventilation unit does not have a control panel, maintenance reminders can only be set off by using a separate setup control panel or a computer.

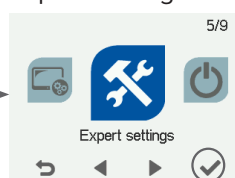
Control method 5A

Select At home/Away as the setting used for the digital input 1 and Programmable input as the setting used for the digital input 2. Set the desired supply and extract air fan speed for the Programmable input and select a suitable supply air temperature.

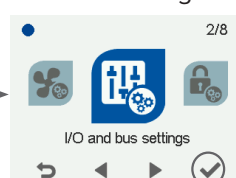
Open the settings menu



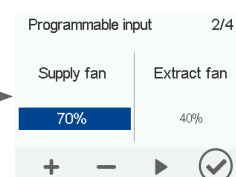
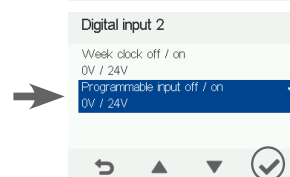
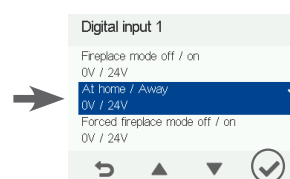
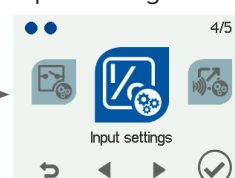
Use the Arrow buttons to select Expert settings



Use the Arrow buttons to select I/O and bus settings



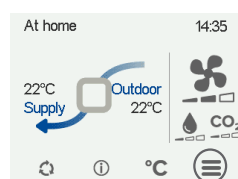
Use the Arrow buttons to select Input settings



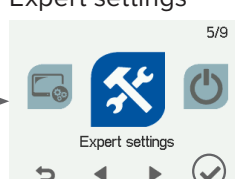
Other control methods 3, 4, 6

Select Programmable input as the setting used for the digital input 1. Set the desired supply and extract air fan speed and select a suitable supply air temperature.

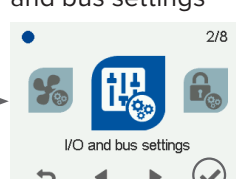
Open the settings menu



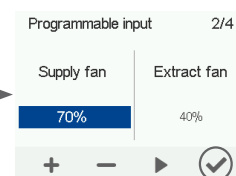
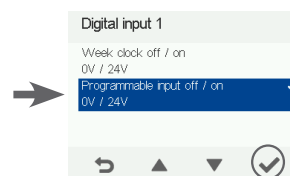
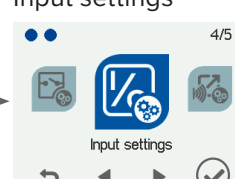
Use the Arrow buttons to select Expert settings



Use the Arrow buttons to select I/O and bus settings



Use the Arrow buttons to select Input settings



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