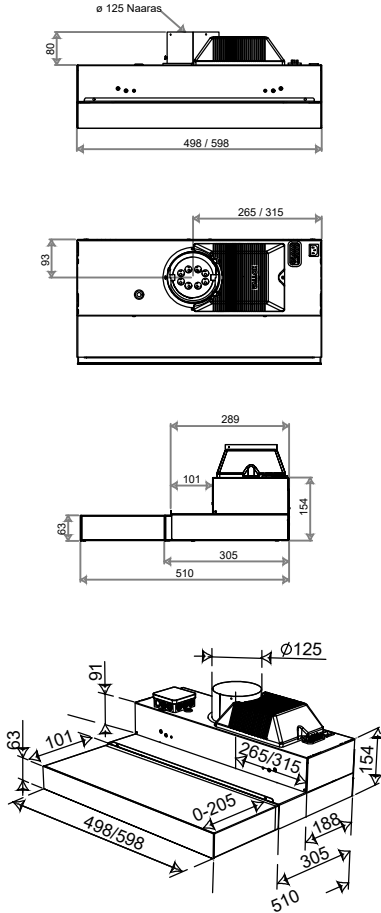


VALLOX DELICO PTD EC

DIMENSIONS

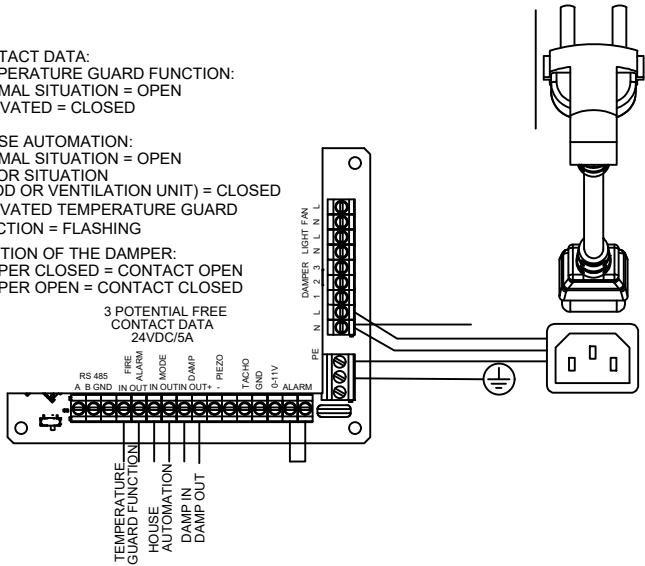


EXTERNAL CONNECTIONS

CONTACT DATA:
TEMPERATURE GUARD FUNCTION:
NORMAL SITUATION = OPEN
ACTIVATED = CLOSED

HOUSE AUTOMATION:
NORMAL SITUATION = OPEN
ERROR SITUATION
(HOOD OR VENTILATION UNIT) = CLOSED
ACTIVATED TEMPERATURE GUARD
FUNCTION = FLASHING

POSITION OF THE DAMPER:
DAMPER CLOSED = CONTACT OPEN
DAMPER OPEN = CONTACT CLOSED



DESCRIPTION OF OPERATION

Vallox Delico PTD EC

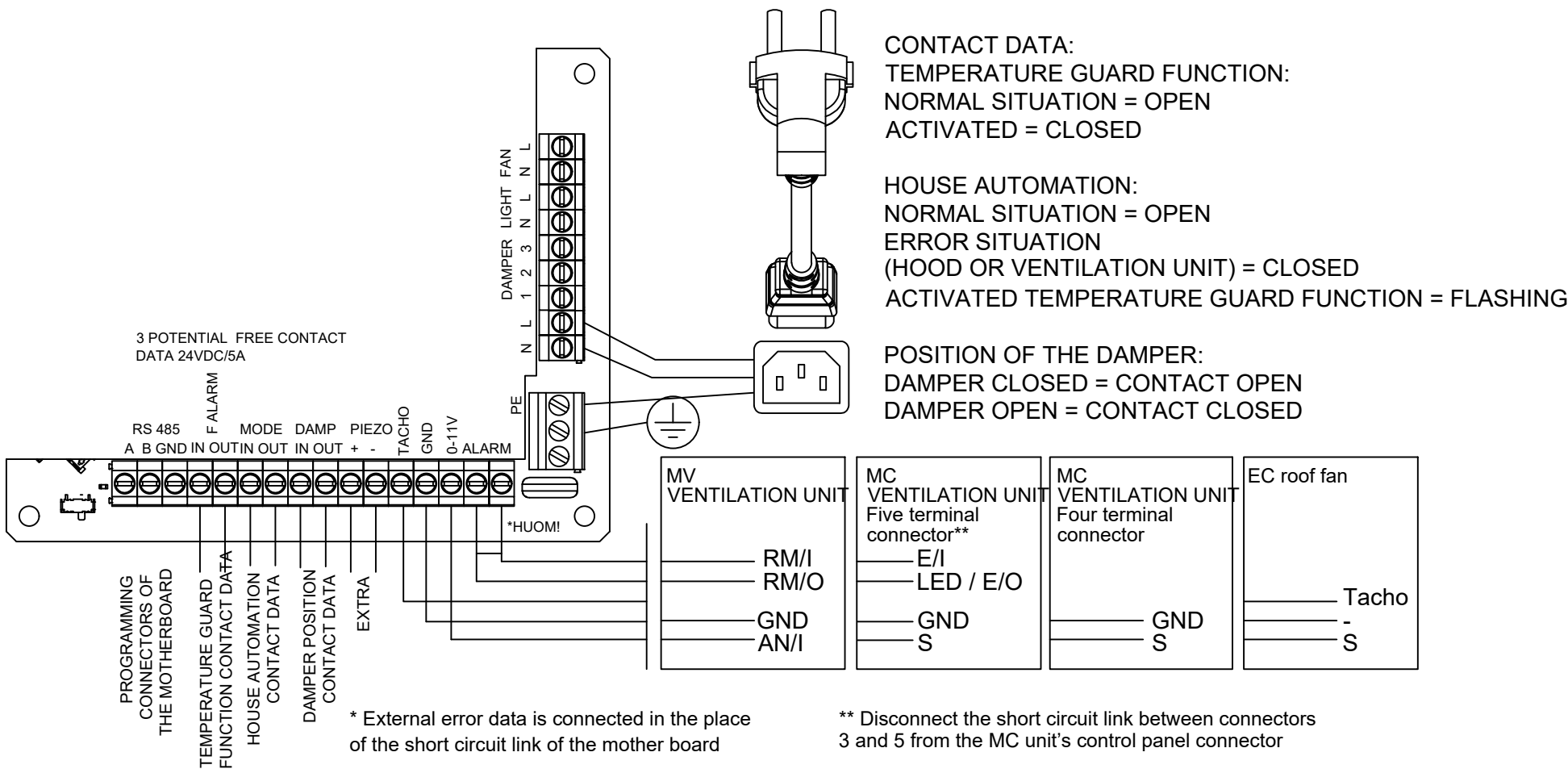
- The cooker hood is equipped with a retractable steam collection part, a grease filter, and a LED lamp, whose efficiency can be adjusted.
- The cooker hood as a three-speed voltage message control for controlling EC fans within the range of 2.7 – 11.2 VDC. The 0 position can be activated in connection to setup. The control voltage can be measured from the cooker hood.
- The cooker hood is equipped with a timer damper that can be adjusted to be open for 45 – 120 minutes. Damper timer can be turned off. Potential-free contact data (ends closed) is provided of the position of the damper. Speed 3 of the fan control is activated when the damper is opened. The speed can then be changed.
- The minimum air flow of the cooker hood can be measured and adjusted.
- When the alarm of the temperature guard function is activated, the working and signal lights will flash, the damper will be closed and the fan will be switched to the 0 position when the temperature of the cooker hood exceeds 60°C or the temperature increases by more than 8°C a minute. The alarm is acknowledged by pressing any key. Potential-free contact data (ends closed) is provided of the alarm of the temperature guard function.
- If the cooker hood is only used to control the fan used for the removal of cooking smells, a damper that opens automatically when the fan is started and post-operation for reducing the formation of condensing water in the extract air duct can be activated for the cooker hood. During post-operation, the fan will operate at the minimum speed for 15 minutes, after which the fan will be turned off and the damper will close.

PRODUCT NUMBERS

Model	Width	Color	Product number	HVAC-number	Electrical number
PTD EC	500	White	2148100	7911287	8503605
PTD EC	600	White	2148200	7911288	8503606
PTD EC	500	Black	2151800	7911289	8503607
PTD EC	600	Black	2151900	7911290	8503608

Revision	Date	Drawer	Change	VALLOX		Target Customer Addr1 Addr2		OPERATION AND CONNECTION			
								Vallox Delico PTD EC			
								Drawer Person1	Designer Person1	Project number 001	Date Date
								Revision ...	Drawing number 001	Page 01 / 06	

VALLOX DELICO PTD EC
CONNECTION TO THE VENTILATION UNIT OR A ROOF FAN



VALLOX DELICO PTD EC

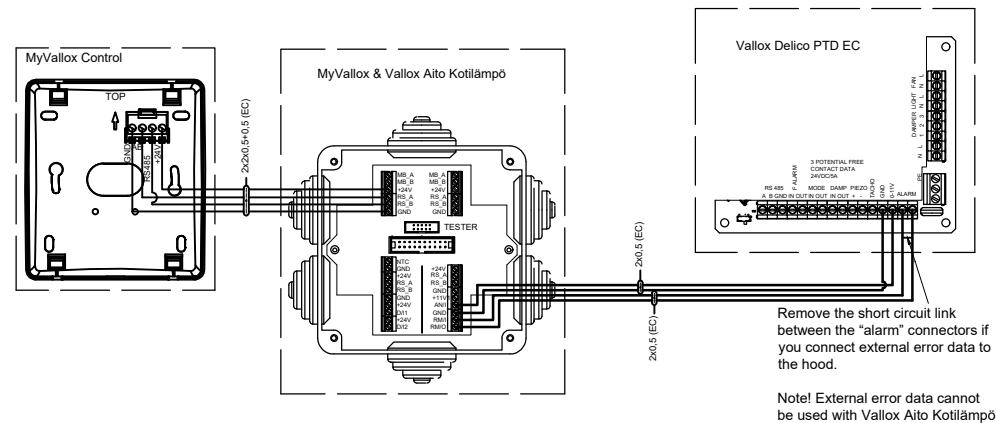
VALLOX COOKER HOOD CONTROL METHODS FOR MYVALLOX VENTILATION UNITS AND VALLOX AITO KOTILÄMPÖ

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. Set error message, maintenance reminder, both, or off as the relay function.

CONTROL METHODS FOR MYVALLOX VENTILATION UNITS

(EC = Electrical Constructor)

Revision	Date	Drawer	Change	<div>VALLOX</div>		Target Customer Addr1 Addr2		OPERATION AND CONNECTION			
								Vallox Delico PTD EC			
								Drawer Person1	Designer Person1	Project number 001	Date Date
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VALLOX DELICO PTD EC

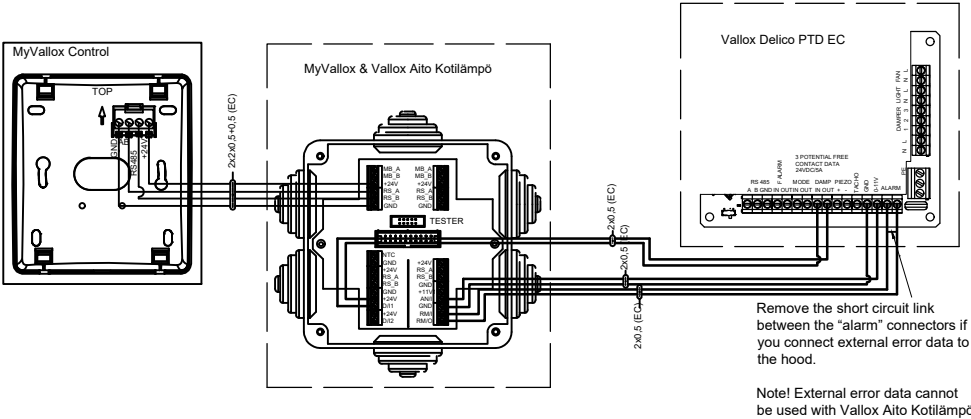
VALLOX COOKER HOOD CONTROL METHODS FOR MYVALLOX VENTILATION UNITS AND VALLOX AITO KOTILÄMPÖ

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. 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.

CONTROL METHODS FOR MYVALLOX VENTILATION UNITS				(EC = Electrical Constructor)						
Revision	Date	Drawer	Change	<div>VALLOX</div>		Target Customer Addr1 Addr2		OPERATION AND CONNECTION Vallox Delico PTD EC		
				Drawer Person1	Designer Person1	Project number 001	Date Date	Revision ...	Drawing number 001	Page 04 /04