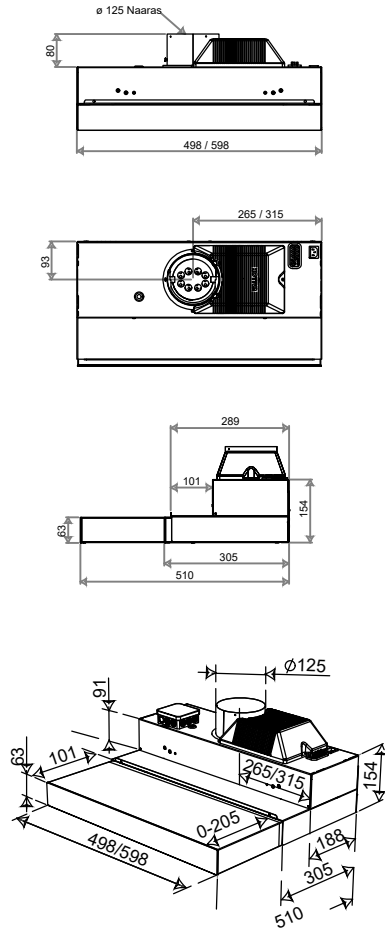
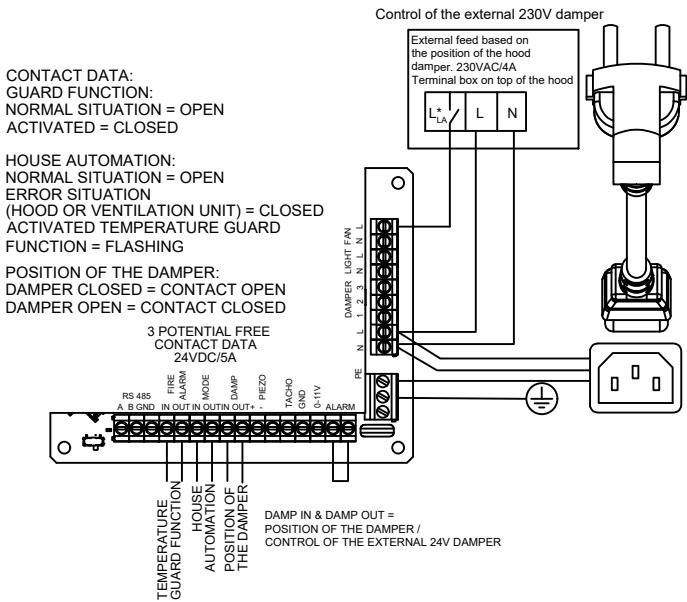


VALLOX DELICO KTD A

DIMENSIONS



EXTERNAL CONNECTION



DESCRIPTION OF OPERATION

Vallox Delico KTD A

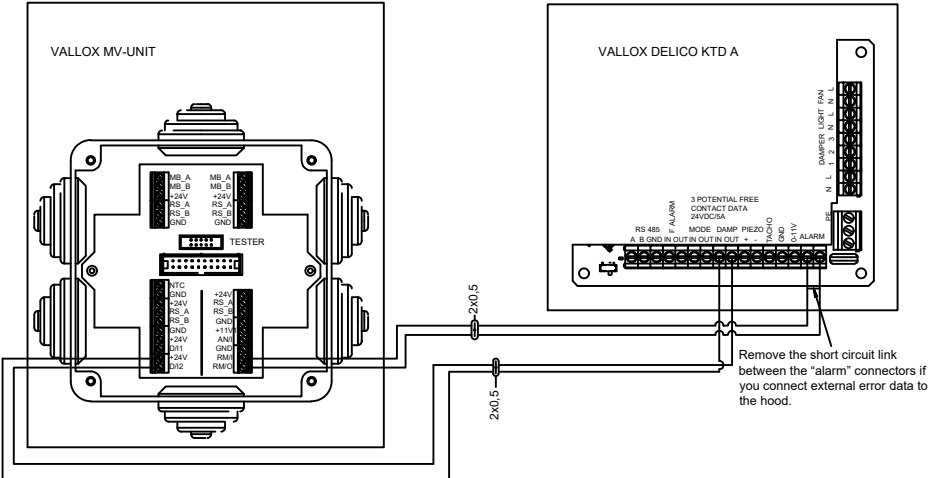
- The cooker hood is equipped with a retractable steam collection part, a grease filter, and a LED lamp, whose efficiency can be adjusted.
- The cooker hood is equipped with a timer damper that can be adjusted to be open for 45 - 120 minutes. Damper timer can be turned off. Potential-free contact data (ends closed) and 230 V (4 A) supply voltage are provided of the position of the damper. 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 and the damper will be closed when the temperature of the cooker hood exceeds 60°C or the temperature increases by more than 8°C a minute. The temperature guard alarm is acknowledged by pressing any key. Potential-free contact data (ends closed) is provided of the alarm of the guard function.

PRODUCT NUMBERS

Model	Width	Color	Product number	HVAC-number	Electrical number
KTD A	500	white	2150900	7911291	8503609
KTD A	600	white	2151000	7911292	8503610
KTD A	500	black	2151100	7911293	8503611
KTD A	600	black	2151200	7911294	8503612

Revision	Date	Drawer	Muutos	VALLOX		Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION			
								Vallox Delico KTD A			
								Drawer Person1	Designer Person1	Project number 001	Date. DATE
								Revision ...	Drawing number 001	Page 01 /07	

VALLOX DELICO KTD A CONNECTION TO VALLOX MV-UNIT

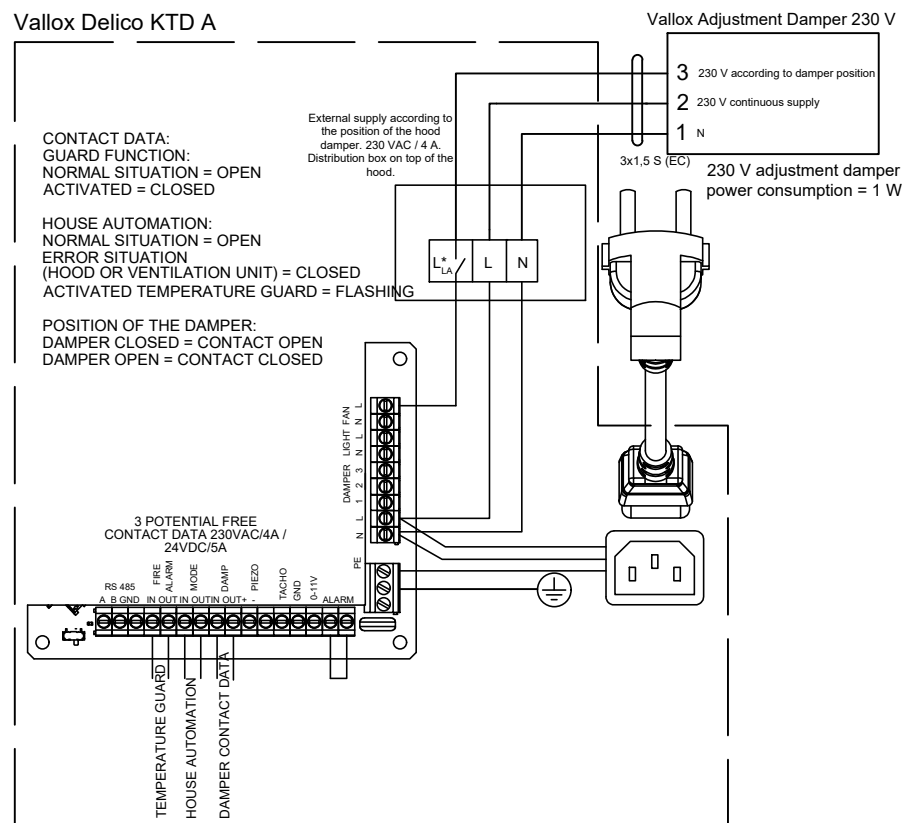


(EC = Electrical Constructor)

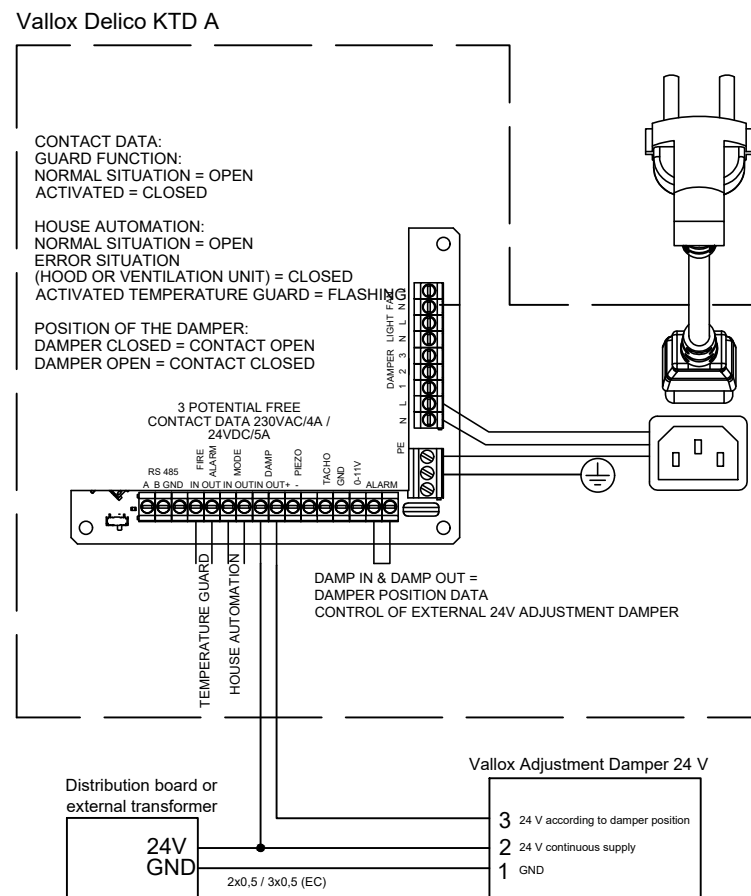
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								Vallox Delico KTD A			
								Drawer	Designer	Project number	Date.
								Person1	Person1	001	DATE
								Revision	Drawing number	Page	
								...	001	02	/07

VALLOX DELICO KTD A CONNECTION WITH VALLOX ADJUSTMENT DAMPER

VALLOX ADJUSTMENT DAMPER 230 V, CONNECTION AND CONTROL



VALLOX ADJUSTMENT DAMPER 24 V, CONNECTION AND CONTROL



24 V adjustment damper requires separate voltage supply (either external 24 V transformer or voltage supply from distribution board).
24 V adjustment damper power consumption = 2 W.

(EC) = ELECTRICAL CONTRACTOR

Revision	Date	Drawer	Muutos	VALLOX		Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION			
								Vallox Delico KTD A			
								Drawer Person1	Designer Person1	Project number 001	Date. DATE
								Revision ...	Drawing number 001	Page 03 /07	

VALLOX DELICO KTD A

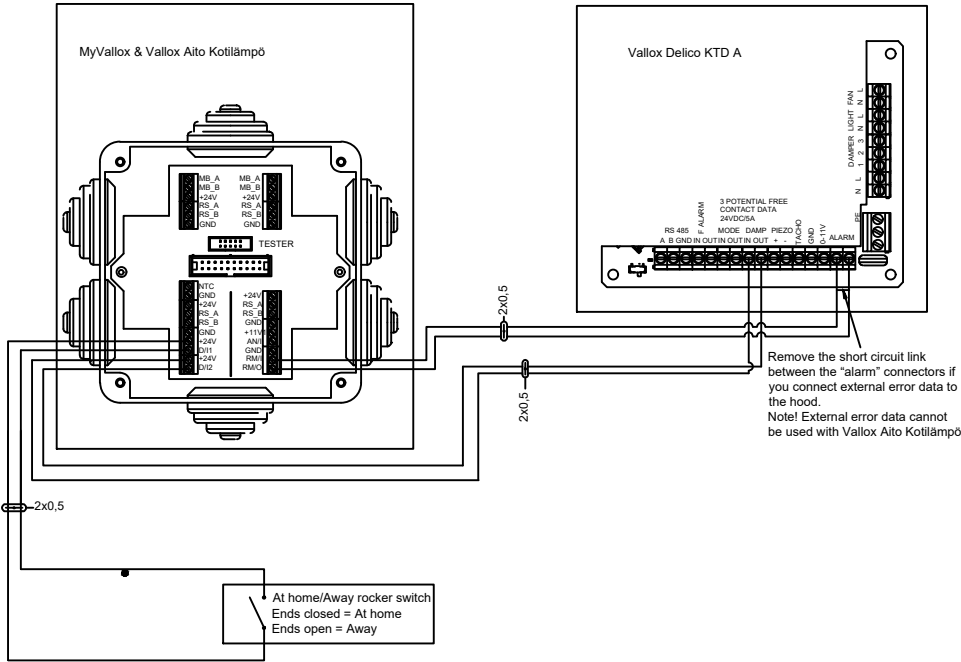
CONTROL METHODS FOR MYVALLOX VENTILATION UNITS AND VALLOX AITO KOTILÄMPÖ

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

CONTROL METHODS FOR MYVALLOX VENTILATION UNITS

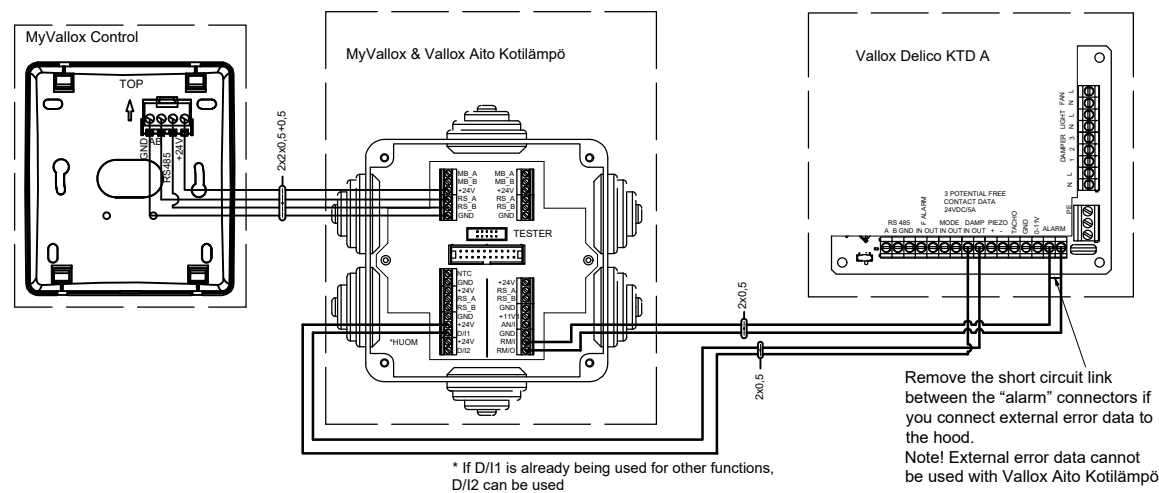
Revision	Date	Drawer	Muutos			Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION Vallox Delico KTD A			
				Drawer Person1	Designer Person1	Project number 001	Date. DATE	Revision ...	Drawing number 001	Page 04 /07	

VALLOX DELICO KTD A

CONTROL METHODS FOR MYVALLOX VENTILATION UNITS AND VALLOX AITO KOTILÄMPÖ

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.

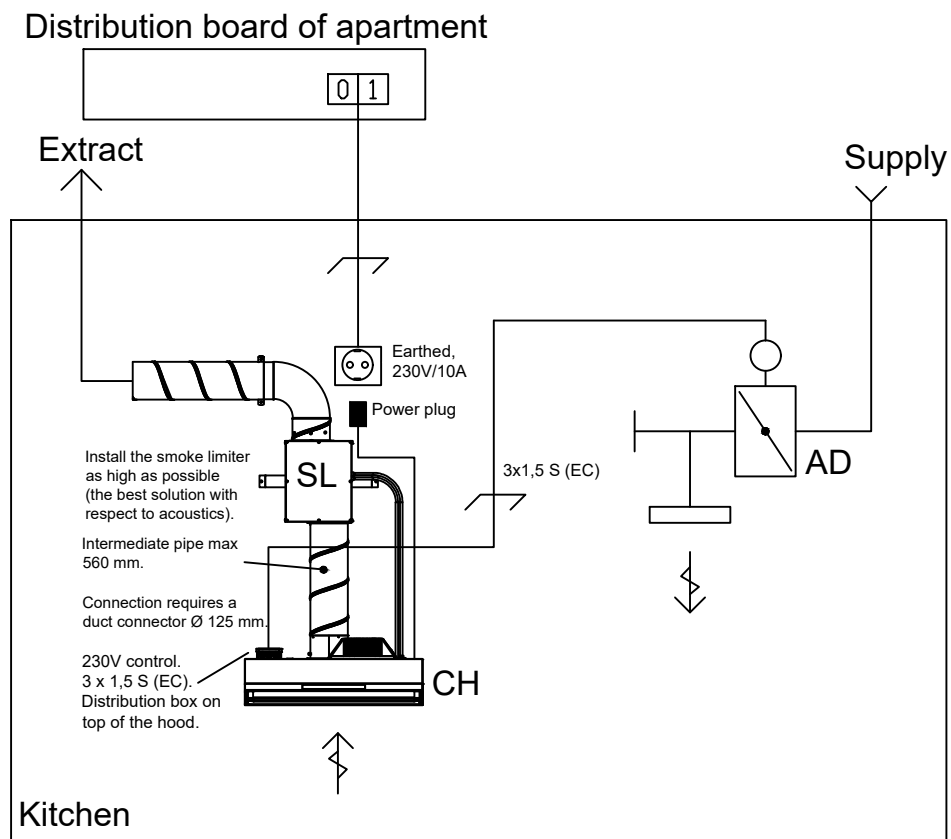


Select Programmable input as the setting used for the digital input 1. Set the desired supply and extract air fan speed and select a suitable supply air temperature. Set error message, maintenance reminder, both, or off as the relay function.

CONTROL METHODS FOR MYVALLOX VENTILATION UNITS

Revision	Date	Drawer	Muutos	VALLOX		Target Customer Addr. 1 Addr. 2		DESCRIPTION AND CONNECTION				
								Vallox Delico KTD A				
				Drawer Person1	Designer Person1	Project number 001	Date. DATE	Revision ...	Drawing number 001	Page 05 /07		

CONNECTION, VALLOX DELICO KTD A + VALLOX ADJUSTMENT DAMPER 230 V, CENTRALISED VENTILATION



CH = Vallox Delico KTD A cooker hood.

SL = Vallox Smoke Limiter.

AD = Vallox Adjustment Damper 230 V.

Control of adjustment damper = Distribution box on top of the hood (on the left).

When Vallox Delico KTD A is connected to the joint extraction system of a multi-storey building, a smoke limiter must also be installed.

Vallox Smoke Limiter meets the requirements set for a choke that serves as a fire damper (max 42 l/s @ 100 pa).

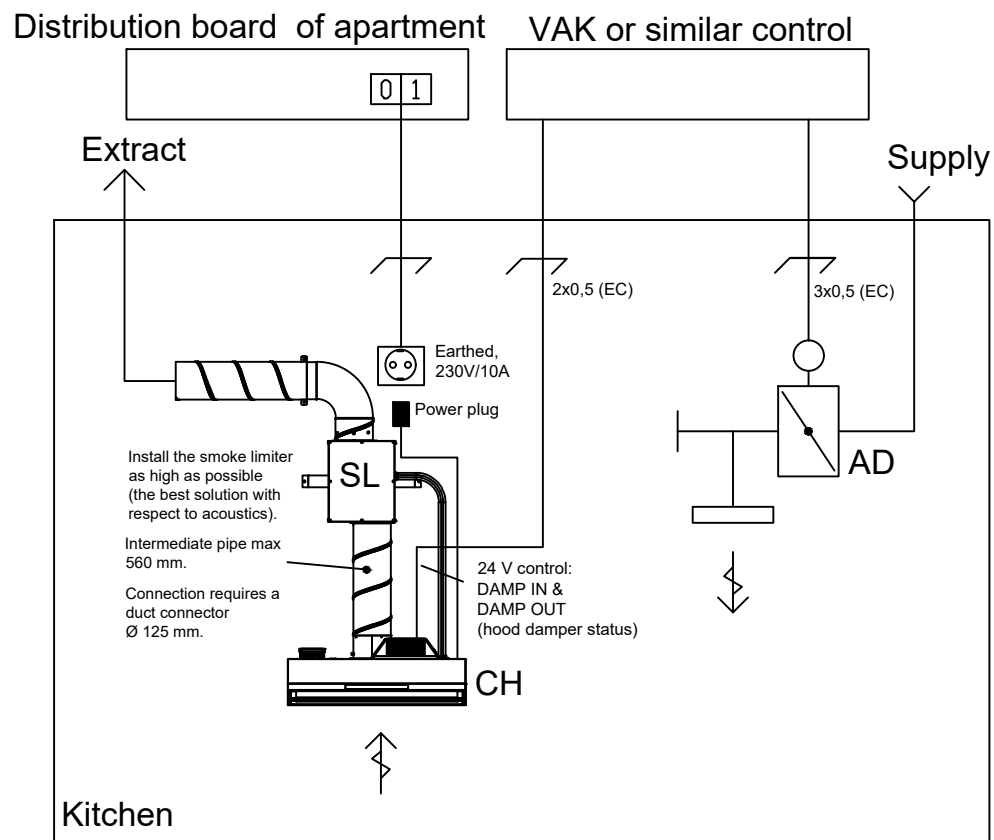
The minimum air flow is adjusted from the cooker hood and the maximum air flow from the smoke limiter.

In order to carry out maintenance and adjustment, there must be access to the Adjustment Damper, e.g. a maintenance hatch.

(EC) = ELECTRICAL CONTRACTOR

Revision	Date	Drawer	Muutos		Target Customer Addr. 1 Addr. 2			DESCRIPTION AND CONNECTION Vallox Delico KTD A		
					Drawer Person1	Designer Person1	Project number 001	Date. DATE	Revision ...	Drawing number 001

CONNECTION, VALLOX DELICO KTD A + VALLOX ADJUSTMENT DAMPER 24 V, CENTRALISED VENTILATION



CH = Vallox Delico KTD A cooker hood.

SL = Vallox Smoke Limiter.

AD = Vallox Adjustment Damper.

Adjustment damper control = DAMP IN & DAMP OUT
(status data of the hood damper)

When Vallox Delico KTD A is connected to the joint extraction system of a multi-storey building, a smoke limiter must also be installed.

Vallox Smoke Limiter meets the requirements set for a choke that serves as a fire damper (max 42 l/s @ 100 pa).

The minimum air flow is adjusted from the cooker hood and the maximum air flow from the smoke limiter.

In order to carry out maintenance and adjustment, there must be access to the Adjustment Damper, e.g. a maintenance hatch.

(EC) = ELECTRICAL CONTRACTOR

Revision	Date	Drawer	Muutos		Target Customer Addr. 1 Addr. 2			DESCRIPTION AND CONNECTION Vallox Delico KTD A		
				Drawer Person1	Designer Person1	Project number 001	Date. DATE	Revision ...	Drawing number 001	Page 07 /07