





















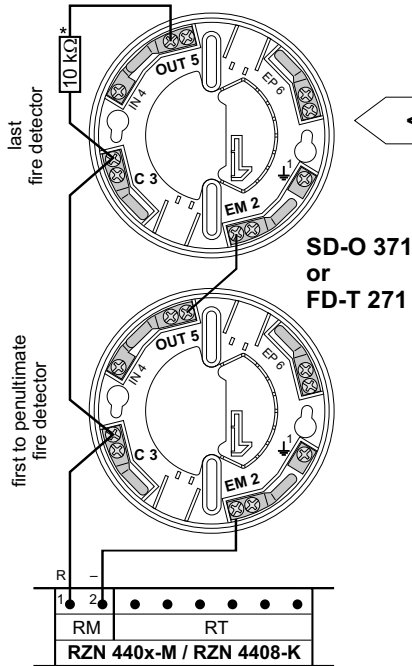






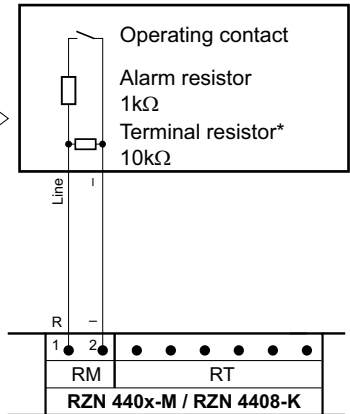
## Connection of fire detector

Max. 14 fire detectors connectable.  
Only D+H approved detectors must be used.



## Connection of fire alarm system

### BMZ / BMA

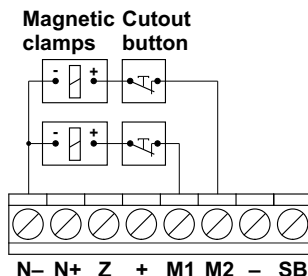


### \* Terminal resistors for line monitoring

It is pinched in control panel for transport.  
Take it off there and connect according to plan.  
Terminal resistor must remain at terminal RM 1,2,  
when no fire detector or external control exists!

## Connection of magnetic clamps

Magnetic clamps 24V (max. 500 mA overall power)  
No output voltage during power failure!



## Drives

### Group output:

While an alert, a possible group disturbance will not notified. Only after reset the alarm, a fault message will be indicated.

### High-speed function (HS):

All D+H drives with SHEV high-speed function are supported. In daily ventilation operation, a considerable noise reduction is achieved through the reduced drive speed. In case of SHEV the drives run with a very high speed to reach the OPEN position defined within 60 seconds at the most.

### SHEV retriggering:

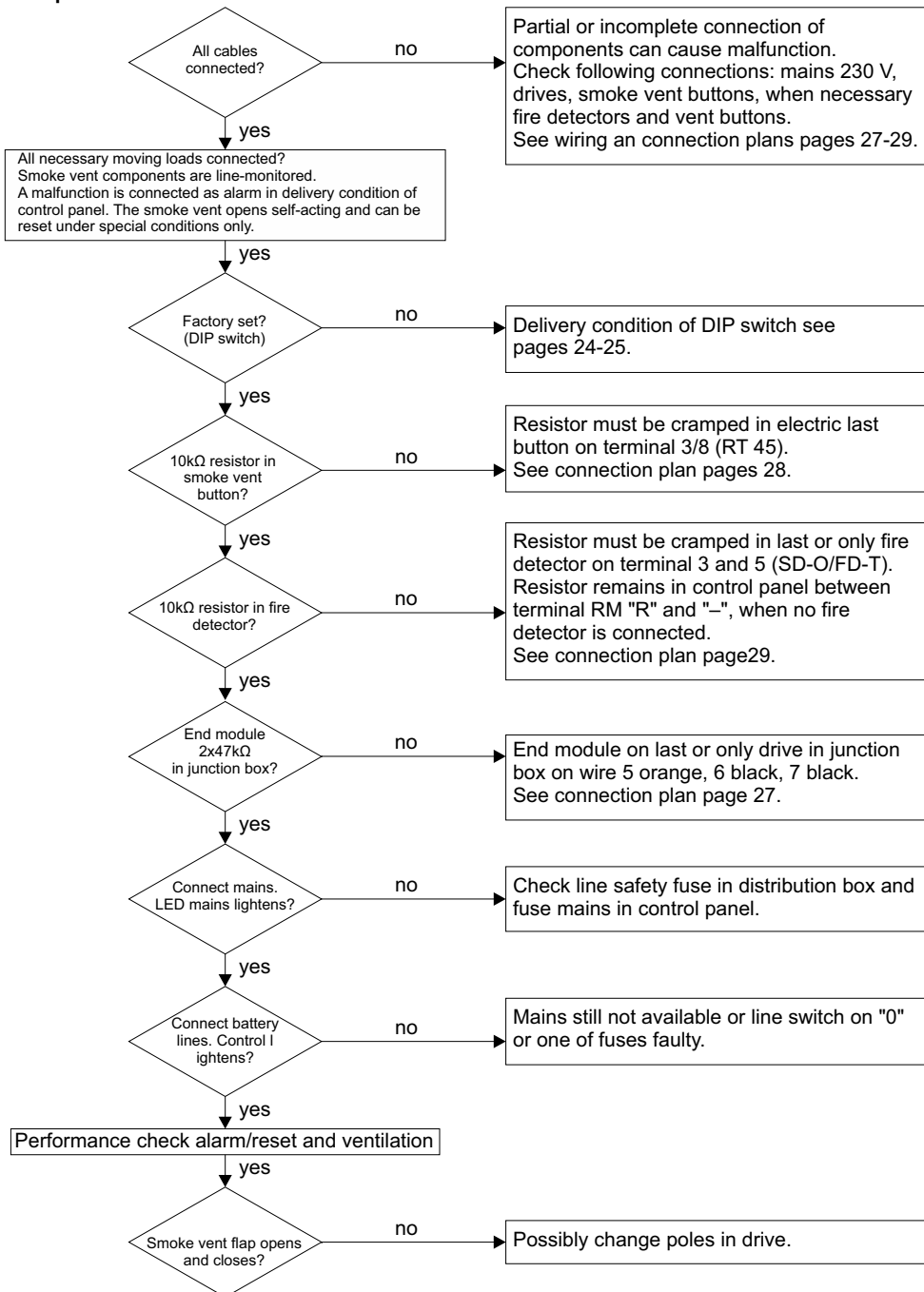
(When DIP switches S2.8 / S4.8 / S5.8 = ON)  
The smoke vents will be triggered with an OPEN-impulse every 2 minutes for a duration of 30 minutes according to VdS 2581. For this, the drives must be blockage safe. All D+H drives meet this precondition. Otherwise the DIP switches has to be switched on OFF.

### Mounting of the drives:

Please take mounting informations from the relevant instruction for use of the respective drive, because of varied possibilities for choosing drives.

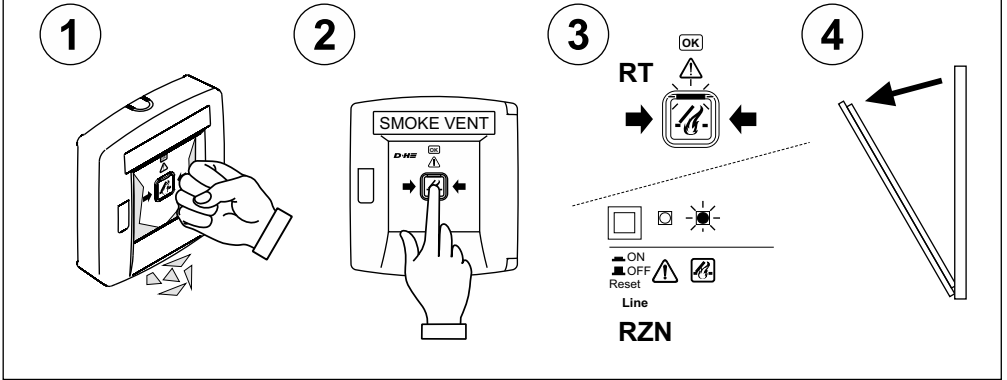
# Informations for starting

Carry out following sight and performance checks for switching-on the smoke and heat vent control panel.

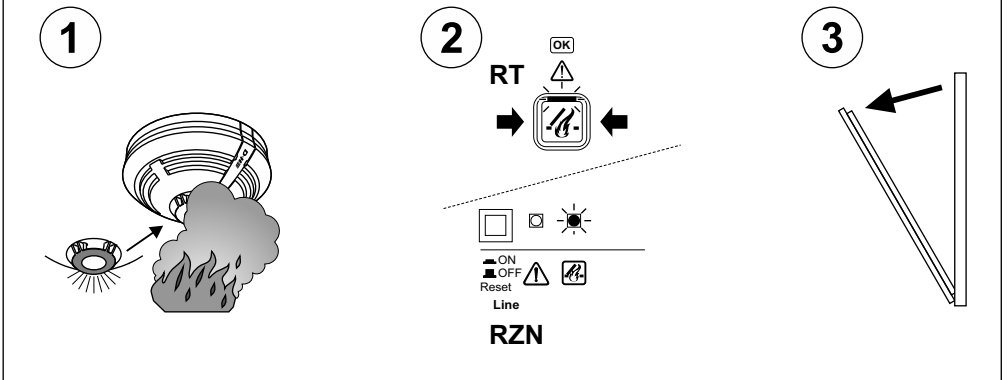


# Operation - Release in case of alarm

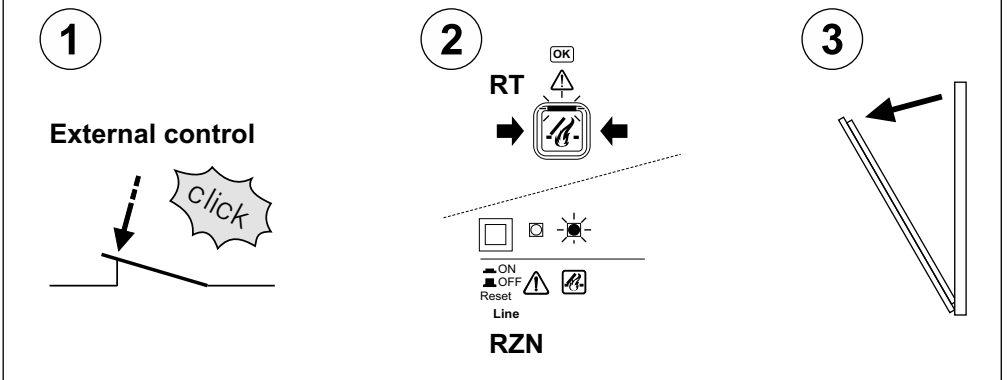
## Manual opening by smoke vent button:



## Automatic opening by fire detector:



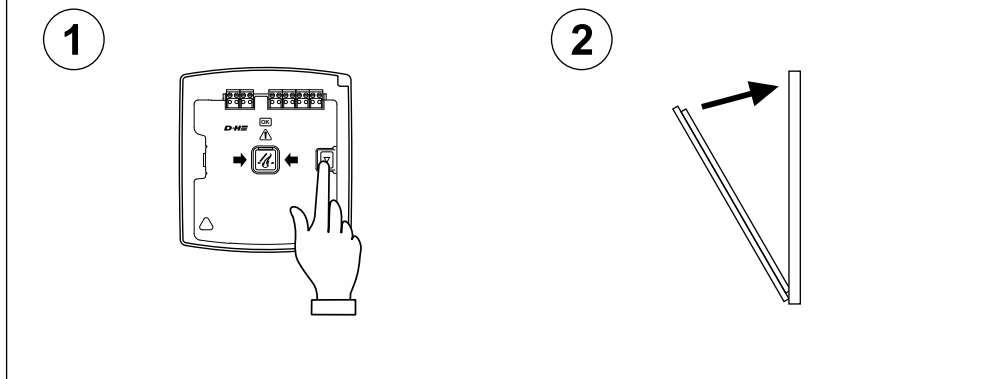
## Automatic opening by external control (e.g. fire alarm system):



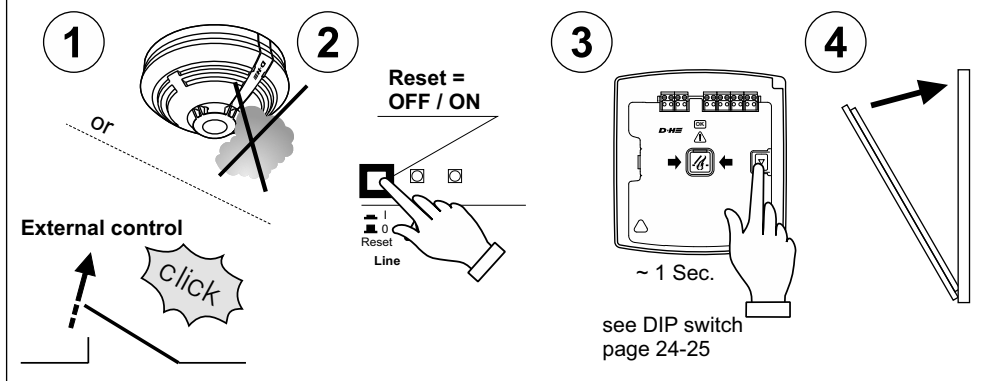
## Operation - Closing after alarm

Open the housings (control panel and buttons) using the enclosed keys.

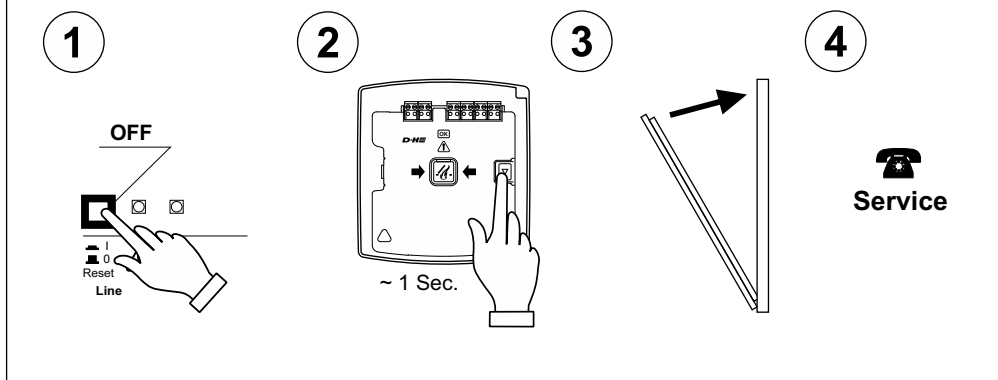
### With manual release:



### In case of automatic release by fire detector or external control:



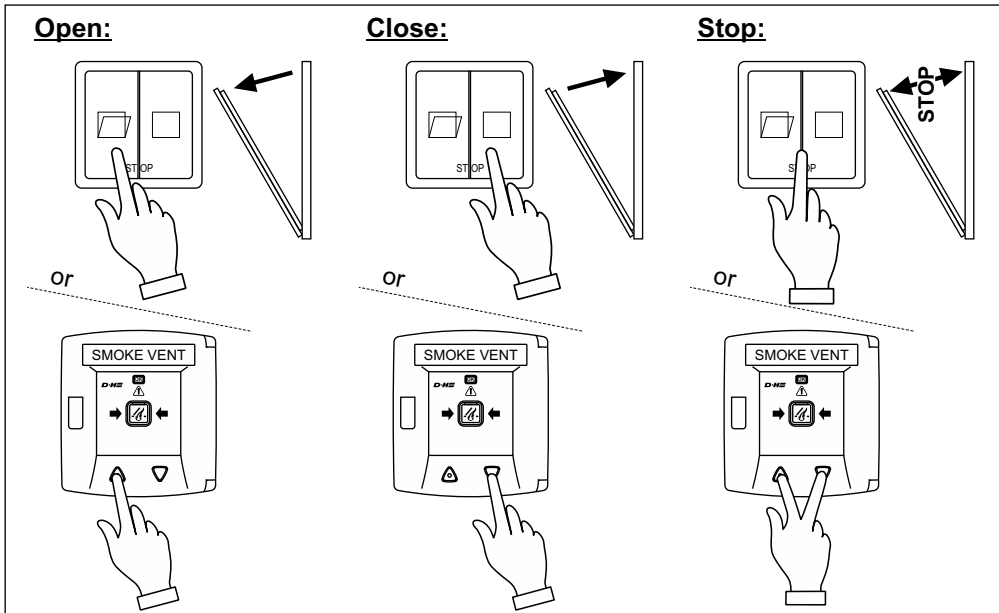
### Emergency closing in case of non-resettable alarm:





## Operation - Day-to-day ventilation

Ventilation button or SHEV button with ventilation function RT 45-LT required.



## Operation - Weather automatic

**Only if wind detector or rain detector available.**

Upon triggering of the corresponding sensor, the group of the control panel is closed.

If alarm is released by a smoke and heat vent system, the system will open also in case of wind and rain.

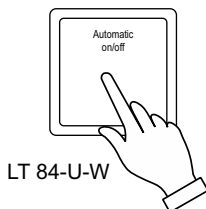
**Do not ventilate via smoke vent button, because otherwise there would be a danger of damage by wind or water.**

The weather automatic can be switched-off via an **optional automatic switch**, if gap ventilation is required in case of bad weather.

**Gap ventilation is not possible in case of bad weather, if no automatic switch available.**

If the weather automatic is switched on, the system will automatically close in case of wind or rain.

The system will not automatically open again, if wind or rain has stopped. Opening of the system for ventilation via vent button.



## Operation - AdComNet

**In case of AdComNet operation (S6.4 = ON)** the ventilation control and alarm release can be carried out by the local connected line and group inputs, as well as via corresponding links in the AdComNet Configurator. The alarm and fault indicators distinguish between a local message and a message inside a bus link:

**Malfunction LED on the line:**

- 1 Line deactivated: LED flashes
- 2 local fault: LED lights continuous
- 3 BUS fault: LED flashes
- 4 Everything OK: LED OFF

**Malfunction LED on the group:**

- 1 local fault: LED lights continuous
- 2 BUS fault: LED flashes
- 3 Everything OK: LED OFF

**Alarm LED on the line:**

- 1 local alarm: LED lights continuous
- 2 BUS alarm: LED flashes
- 3 No alarm: LED OFF

## Inspection

**Regular visual inspection between maintenance by the operator or a trained person.  
Immediately correct any defects.**

### Indicators:

- **Green LEDs** in the buttons must **illuminate**.
- **Yellow LEDs** in the buttons and the control panel are **not allowed to illuminate or flash** (fault).
- If the green LEDs do not illuminate or if the yellow LEDs illuminate or flash, contact After Sales service.

### Examination:

- Check all appliances and cable connections for outer damage and dirt accumulation.
- Fire detectors, smoke vent buttons, smoke vents and so on must not be impaired in their function by goods in storage or structural changings.

## Maintenance

**Once a year by a specialist company, who is authorized by the appliance manufacturer.**

Renew test badge, keep log book.

The respective current D+H maintenance instruction is decisive.

D+H authorized expert companies have been specially trained by D+H for carrying out expertly this maintenance, and they get automatically the latest maintenance instructions.

Following tests must be carried out in the course of maintenance:

- Outside examination / inspection of system components
- Checking of all relevant power supply units
- Functional testing of connected system components
- Record of competent carrying-out of maintenance, and designation according to directions