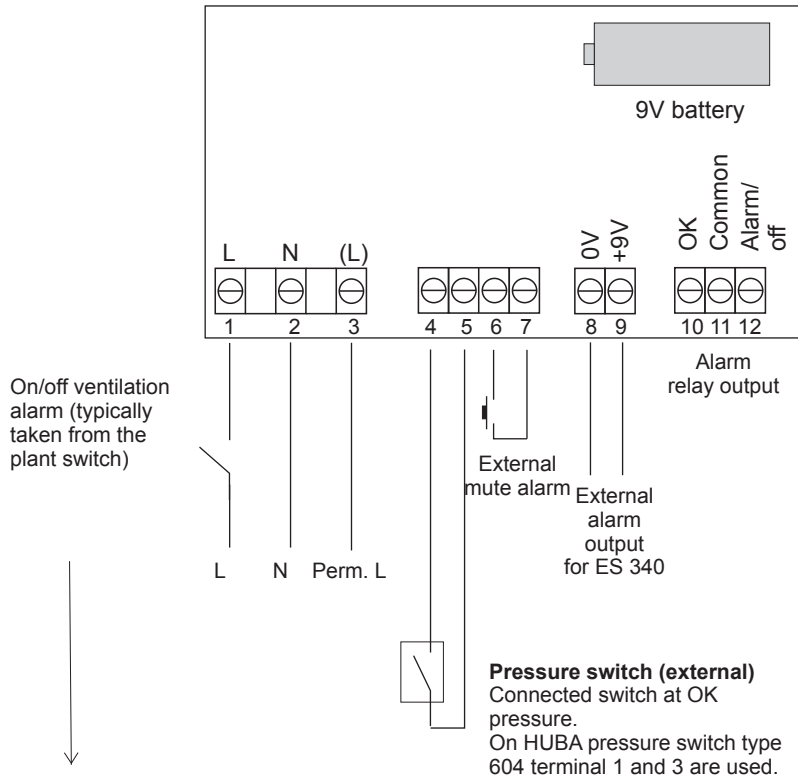


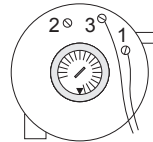
ES 332

Ventilation alarm for external pressure switch

Connection diagram:

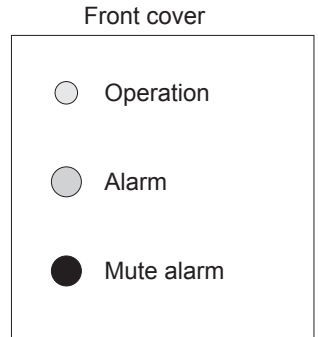


Alarm relay output:
 Pressure OK: Connected between clamps 10 and 11.
 Low pressure / alarm: Connected between 11 and 12.
 When external alarm is connected via the alarm relay, the supply is taken directly from clamp 1 and is connected to clamp 11.



MAIN SWITCH (on/off ventilation alarm)
 Typically phase L to clamp 1 is connected after the ventilation plant main switch so that the ventilation alarm is switched on/off together with the plant. N on clamp 2 and (L) on clamp 3 must be permanently connected and never be broken.

- Mounting of tube and connectors:**
1. Drill a 10 mm hole in the panel / duct.
 2. Use 2 screws to hold the nozzle in place.
 3. Mount the tube on the nozzle.



Technical data :

Supply: 230V AC 50 Hz or
 24V AC (if marked with label on clamps)
 Power consumption: 2,5 W
 Alarm relay output: Relay switch 5A, 230V AC / 30V DC
 Alarm output clamps 8 and 9: Approx. 9V, max. 25mA
 Batt. supply decreases 0,7 V at back-up alarm
 Input: Voltage free, with common voltage on 4 and 6.
 Battery: 9V 6LR61 (alkaline is recommended)
 Accessories: Battery, connector kit and 1m plastic duct is supplied with the unit
 Enclosure: IP 22
 Dimensions (HxWxD): 120 x 122 x 60 mm
 Op. temperature: 0-35 °C none condensing

Description:

Ventilation alarm for connection to external pressure switch and option for external alarm and external muting of alarm sound. The ventilation alarm is designed for monitoring of pressure in local exhaust arm or centrally in ventilation plant for monitoring of operation status. At poor ventilation the red lamp is flashing and the audible alarm is beeping. The audible alarm can be muted while the red lamp will keep flashing until the fault has been corrected. Equipped with alarm relay output for external alarm unit and external alarm output which are able to run alarm unit ES 340 directly. The alarm output (clamps 8 and 9) follows the audible alarm, i.e. it is disconnected when the audible alarm is muted. The alarm relay follows the pressure switch. The integrated 9V battery provides up to 5 hours back-up alarm in case of power failure.

Adjustment:

Choice of pressure switch determines the pressure at which the alarm is to be activated. Typically this is adjusted on the adjustment knob on the pressure switch. Note that certain pressure switches also allow for adjustment of the hysteresis.

Mounting:

The contact set on a pressure switch is connected between 4 and 5. The contact set must be connected at OK pressure. This will also activate the alarm in case of a broken wire. Clamps 2 and 3 must be permanently connected to supply. If the supply disappears from these clamps, the ventilation alarm goes into back-up alarm (power failure alarm). Typically clamp 1 is connected after the main switch (not the safety switch) for the ventilator / ventilation plant so that the ventilation alarm is turned on / off together with the ventilation. 1m tube is supplied with the unit. It is possible to use a longer tube. The battery should be changed annually.

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