



GEOVENT

INSTRUCTION MANUAL



AIRBOX LITE

pressure guard

1.0 Use of the Airbox Lite

Airbox Lite is recommended for pressure and ventilation guard with control device and alarm by Danish Working Environment Authority rules, up to 2000 Pa. for the process ventilation system.

Airbox Lite has built-in pressure switch which can be delivered in three pressure ranges:

- 20 - 300 Pa
- 100 - 1000 Pa
- 500 - 2000 Pa

The alarm function complies with Danish Working Environment Authority requirements for pressure monitoring.

Airbox Lite does not provide for:

- Battery Backup
- Siren
- External lamp
- Operation signal to the fan
- Upper pressure limit
- Pressure Control

If these functions are necessary Airbox III or MultiBox III will be used.

2.0 Installing AirBox Lite

1. Airbox Lite must be installed visible for the operators of the ventilation system operation.
2. 230V supply is mounted in terminals L and N as illustrated in the diagram.
Note: The supply must NOT be from the same group, as the monitored ventilation system.
3. The pressure tube is connected from the Airbox Lite (top outlet - close to the lid) and the ventilation duct.

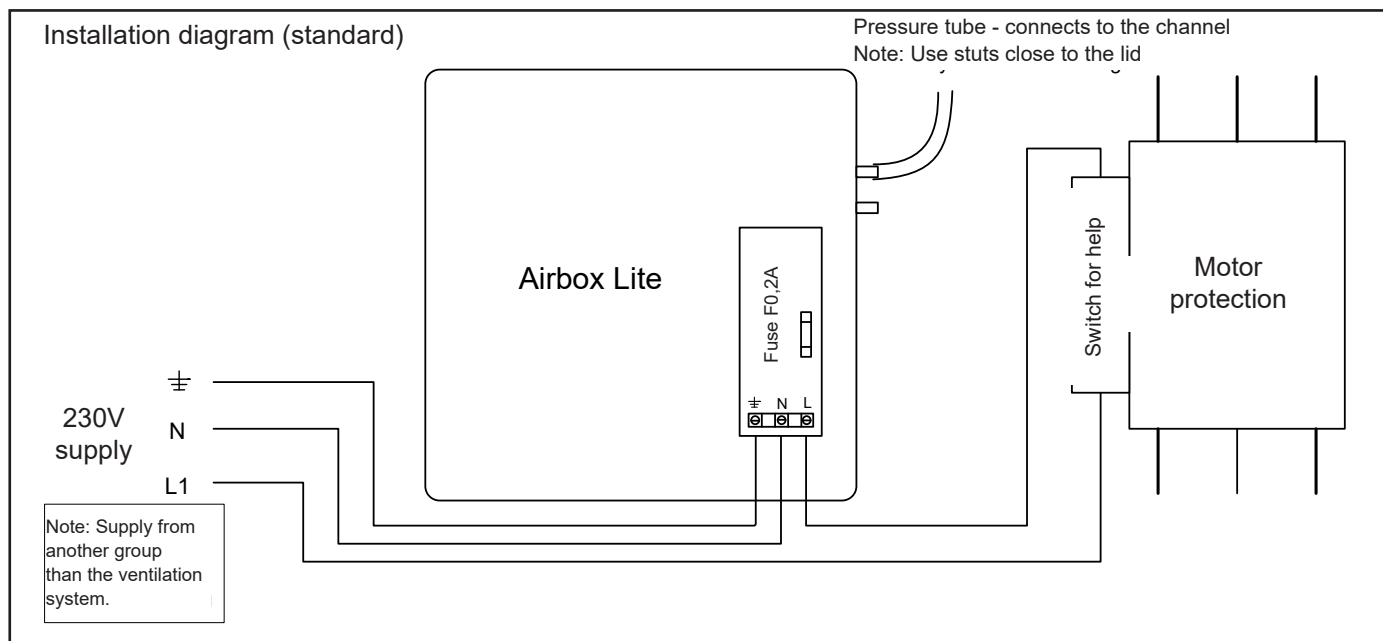
4. The desired alarm set point is set on the pressure switch (notch at the center see picture). The recommended setpoint is approximately. 20% below the operating pressure.

3.0 Function

The pressure switch has a green operation lamp. It will light up during normal operation of the ventilation system.

A red warning lamp will be activated, if the pressure falls below the set point alarm.

Note: Normally it is not necessary to connect external siren / lamp, because the built-in alarm lamp is enough. Should more than one room be monitored, then connect external siren / light - select MultiBox IV, where the connection of additional alarm is possible.



4.0 Liability

Warranty

Geovent A / S will provide guarantee for products, which are affected by errors or defects caused by poor workmanship or materials on Geovent. The guarantee includes repairing the damage (repair or exchange) up to 1 year after date of transmission. There shall be no claim against Geovent A / S for loss of earnings or operating losses as a result of errors in Geovent products.

Wear parts such as pressure hose is not covered by guarantee.

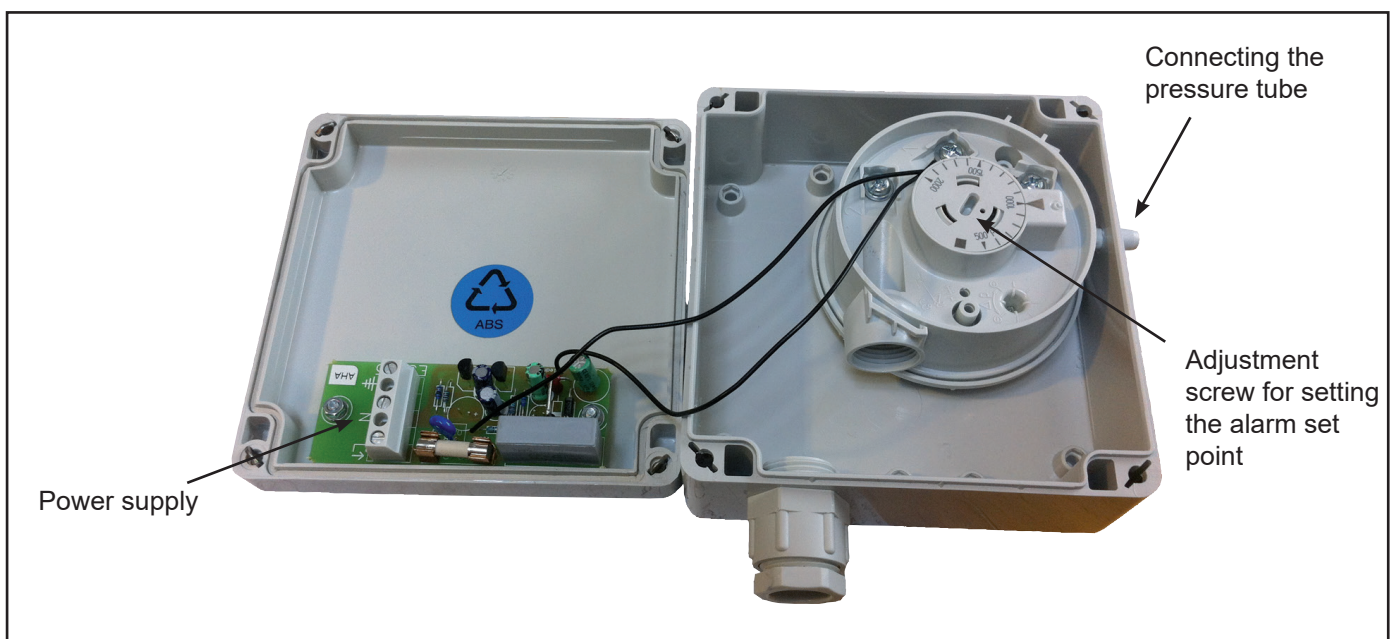
User responsibility

For Geovent to be capable of granting the guarantee, the installer must have followed this instruction manual in all respects.

Do not make any changes / design modifications the airbox Lite and on the function of this. Geovent liability ends due to changes.

Please also refer to current terms and conditions of www.geovent.dk.

Protection class: IP 22



5.0 EU-Declaration of conformity, according to enclosure IIA



GEOVENT

HOVEDGADEN 86 • DK-8831 LØGSTRUP
(+45) 8664 2211 • salg@geovent.dk

Hereby declares that:

The product: Trykvagt
Models: AirBox Lite

has been manufactured in compliance with the following directives and standards:

The directive No 2006/42/EF of 17 May 2006 on machinery from the European Parliament and the Council and on changes of directive No 95/16/EF.

EN ISO 14121-1:2007 Risk assessment – part 1

EN ISO 12100-1:2005 Basic concepts and general principles for design

EN ISO 12100-1:2009 Construction and design
Part 1: Basic terminology and methodology

EN ISO 12100-2:2005 Basic concepts and general principles for design

EN ISO 12100-2:2009 Construction and design
Part 2: Technical principles

Authorised to compile the technical dossier:

Lise Cramer

Date: 15.06.2023

Position: Direktør
Name: Thomas Molsen

Signature:

