

Commission instructions for the Fanison FL101 alarm, factory-installed in the Visu fume cupboard

System description

The alarm notifies audiovisually if the air flow is not sufficient in terms of normal working safety. In addition, this guides users to the correct use of fume cupboards and is particularly useful when the amount of exhaust air in the building is limited.

Technical information can be found in the link or in the webpage:

<https://fanison.fi/wp-content/uploads/2024/03/Fanison-FL101C12-EN.pdf>

Fanison web page -> Materials -> Brochures -> FL 101

Initial situation

The alarm is installed and calibrated at the factory (no site visit). The alarm is ready for operation as soon as the air volume is adjusted. The calibration certificate is delivered to the customer together with the cabinet.

Customer responsibility & tasks

When the fume cupboard is installed in its place of use and the ventilation and electricity are connected, the ventilation can be switched on. It is the customer's responsibility (most often the HVAC contractor) to adjust the air volume to suit the use and to verify this by measuring it from the front surface of the hood. Unless otherwise required by the use of the hood, the recommended air flow in the sash opening is 0.5 m/s with a sash opening of 30 cm.

At the same time, it must be ensured that the operating conditions are favorable for the alarm to operate. The air flow sensor of the alarm is located on the top of the fume cupboard (ca. 20-30mm white plastic pipe passing through the top plate). In practice, the requirement is that the sensor is not subject to unfavorable external air currents that could interfere with the sensor's operation. In most cases, the disturbance can be caused by the ventilation devices or air conditioning in the room, which blow above the fume cupboard. If necessary, these need to be redirected.

After the above-mentioned measures, you must finally make sure that the alarm works, i.e. when the sash is lifted open and the surface speed decreases, the alarm is triggered. The alarm limit is documented in the calibration certificate.

Archive the calibration certificate for your potential quality system audit.

Follow-up measures

If problems arise during commissioning or if you need service for the device later, you can contact Fanison Oy or our distributors.

Contact information can be found at www.fanison.fi/en/contact-us/