

1. MOUNTING THE CONTROLLER WITH EQUIPMENT

- FCLb is usually screwed to the hood.
- Measuring Probe Placement*:

*NOTE! The following probe placements are recommended starting points. Different placements or combinations may be necessary depending on the type of fume hood. Any adjustments will be evaluated during commissioning.

Hoods with Bottom and Top Air Slots:

Install the included measuring probe HORIZONTALLY, see *illustrations 1M and 2M* for guidance. The probe should be mounted so that the measurement holes point DIRECTLY INTO the hood space TOWARD the back.

Hoods with Top Half Air Slots Only: Mount the measuring probe VERTICALLY on the sidewall of the fume hood, about 5 cm from the corner. Direct the three measurement holes on the probe so that they point DIRECTLY INTO the back of the fume hood, see *illustration 3M*.

- Measuring Probe Connection: Drill a circular hole (Ø 9 mm) on the top of the fume hood for the tube to pass through to the measuring probe.
- Fume Hood Monitor FLOCHECK V is used as the panel for the FCLb. The monitor is mounted in or on the fume hood. See the FLOCHECK V installation instructions.
- The FCLb is prepared for the connection of the EFK interlock box. EFK is an optional accessory ordered separately. For mounting and connection of the EFK, refer to its installation instructions.

ELFÖRREGLING via EFK:
RELÅ på regulatorn ställt till 24VAC
**230 VAC FÅR INTE
ANSLUTAS DIREKT PÅ REGULATORN**
EFK (Elförreglingskontaktor)

Pay attention to the warning text on the FCLb enclosure.

Equipment Placement

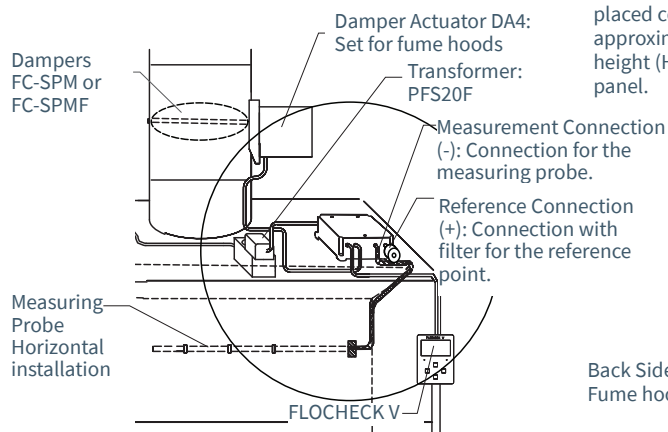


Illustration 1M. FCLb mounted on the fume hood with connected equipment.

Measuring Probe:
Horizontal installation
placed centered at
approximately 1/2 the
height (H) of the front
panel.

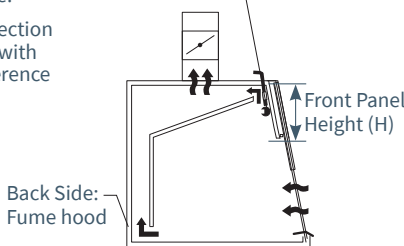


Illustration 2M. Fume hoods with bottom and top air slots: Place the measuring probe horizontally with the measurement holes pointing directly into the hood towards the back.

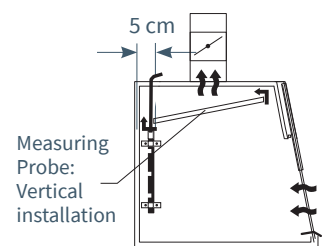


Illustration 3M. Fume hoods with top air slots only: Place the measuring probe vertically with the measurement holes pointing directly into the hood towards the back.

2. FUME HOOD MONITOR FLOCHECK V: MOUNTING

- Determine the appropriate working height from the floor for the panel installation.
NOTE: The distance from the FLOCHECK V to the connected controller must not exceed the length of the cable. The maximum cable length is 2.8 meters.
- FLOCHECK V is typically mounted on the fume hood as shown in illustration M1, with either surface-mounted or hidden cabling. See the ordering options FU and FB below.

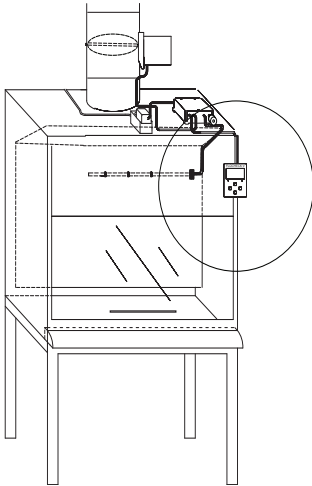
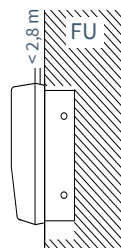
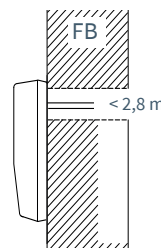


Illustration M1: FLOCHECK V mounted on the fume hood.

Illustration M2. FLOCHECK V can be ordered with the cable connected to the top edge of the panel (FU) or as a variant with the cable connection through the back (FB). Variant FU can be ordered with a mounting bracket for edge mounting on the hood.



FU:
Variant for surface-mounted cabling



FB:
Variant for through-mounted cabling

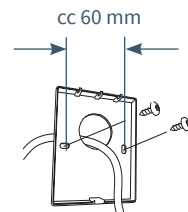


Illustration M3. Direct wall/panel mounting.

3. CONNECTIONS: FCLb

NOTE: Connection markings are on the inside of the lid.

- Use wire cutters to open the appropriate outlet for the cabling in the controller's box.
A: Cut x 2 in the outlet
B: Bend back and forth/break off
(Cut/clean outlet with wire cutters)
- Connect the equipment.

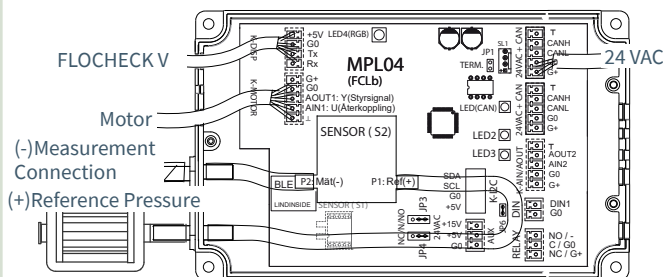
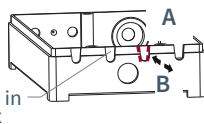


Illustration 11. Connections on the FCLb with marked terminal for the EFK interlock contactor.

4. COMMISSIONING

Commissioning the FCLb requires on-site air velocity calibration and a good understanding of the conditions and methodology to achieve safe and stable operation. The commissioning process for fume hoods with FCLb is described in a separate commissioning instruction.