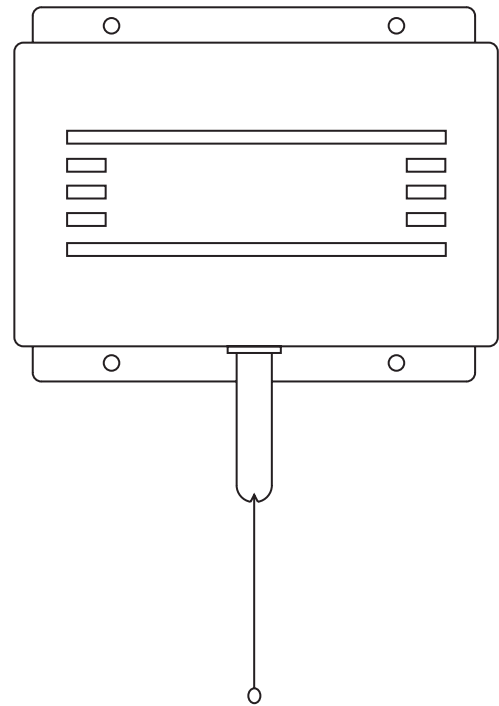


FHL 95

FUME CUPBOARD SASH POSITION SENSOR

The sash position sensor FHL95 is used as an accessory in the FHR210/310 fume cupboard control. With the help of the position sensor, the FHR210/310 controller receives the amount of exhaust air in the hood in m^3/h as output data. In addition, the adjustment reacts significantly faster to changes in the sash's position.



Dimensions: 115 x 90 x 70
(L x B x H)

TECHNICAL INFORMATION

Operating voltage	5 VDC (from controller FHR 210/310)
Power consumption	25mW (0.5mA)
Measurement range	0-1.2 meters
Wire angle	From horizontal 0-90 degrees
Outgoing message	0-5 VDC
Encapsulation	Plastic white IP44

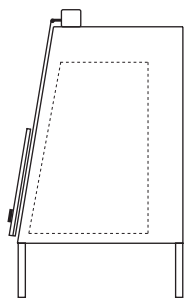
INSTALLATION

Glue the round wire clip to the glass. (3M Scotch glue, Glass/metal glue)

If the cable is attached to the counterweight, a hole (M4) can be drilled and threaded directly into the counterweight.

After the cable has been adjusted and tightened according to the instructions below, attach the white cover to the cable lock.

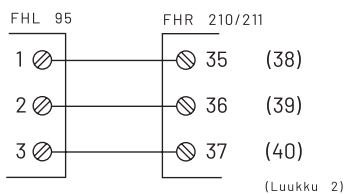
Alt. 1



Wire caught in the glass sash. Position sensor mounted up on the wall or ceiling.

Program it FHR 210/211:
SASH POT.
SASH 1:1
1 SASH POT.

COUPLING



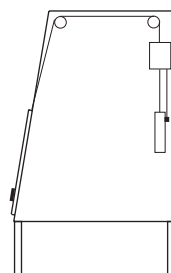
ADJUSTMENT

Install the cable so that the red mark on the cable is visible through the hole when the sash is open 10 cm.

Alternatively, 0.5 V can be adjusted to terminals 1-3 when the sash is open 10 cm. The controller FHR 210/211 must then be energized.

Formula for calculating the output voltage of the position sensor with different door openings; Voltage (V) = (Hatch opening in meters x 3.89 + 0.11)

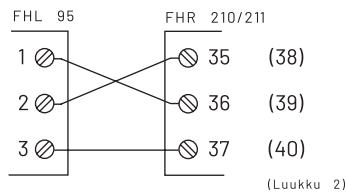
Alt. 1



Wire in counterweight. The position sensor is installed on the back wall of the fume cupboard.

Program it FHR 210/211:
SASH POT.
SASH 1:1
1 SASH POT.

COUPLING

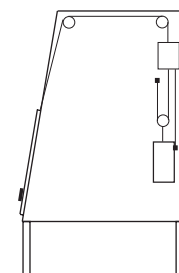


ADJUSTMENT

Install the wire so that the voltage in terminals 2-3 is 0.5 V when the sash is 10 cm open.

The controller FHR 210/211 must be energized.

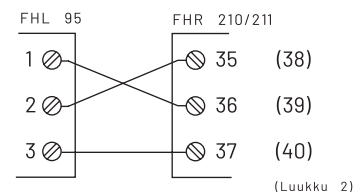
Alt. 1



The cable attached to the counterweight. Position sensor mounted on the back wall.

Program it FHR 210/211:
SASH POT.
SASH 1:1
1 SASH POT.

COUPLING



ADJUSTMENT

Install the wire so that the voltage in terminals 2-3 is 0.25 V when the door is 10 cm open.

The controller FHR 210/211 must be energized.

The previous formula divided by two.