

IR 50

PRESENCE DETECTOR FOR CONTROLLER FHR 310

The presence sensor IR 50 is intended to be installed in a fume cupboard or on the ceiling to detect the presence of an employee in the near of the fume cupboard.

By connecting the IR 50 to the fume cupboard controller FHR 310, the reduced exhaust air flow "ECONOMIC" can be used. The IR 50 switches the "NORMAL" exhaust air flow back on immediately when an employee comes near the fume cupboard.

The economic function switches on automatically after the set time when the employee leaves the near of the fume cupboard.



Dimensions: 85 x 50 x 80 (mm)

TECHNICAL INFORMATION

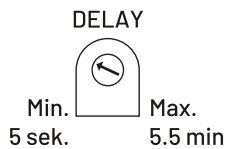
Operating voltage	20 VDC (from FHR 310)
Power consumption	1 VA
Area of operation	max. 5 meters
Operating angle	100° horizontal plane 60° vertical plane
Delay time	5 s - 5 min (settable)
Outgoing message	Voltage (5VDC) motion detection
Encapsulation	Powder-coated steel, IP 40 (IP 44 on order)

ADJUSTMENT

Adjust the delay time of the IR sensor by removing the frame of the front plate of the sensor.

Use a screwdriver to adjust the potentiometer.

Min. = 5 sec Max. = 5.5 min.

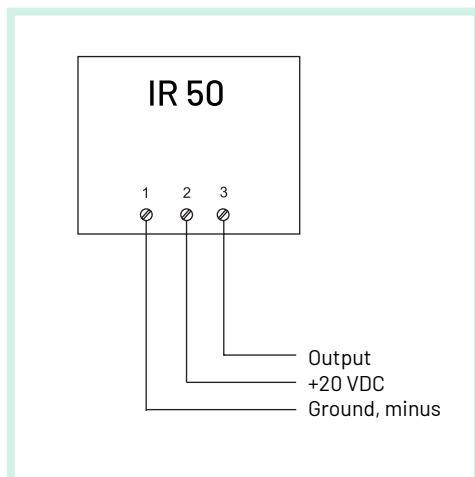


The IR sensor can be forced to the “Economic” position or the “Normal” position with the service switch to facilitate the checking and measurement of the air flows in the fume cupboard.

Forced status



CIRCUIT DIAGRAM



INSTALLATION EXAMPLE

