

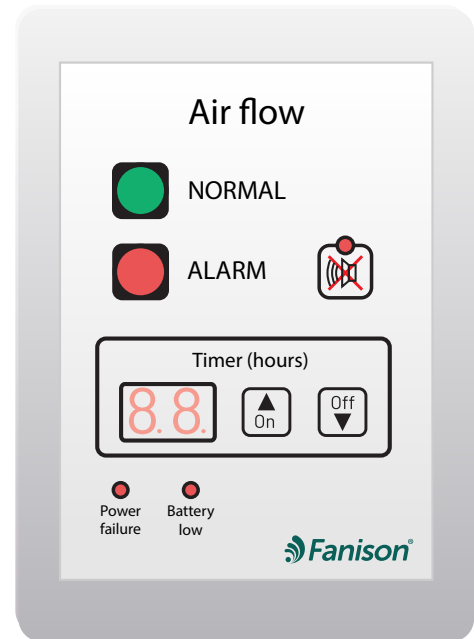
AVC 80

TARGET EXHAUST CONTROLLER

The AVC 80 controller is intended to monitor and adjust air flow in the duct, e.g. in targeted exhausts, suction beds and fume cupboard exhausts.

An ECV damper that measures and adjusts the air flow speed or an AVC 80V or AVC 82V that only measures the air flow speed can be connected to the controller.

- Alarm of too little air flow with light and sound signals.
- Relay output for alarm or run information
- The limits and delays of sound and relay alarms can be adjusted
- Remote control for set value, shutdown, alarm
- Shutter/control damper timer and open/close control panel
- Battery-backed alarm operation (B)
- Adjustment message 0-10 V/ 0-20 mA to adjust the constant air flow
- The minimum air flow can also be set if necessary



Dimensions: 110 x 75 x 37 (H x W x D)

TECHNICAL INFORMATION

Operating voltage	24 VAC ±15%, 50-60 Hz
Connection power	6 VA (AVC 80V)
Measuring range/standard air volume	0.1...9.9 m/s or 0.1...19.9 m/s (AVC 82V)
Minimum constant air flow	0...9.9 m/s or 0.1...5 m/s
Alarm delay, light/sound	0-99 sec.
Alarm delay, relay	0.1-30 min.
Output	Relay 2 pcs (max. 30 VDC/1A) alarm, status information Damper control 0-10 V or 0-20 mA
Messages	Normal operation - green light Alarm - red light (+ beep) Power failure - red light (+ buzzer) Battery failure - red light (+ beep) Switched off by remote control - red light
Operating temperature	0-50°C
Air humidity	max 90% RH
Housing	White ABS plastic, IP 42
Battery	1.2 V NiMH (alarm max. 8 hours)
The distance of the screen from the sensor	max 10 m
Sensor installation depth	30-80 mm

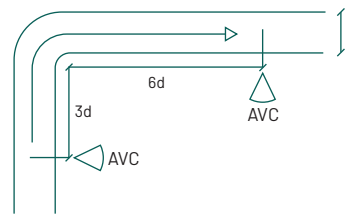
INSTALLATION

Install the sensor in the exhaust air duct of the equipment to be monitored/regulated, observing the enclosed safety distances. The display unit is installed in such a way that the indicator lights are visible to the user as clearly as possible.

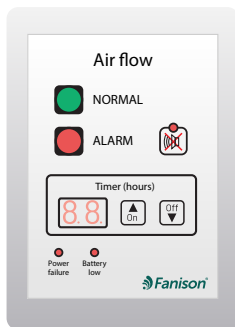
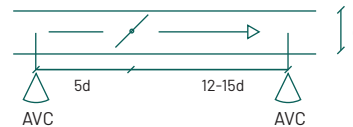
ADJUSTMENT

Adjust and program the desired parameters according to the separate instructions.

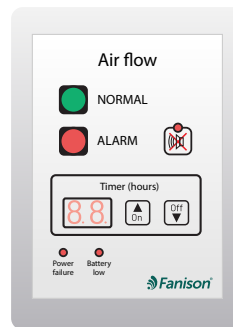
CURVE



ADJUSTMENT DAMPER

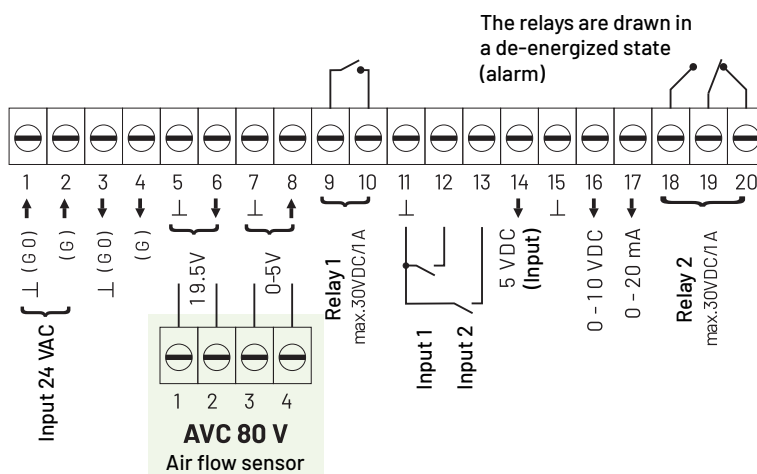


AVC 80



AVC 80 V / AVC 82 V

CIRCUIT DIAGRAM



CONNECTORS

- 1-4 Input, 1 & 3, 2 & 4 are interconnected.
- 5-8 Air flow sensor.
- 9-10 Relay output 1, max. 30VDC / 1A
- 11-13 An input used for alarm activation, remote closing, setpoint 2 to setpoint 3 or changing an external setpoint (0-5V).
- 14 5 VDC input output, can be used as a potentiometer input to an external setpoint module.
- 15-17 An output (voltage or current) that can be used to control the damper motor, air volume control, speed control and a fixed output.
- 18-20 Relay output 2, max. 30VDC / 1A replacement tips