

One-part sensor for controlling air and gaseous flows with integrated evaluation electronic. The air flow controller is mounted into the flow to be controlled as a stationary sensing unit with the flange or a M32 (PG 21) union. The calorimetrically working unit with integrated evaluation electronic offers maintenance-free operation.

Technical Data

Type	Art.-No.	Connection technology
FKM 130.52	8019A	115 V AC n. c.
FKM 130.53	8020A	115 V AC n. o.
FKM 130.82	8022A	230 V AC n. c.
FKM 130.83	8023A	230 V AC n. o.
Adjusting range	1 - 10 m/s	
Set limit value	3 m/s	
Response time	max. 15 s	
Starting time	3 min	
Load current max.	0,5 - 300 mA	
Short circuit protection	no	
No load current	20 mA	
Voltage drop	6 V	
Switching hysteresis	max 30 %	
Ambient temperature	-10 to +60 °C	
Protection class	IP 65	
Connection	2 m cable	
Function display	LED	
Housing material	plastic	

The value of 3 m/s adjusted in the factory is preferred in the branches of building technology and constructional engineering, however it can be set subsequently to values between 1 and 10 m/s.

After applying the supply voltage the FKM 130 needs a start-up time delay of 3 minutes. After this delay the switching output indicates the real condition of flow. The normally open version switches through and the LED gives light when the limit value for flow is exceeded and opens if the flow falls below the set value (inverse behaviour of normally close versions).

A mounting flange is included in the scope of supply. Alternatively suitable clips or a M32 (PG 21) cable union can be used for pressure-tight assembly. The sensor must protrude approx. 25 mm (1 inch) into the air duct. The ceramic vane should be parallel to the air flow. Small deviations in vane orientation do not affect operation. Quick changes of temperature can result in misswitchings for a short time.

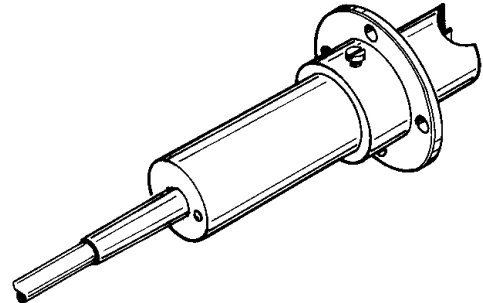


Diagram of Connections

