SL – airflow switch

For applications in ventilation and air conditioning systems



The appearance of the product may differ from the illustration. Technical specifications are subject to change.

SL SERIES

APPLICATION

Air or non aggressive gases flow control.

Alarm signal for flow shortage (safety switch).

APPLICATIONS

Well-suited in air ducts, air conditioning and air handling systems.

Type	Min. cut-out setpoint value [m/s]	Min. cut-in setpoint value [m/s]	Max. cut-out setpoint value [m/s]	Max. cut-in setpoint value [m/s]	Max. air temp. [°C]
SL1E	1.0	2.5	8.0	9.2	85
	Accessories	DBZ-08 - Stainless steel AISI 301 paddle for air flow switch			

Technical specifications

Contacts:	dust-tight microswitch with SPDT contacts (n.c./n.o.)
Switch capacity:	15 (8) A, 24...250 V_{AC}
Working conditions:	-40...+85°C 10... 90 % rH
	(non condensing)
Internal duct temperature:	-10...+85°C
Lever:	Brass
Paddle:	stainless steel AISI 301
Housing:	base in ABS, PC transparent cover
Storage:	-40...+85°C
	< 95% rH
Protection:	IP65, class 1
Dimensions:	140x62x65 mm
Weight:	630 g

REMARK

The units are calibrated at the minimum switch-off value. A higher value can be adjusted by turning the range screw clockwise. Due to the risk of fracture at air speed higher than 5 m/s the paddle must be cut off on the marked side. When the paddle is cut off, the minimum cut-out value increases from 1 m/s to 2,5 m/s.

Straights zones should be provided for a length of 5 x diameter upstream and downstream the location of installation to avoid air swirl and paddle instability.

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ELECTRICAL WIRING

Connect to red and to white terminals (Fig. 1).
The contact red-white opens when the flow drops below the set level.
When the flow is missing the contact red-blue closes and can be used as a signal or alarm contact.

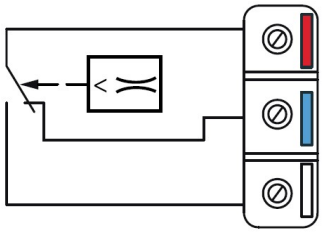
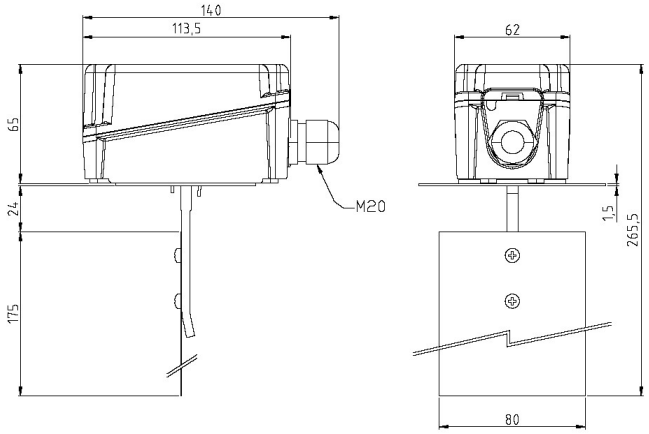


Fig. 1
Diagram during flow.

DIMENSIONS [mm]



Due to continuous product improvement, specifications are subject to change without notice.

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