



AIR FLOW SWITCHES

SL

FUNCTION

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 VALUE m/s	MIN. CUT-IN VALUE m/s	MAX. CUT-OUT VALUE m/s	MAX. CUT-IN 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 FEATURES

Contacts:	dust-tight microswitch with SPDT contacts (n.c./n.o.)
Switch capacity:	15 (8) A, 24...250 Vac
Working:	-40...+85 °C 10...90% r.h. (without condensing)
Internal duct temperature:	-10...+85 °C
Level:	brass
Paddles:	stainless steel AISI 301
Housing:	Base in ABS, transparent PC cover
Storage:	-40...+85 °C < 95% r.h.
Protection:	IP65, class I
Size:	140 x 62 x 65 mm
Weight:	630 g

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.

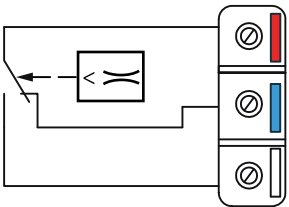


fig. 1
Diagram during flow.

NOTE

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.

WIRING DIAGRAM

DIMENSIONS (mm)

