



AIR FLOW SWITCHES

SL

FUNCTION

Air or non aggressive gase flow control.
Alarm signal for flow shortage.

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				

Note: the flow switches are supplied with paddles model DBZ-08
the value indicated on schedule have been measured with the flow switch mounted on horizontal position.

TECHNICAL DATA

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
Body: brass
Paddles: stainless steel AISI 301
Housing: Base in ABS, transparent PC cover
Storage: -40...+85 °C
 < 95% r.h.
Protection: IP65, class I (only casing, external side duct)
Size: 265 x 140 x 100 mm
Weight: 630 g

WIRING DIAGRAM

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.

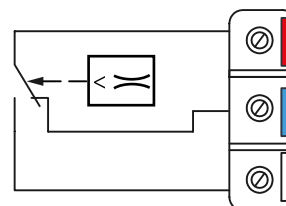


fig. 1

NOTE

The flow switch may be installed in every position duly orientated on stream.
 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.

Diagram during flow.

DIMENSIONS (mm)

