

Air Flow switches RIV100

Function

Air or non aggressive gas 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
RIV1001E/RL	1.0	2.5	8.0	9.2	85
Accessories	DBZ-08 - Stainless steel AISI 301 paddle for air flow switch				

Tecnical Data

Contacts	dust-tight microswitch with SPDT contacts (n.c./n.o.)	
Switch capacity	24...250 Vca 15 (8) A	
Working	-40...+85 °C	10...90% u.r. (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% u.r.
Protection	IP65 class I (only casing, external side duct)	
Size	140 x 62 x 65 mm	
Weight	630 g	



Note

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

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.

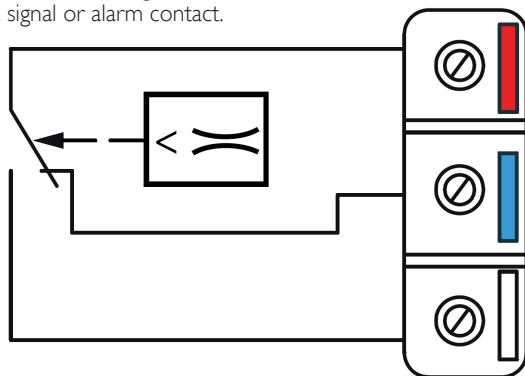


fig. 1 Diagram during flow

Dimensions (mm)

