Airflow control

11016470
RMA Ø 125 - 50 m3/h 230 V

The RMA associated to an MR covers a peak air needs by switching from a minimum airflow to a maximum airflow and adapting to the conditions of the room.

PRODUCT BENEFITS

- energy savings: dual-airflow solution to adapt to presence in room,
- ready to install: no adjustments required,
- low noise level.

Principles of operation

The RMA damper contains an MR which enables stable control of the airflow. If the RMA is triggered, the damper opens to enable another MR located further away in the circuit to adapt in turn. In this way, the airflow is switched from low to high.

Produktbeskrivelse

The RMA is associated with an MR to act as a dual-airflow controller to ensure stable airflow levels. When triggered by a switch, a clock or BMS signal, a thermal actuator will close the damper to pass from minimum airflow to maximum airflow and adapt to room occupancy to ensure good IAQ, high comfort and optimised energy consumption.

Fields of application

Multi-occupancy residential housing, Individual residential housing, New, Refurbishment, Non-residential buildings

Installation

- directly installed between two circular ducts,
- installation direction indicated on component,
- 230 V power supply required,
- the RMA must not be activated for more than 24 hours continuously,
- for connection with e.g. timer switch ref. 11022008
- the RMA D200 + RCC enables a D125 or D160 connection (supplied with 2 RCC)
- Note: the RMA must not be activated for more than 24 hours continuously

Reference arguments

- Plastic body, M1 fire rating.
- Silicone control membrane.
- Boost airflow activated by thermal piston.
- Base airflow set between 50 and 250 Pa.
- Airflow tolerance: - Q average = Q nominal +/- 5 m³/h for MR ≤ 50 m³/h, - Q average = Q nominal +/- 10% for MR • 50 m³/h.
- Possible to control boost airflow by adding an MR upstream. CAUTION:
- Single-piston RMA must not be continuously powered for more than 24 hours.
- Connect their power supply to a timer switch.
- 2-piston RMA: may be continuously powered for over 24 hours only if each piston is not powered for 24 hours consecutively.

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Main characteristics

- plastic body M1 fire protection rating,
- silicone control membrane,
- boost airflow activated by thermal piston,
- airflow tolerance:

- Q average = Q nominal +/- 5 m3/h for MR ≤ 50 m3/h,
- Q average = Q nominal +/- 10% for MR • 50 m3/h,

- possible to control boost airflow by adding an MR upstream,
- base airflow set according to a pressure range between 50 and 250 Pa
- operating temperatures: 0 / +50°C
- Caution, must not be powered for more than 24 hours continuously.

Accessories

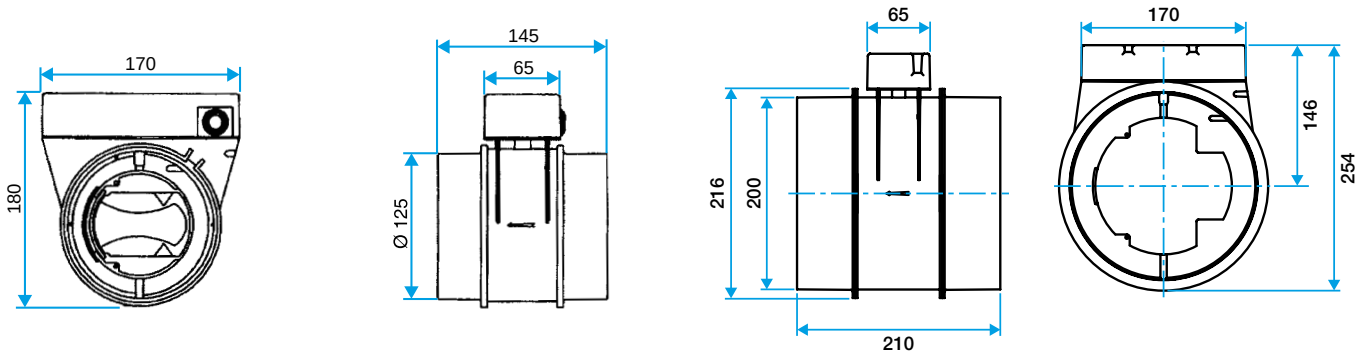
Description	Variants
Timer switch 0-1 hr	11022008

General data

Variants	Airflow accuracy
11016470	+/- 5 m³/h

Dimensional data

Variants	A (mm)	E (mm)	H (mm)	L (mm)	Ø B (mm)	Rated Ø duct (mm)	Weight (kg)
11016470	170	65	180	145	133	125	0,69



Airflow data

Variants	Airflow (m³/h)	Pressure range (Pa)
11016470	50	50-250

Regulatory data

Variants	Fire protection rating
11016470	M1

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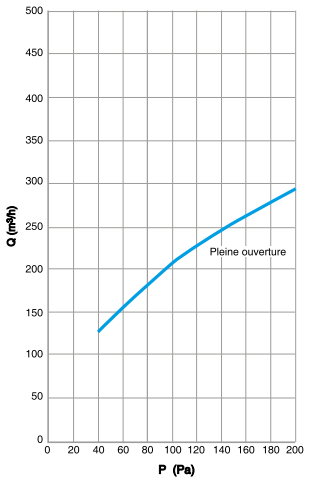
Curve



Aeraulic curves established in accordance with standard NF-X 10.237