











RETROFIT KITS

FOR VARIABLE VOLUME FLOWS OR V_{MIN}/V_{MAX} SWITCHING IN ROOM AIR CONDITIONING SYSTEMS

Actuators and installation accessories for mechanical self-powered CAV controllers Type EN, RN, or VFC, and flow adjustment dampers Type VFR

- Parts kits for easy retrofit
- Potentiometer or mechanical stops
 Supply voltage 24 V AC/DC or 230 V AC
 Control input signal: Signal voltage 0 10 V for modulating
- actuators • Control input signal: 1-wire control or 2-wire control (3-point) for
- Positive lock connection with CAV controller or flow adjustment
- damper

Optional accessories for Types RN and EN

Auxiliary switch with adjustable switching points, for example for

Application

Application

Parts kits for the retrofit of mechanical self-powered volume flow controllers or flow adjustment dampers with actuators.

CAV controllers Type EN or RN, as well as for VFC

- Min/Max switching of volume flow setpoint values
- Variable adjustment of volume flow rate setpoints

Flow adjustment dampers Type VFR

• Min/Max change of the damper blade position

Description

Parts and characteristics

- Damper blade can take various positions
 Mechanical stops or potentiometers (only for Types VFC and VFR) to set the volume flow rates
 Supply voltage 24 V AC/DC or 230 V AC
- Switching between setpoint values or signal voltage range0 10 V DC

ТЕХНИЧЕСКА ИНФОРМАЦИЯ

Actuators for volume flow controllers Type RN or EN

| Part number | Quality | Supply voltage | Model | Identical to attachment |
|--------------|--|----------------|------------|----------------------------|
| NR-VAV-B50 | Min/Max switching, mechanical stops | 24 V AC/DC | LMA24-F | B50 |
| NR-VAV-B60 | Min/Max switching, mechanical stops | 230 V AC | LMA230-F | B60 |
| NR-VAV-B70 | Variable adjustment, mechanical stops | 24 V AC/DC | LMA24-SR-F | B70 |
| NR-VAV-S2 | Auxiliary switch | | S2A | B*2 |
| NR-VAV-RNMAT | Installation accessories for RN | | | |
| NR-VAV-ENMAT | Installation accessories for EN | | | |

Installation accessories for CAV controllers Type EN or RN are to be ordered separately

Retrofit kits for min/max switching or for the modulating adjustment of mechanical self-powered volume flow controllers in ventilation and air conditioning systems.

Retrofit kits for EN, RN, VFC, VFR

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| Betrofit kit For Types RN and EN NR-VAV-B50 Retrofit actuator for min/max switching, identical to attachment B50 NR-VAV-B60 Retrofit actuator for min/max switching, identical to attachment B60 NR-VAV-B70 Retrofit actuator for variable adjustment, identical to attachment B70 NR-VAV-B70 Retrofit actuator for variable adjustment, identical to attachment B70 NR-VAV-S2 Retrofit actuator for variable adjustment, identical to attachment B70 NR-VAV-S1 Installation accessories for RN NR-VAV-ENMAT Installation accessories for EN For Types VFC and VFR NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E02 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M01 Retrofit actuator for variable adjustment, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 | NR-VAV-B50 | | | | |
|---|----------------|---|--|--|--|
| For Types RN and EN NR-VAV-B50 Retrofit actuator for min/max switching, identical to attachment B50 NR-VAV-B60 Retrofit actuator for min/max switching, identical to attachment B50 NR-VAV-B70 Retrofit actuator for variable adjustment, identical to attachment B70 NR-VAV-B70 Retrofit actuator for variable adjustment, identical to attachment B70 NR-VAV-S2 Retrofit actuator for variable adjustment, identical to attachment B70 NR-VAV-RNMAT Installation accessories for RN NR-VAV-F01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E02 NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E02 NR-VAV-E03 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-E04 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-E03 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-W01 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 | | di di | | | |
| NR-VAV-B50 Retrofit actuator for min/max switching, identical to attachment B50 NR-VAV-B60 Retrofit actuator for min/max switching, identical to attachment B60 NR-VAV-B70 Retrofit actuator for win/max switching, identical to attachment B70 NR-VAV-B70 Retrofit actuator for win/max switching, identical to attachment B70 NR-VAV-B7 Retrofit actuator for win/max switching, identical to attachment B70 NR-VAV-RNMAT Installation accessories for RN NR-VAV-ENMAT Installation accessories for EN For Types VFC and VFR NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E02 Retrofit actuator for min/max switching, identical to attachment E02 NR-VAV-E03 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 | 1 Retrofit kit | | | | |
| identical to attachment B50 NR-VAV-B60 Retrofit actuator for min/max switching, identical to attachment B60 NR-VAV-B70 Retrofit actuator for variable adjustment, identical to attachment B70 NR-VAV-S2 Retrofit auxiliary switch, identical to attachment B72 NR-VAV-RNMAT Installation accessories for FIN NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E02 Retrofit actuator for min/max switching, identical to attachment E02 NR-VAV-E03 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-E03 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-E03 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M04 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M04 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M04 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M04 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M04 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M04 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M04 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M05 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M05 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M05 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M05 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M05 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M05 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M05 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M05 Retrofit actuator for min/max switching, identical to | For Types | RN and EN | | | |
| identical to attachment B60 NR-VAV-B70 Retrofit actuator for variable adjustment, identical to attachment B70 NR-VAV-S2 Retrofit auxiliary switch, identical to attachment B*2 NR-VAV-ENIMAT Installation accessories for EN NR-VAV-ENIMAT Installation accessories for EN For Types VFC and VFR NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E02 Retrofit actuator for min/max switching, identical to attachment E02 NR-VAV-E03 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, | NR-VAV-B50 | | | | |
| identical to attachment B70 NR-VAV-S2 Retrofit auxiliary switch, identical to attachment B*2 NR-VAV-RNMAT Installation accessories for RN NR-VAV-ENMAT Installation accessories for EN For Types VFC and VFR NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E02 Retrofit actuator for variable adjustment, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 | NR-VAV-B60 | | | | |
| attachment B*2 NR-VAV-RNMAT Installation accessories for RN NR-VAV-ENMAT Installation accessories for RN For Types VFC and VFR NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E02 Retrofit actuator for variable adjustment, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 | NR-VAV-B70 | | | | |
| NR-VAV-ENMAT Installation accessories for EN For Types VFC and VFR NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E02 Retrofit actuator for min/max switching, identical to attachment E02 NR-VAV-E03 Retrofit actuator for variable adjustment, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 | NR-VAV-S2 | | | | |
| For Types VFC and VFR NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E02 Retrofit actuator for min/max switching, identical to attachment E02 NR-VAV-E03 Retrofit actuator for variable adjustment, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 | NR-VAV-RNMAT | Installation accessories for RN | | | |
| NR-VAV-E01 Retrofit actuator for min/max switching, identical to attachment E01 NR-VAV-E02 Retrofit actuator for min/max switching, identical to attachment E02 NR-VAV-E03 Retrofit actuator for variable adjustment, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment E03 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, identical to attachment M01 | NR-VAV-ENMAT | Installation accessories for EN | | | |
| identical to attachment E01 NR-VAV-E02 Retrofit actuator for min/max switching, identical to attachment E02 NR-VAV-E03 Retrofit actuator for variable adjustment, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, | For Types | VFC and VFR | | | |
| identical to attachment E02 NR-VAV-E03 Retrofit actuator for variable adjustment, identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, | NR-VAV-E01 | | | | |
| identical to attachment E03 NR-VAV-M01 Retrofit actuator for min/max switching, identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, | NR-VAV-E02 | | | | |
| identical to attachment M01 NR-VAV-M02 Retrofit actuator for min/max switching, | NR-VAV-E03 | | | | |
| | NR-VAV-M01 | | | | |
| identicanto attachment Moz | NR-VAV-M02 | Retrofit actuator for min/max switching, identical to attachment M02 | | | |
