

Product information

Analog encoder

Maintenance and bringing into service made easy.



KMA-R-F8 | P/N: 11073001

Heating, ventilation and air-conditioning systems are the core elements of any building that is regulated and controlled by a building automation system. Actuators are used to assure the ideal energy distribution in the building and the different rooms. This is the point where the analog encoder of METZ CONNECT is used. It is used in control systems of HVAC systems for manual control variable settings of mixing, ventilation and throttle valves or adjustment valves. An analog signal (0 to 10 V or 0 to 20 mA) can be switched on or off without control.

Now the product portfolio is extended by a version that is external voltage protected. The new KMA-R-F8 prevents that positive or negative external voltages of the actuators can pass.



Innovative connectivity

- > easy wiring without tools by innovative spring clamp technology (push-in system)



Manual control

- > emergency operation by integrated manual switch in case of control failure



Compact design

- > needs only a minimum of space in the electrical cabinet with a width of 11.2 mm
- > front height of 45 mm to mount in any electrical installation distributor



Protected against external voltages

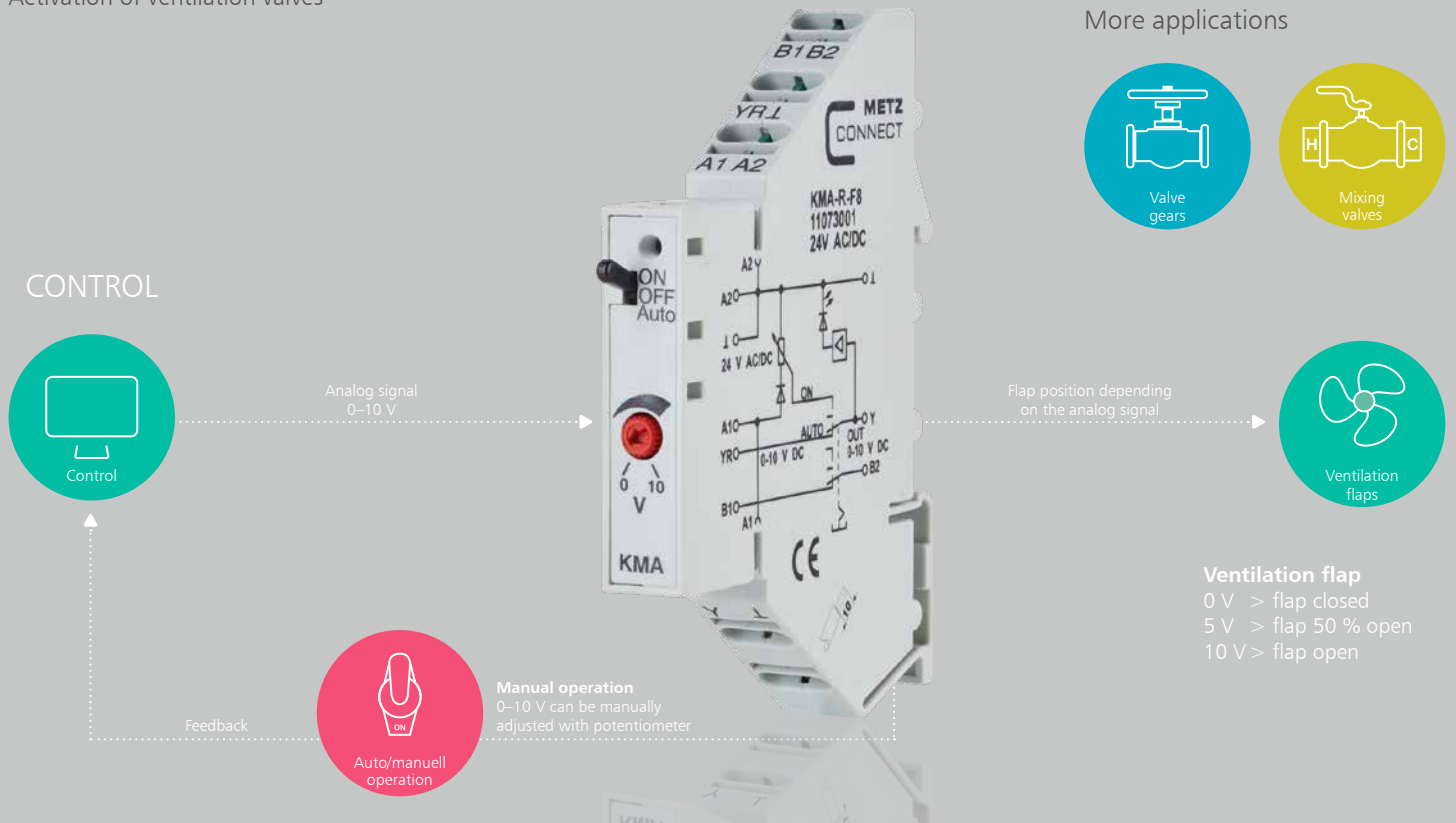
- > no passage of negative or positive external voltages of actuators

Your benefits

- > **Easy maintenance and bringing into service**
Manual adjustment of mixing valves or temperature values with potentiometer on the front.
- > **Reduction of downtimes to a minimum**
The integrated manual control function allows to maintain the operation of valves, pumps, heatings or ventilations in case of control failure.
- > **Signaling of the operating mode**
A feedback contact signals the operating mode to the control unit.

Application example

Activation of ventilation valves



Order Overview

Type	KMA-E08	KMAi-E08	KMA-R-E08	KMA-F8	KMAi-F8	KMA-R-F8
P/N	110660	110659	11066001	110730	110731	11073001
Operating voltage	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC	24 V AC/DC
Input & output signal	0-10 V DC	0-20 mA DC	0-10 V DC	0-10 V DC	0-20 mA DC	0-10 V DC
Output current max. in manual operation	10 mA	20 mA	1 mA	10 mA	20 mA	1 mA
Type of connection	Screw type terminal blocks	Screw type terminal blocks	Screw type terminal blocks	Spring clamp terminal blocks	Spring clamp terminal blocks	Spring clamp terminal blocks
Protected against external voltages			✓			✓