

# Flap adjustment actuator **1.96**

For mixed air units and louvres

Type 1960000 30262

Type 1960000 30264

Type 1960000 30464



## Installation instructions

Please retain for future use!  
Read prior to commissioning!

# 1.96 Flap adjustment actuator

For mixed air units and louvres

## Installation instructions

Symbols:



### Important! Danger!

*Non-observance of this information may cause serious damage to persons or property.*



### Danger of electrocution!

*Non-observance of this information may cause serious damage to persons or property by electric current.*

**Amendments to the content of this manual may take place without prior notice being given!**

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Read these instructions carefully prior to starting any installation work!

## 1. Correct and proper use

Kampmann actuators have been manufactured in accordance with state of the art engineering and recognised safety directives. However incorrect installation and commissioning of the units together with improper use of the units can cause fatal injury, damage to the units or damage to other units or systems.

Kampmann actuators should only be used in conjunction with Kampmann ventilation units and should not be used in humid areas, such as swimming pools, nor should they be used outside. During installation, the units should not be exposed to damp or moisture. Any queries regarding installation of these units should be referred immediately to the manufacturer. Any use not specified will be deemed improper. Damage resulting from incorrect or improper use is the sole responsibility of the user/operator of the equipment. Correct and proper use also implies that the installation instructions described in this manual are adhered to.

## 2. Montage on mixed air units and louvres

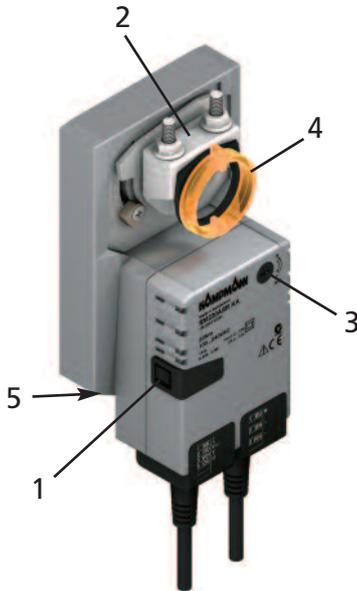


Diagram 1

- Remove manual lever (if present) by removing the three screws and the clamp.
- Release the internal workings by depressing button (1) and rotate terminal block (2) clockwise until it comes to a stop and the indicator (4) is pointing to "1" (see diagram 1).
- To ensure flap or louver is securely shut, move terminal block (2) minutely (half an indicator point) anti-clockwise.
- Close mixed air flap or louver (refer to "Rotate" sticker).
- Fit actuator by placing rear recess (5) over bracket bolt (6/7) and push onto rotating axle.
- Tighten the nuts on terminal block (2), ensuring that the mixed air flap or louver remains "Closed" throughout, holding closed if necessary.

If used with mixed air unit, vertical, type \_60117 or mixed air unit, horizontal, type \_60118 close the flap against the pre-tensioning or turn it over the stop point until it is in the recirculating air position (position "closed").

- Move direction of rotation switch to : ↻

If installing on Kamax or if controlling via KaBUS system:

Position: ↻

**It is preferable to install the actuator before fitting ancillary ductwork etc. to the mixed air box or the louver.**

### Installation on Kampmann Ultra

"Open" mixed air flap or louver (see label 'direction of rotation'). Fit actuator by placing rear recess (5) over bracket bolt (6/7) and push onto rotating axle (8) (see picture 2). Tighten the nuts on terminal block (2), ensuring that the mixed air flap or louver remains "Open" throughout, holding open if necessary. Move direction of rotation switch to position ... ↻

**It is preferable to install the actuator before fitting ancillary ductwork etc. to the mixed air box or the louver.**

1. Mixed air flap open = fresh air
2. Fit actuator in left hand stop position, release using button 1

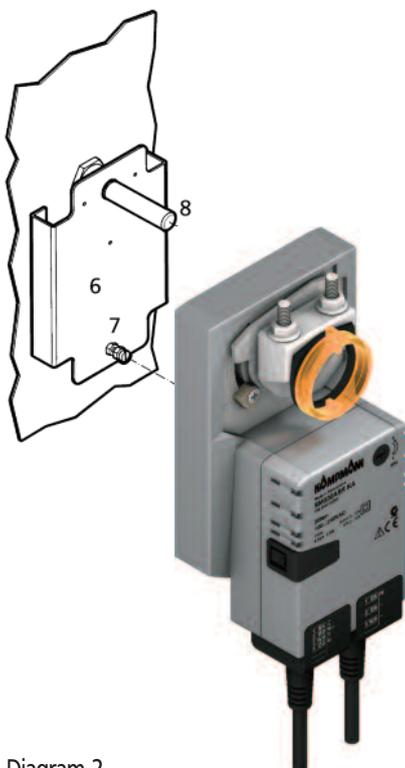


Diagram 2

# 1.96 Flap adjustment actuator

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## Installation instructions



### 3. Electrical wiring

#### Safety advice

The installation of these units requires technical knowledge of electrical engineering. These skills are usually taught during vocational training in the professions indicated and are not described separately here. Damage resulting from improper installation is the sole responsibility of the user. The installation, assembly and servicing of electrical equipment should be carried out in accordance with VDE (German Electrical Association) and EVU guidelines.



**Power to the entire system must be disabled and prevented from being re-enabled before any electrical work or maintenance work is carried out on the equipment.**

Colour codes:  
 BU = blue  
 BN = brown  
 BK = black  
 RD = red  
 WH = white  
 OG = orange

<p style="text-align: center;"><b>30262 (SM230A)</b></p>	<p style="text-align: center;"><b>30264 (SM230A-SR)</b></p>	<p style="text-align: center;"><b>30464 (SM24A-SR)</b></p>
<p><b>Actuator open/closed, Type 196000030262</b></p>	<p><b>Actuator 0-100%, 230 V, Type 196000030264</b></p>	<p><b>Actuator 0-100%, 24 V, Type 196000030464</b></p>
<p>Nominal voltage: 230 V/50 Hz</p>	<p>Nominal voltage: 230 V/50 Hz</p>	<p>Nominal voltage: AC 24 V, 50/60 Hz; DC 24 V</p>
<p>For wire sizing: 2,5 W</p>	<p>For wire sizing: 2,5 W</p>	<p>For wire sizing: 2 W</p>
<p>Dimensioning: 6 VA</p>	<p>Dimensioning: 6 VA</p>	<p>Dimensioning: 4 VA</p>
<p>Torque: 20 Nm</p>	<p>Torque: 20 Nm</p>	<p>Torque: 20 Nm</p>
<p>Enclosure: IP 54</p>	<p>Enclosure: IP 54</p>	<p>Enclosure: IP 54</p>
<p>-</p>	<p>Control signal: 0-10 V DC</p>	<p>Control signal: 0-10 V DC</p>