

- Protection class IP54
- Stroke 10...52 mm
- Manual operation

# Stroke and end position calibration

Stroke and end position calibration is not necessary due to a construction utilizing end position stops. When the valve reaches the end position, a force is generated. Once the force of the actuator reaches a predefined level, the limit switch automatically halts the drive motor.

### Override

Activation of the override input will force the valve to the maximum open position.

# **RVAN18-24A**

Valve actuator for 0(2)...10 V control signal. Force 1800 N.

Valve actuator for control of Regin valves. The actuator has automatic self stroke adjustment and can be operated manually.

- Automatic stroke adjustment
- Easy to mount the valve
- Position indication

#### **Indications**

The actuator has two LEDs with indications according to the table below.

| Indication                   |  |  |
|------------------------------|--|--|
| Green steady light           | Actuator working properly  |  |
| Green light quick flashing   | Test run in progress   |  |
| Green light slow<br>flashing | The setting was changed during the operation. The new setting will be valid after the next power on. |  |
| Red and green steady light   | End position reached   |  |
| Red light slow<br>flashing   | Override operating mode  |  |
| Red steady light             | Operation faulty, either the improper installation or the valve stroke lost                          |  |

#### Suitable valves

The actuator is intended for control of valves from Regin. Information on suitable valves can be found in the product information for each valve. Regin also offers adapters for adjusting the actuator to valves of other brands.



# Technical data

Supply voltage  $24 \text{ V AC} \pm 15 \%$ , 50/60 Hz, or  $24 \text{ V DC} \pm 15 \%$ 

Control signal 0(2)...10 V DC or 4...20 mA. For 4...20 mA control signal, a  $500 \Omega$  resistor must be mounted

parallel to the input signal, i.e. between terminals 2 and 3. SW2 should be in position 1 (On).

Power consumption Max. 8 W
Stroke 10...52 mm
Stroke time 3 s/mm
Force 1800 N
Ambient temperature 0...50°C
Storage temperature -40...+80°C
Ambient humidity 10...90 % RH

Protection class IP54

EMC emissions & immunity standards: This product conforms to the requirements of the EMC

 $Directive\ 2004/108/EC\ through\ product\ standards\ EN60730-1:2000\ and\ EN60730-2-14:1997.$ 

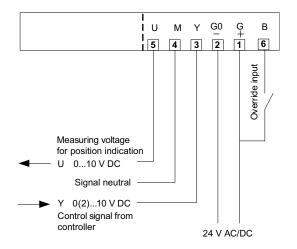
RoHS: This product conforms with the Directive 2011/65/EU of the European Parliament and

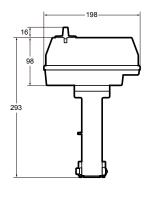
of the Council.

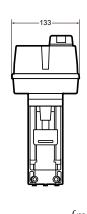
#### **DIP** switches

|     | 1 (On)   | 0 (Off)  |
|-----|--|--|
| SW1 | Spindle down when the valve is closed                | Spindle up when the valve is closed (FS=factory setting) |
| SW2 | Y = 210 V DC   | Y = 010 V DC (FS)  |
| SW3 | Reverse operation                                    | Direct operation (FS)                                    |
| SW4 | Y signal split in accordance with the setting of SW5 | No split function (FS)                                   |
| SW5 | 5(6)10 V = 0100%                                     | 0(2)5(6) V = 0100% (FS)                                  |

# Wiring and dimensions







(mm)

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