# RVAR5-24A

Valve actuator for 0(2)...10 V control signal. Force 500 N.

**Valve actuator for control of Regin's MMV and MMR valves. The actuator has automatic self stroke adjustment and can be operated manually.**

- **Protection class IP54**
- **Stroke 10...30 mm (20 mm fixed stroke)**
- **Manual operation**
- **Automatic stroke adjustment**
- **Easy to mount the valve**
- **Position indication**

### Automatic calibration

After each power-up, automatic calibration will take place. If the unit has been configured for fixed stroke (SW2=Off), the zero point (i.e. the position in which the valve is closed) will be calibrated. If the unit has been configured for free stroke (SW2=On), the stroke will be calibrated.

### Override

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

### 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 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 flashing | Override operating mode |
| Red steady light | Operation faulty, either the improper installation or the valve stroke lost |

REGIN
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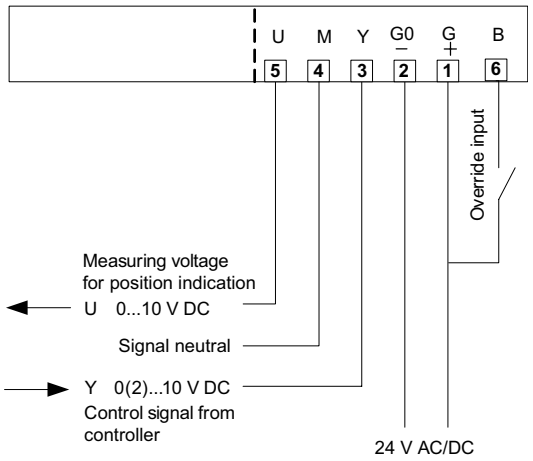
## Technical data

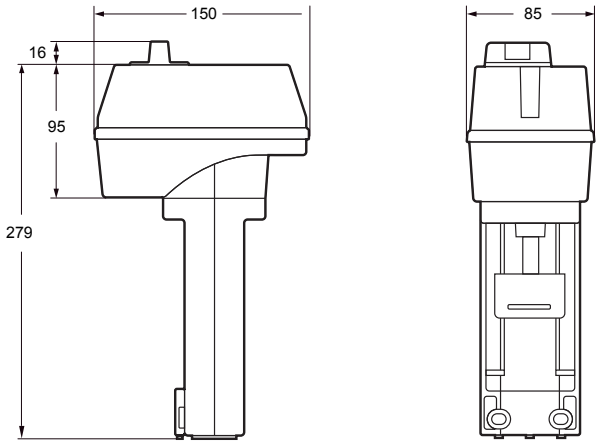
| | |
|---|---|
| Supply voltage | 24 V AC ±15 %, 50/60 Hz, or 24 V DC ±15 % |
| Control signal | 0(2)...10 V DC or 4...20 mA. For 4...20 mA control signal, a 500 Ω resistor must be mounted parallel to the input signal, i.e. between terminals 2 and 3. SW4 should be in position 1 (On). |
| Power consumption | Max. 4.5 VA |
| Stroke | 10...30 mm (20 mm fixed stroke) |
| Stroke time | 1.5 s/mm |
| Force | 500 N |
| Ambient temperature | 0...50°C |
| Storage temperature | -40...+80°C |
| Ambient humidity | 10...90 % RH |
| Protection class | IP54 |
| CE | This product carries the CE-mark. More information is available at www.regincontrols.com. |

### 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** | LOG | LIN (FS) |
| **SW3** | Y = 2...10 V DC | Y = 0...10 V DC (FS) |
| **SW4** | Reverse operation | Direct operation (FS) |
| **SW5** | Y signal split in accordance with the setting of SW6 | No split function (FS) |
| **SW6** | 5(6)...10 V = 0...100% | 0(2)...5(6) V = 0...100% (FS) |

## Wiring and dimensions

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