



RVAN18-24A

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

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

- 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.

- 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 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

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 V AC $\pm 15\%$, 50/60 Hz, or 24 V DC $\pm 15\%$
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. 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 = 2...10 V DC	Y = 0...10 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 = 0...100%	0(2)...5(6) V = 0...100% (FS)

Wiring and dimensions

