

## Data sheet

# Actuator for three point control AMV 150

### Description



Actuator is primarily designed to regulate valve in the respond to the demand of a controller in District heating, heating, floor heating, solar heating, zone heating, comfort cooling, ventilating and air conditioning systems etc.

Actuator AMV 150 can be controlled by electronic controllers with 3-point output.

Actuator can be used in combination with:

- Valve types VS 2 (DN 15 only) and VMV
- Self acting flow controller AVQM

### Features:

- Self stroking feature: automatic adaptation of stroke to valve's end -position - reduces commissioning time
- Manual operation
- Position indication
- LED signalling (below the cover)
- No tool mounting
- Supplied with 1.5m cable
- Suitable for high temperatures

### Main Data:

- Nominal voltage
  - 24 VAC, 50/60 Hz
  - 230 VAC, 50/60 Hz
- Control input signal: 3 point
- Force: 250 N
- Stroke: 5 mm
- Speed: 24 s/mm
- Max. medium temperature: 130 °C

### Ordering

#### Actuator

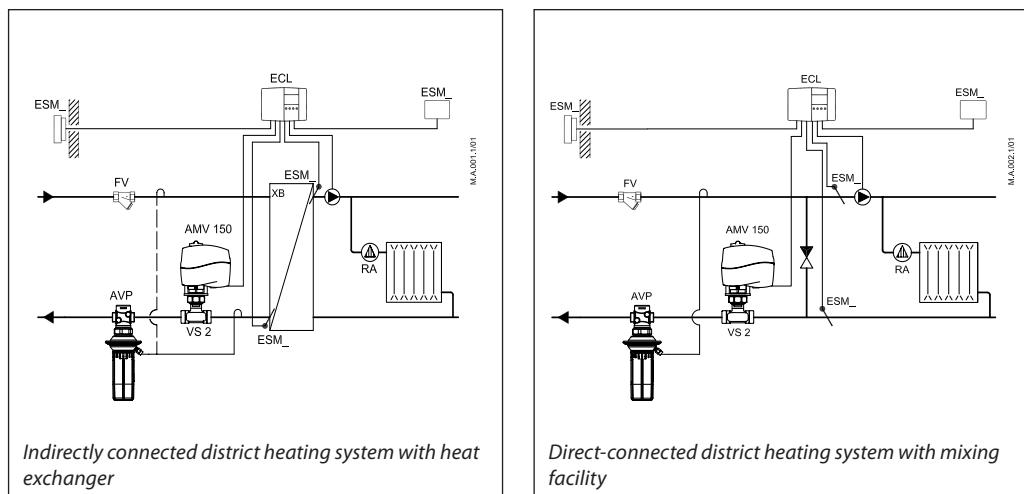
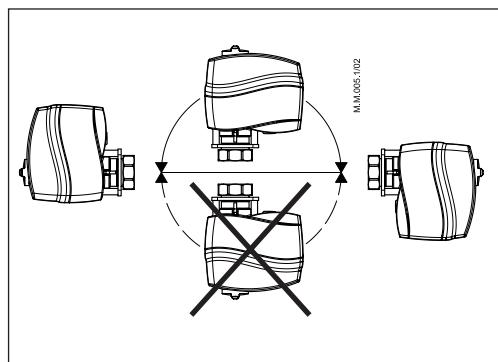
Type	Supply voltage	Speed	Code No.
AMV 150	24 VAC	24 s/mm	<b>082G3089</b>
	230 VAC		<b>082G3090</b>

#### Accessories

Type	Supply voltage	Length	Code No.
Cable	24 VAC	5 m	<b>082H8052</b>

### Technical data

Power supply	V	24 or 230 AC; +10 % to -15 %
Power consumption	VA	1 (24 V), 8 (230 V)
Frequency	Hz	50 /60
Control Input		3-point
Closing force	N	250
Max. stroke	mm	5
Speed	s/mm	24
Max. medium temperature		150
Ambient temperature	°C	0 ... 55
Storage and transport temperature		-40 ... +70
Protection Class		II
Grade of enclosure		IP 54
Weight	kg	0.34
<b>CE</b> - marking in accordance with standards		Low voltage directive (LVD) 2006/95/EC: EN 60730-1, EN 60730-2-14 EMC Directive 2004/108/EC: EN 61000-6-2, EN 61000-6-3

**Application principles**

**Installation**

**Mechanical**

The actuator should be mounted with the valve stem in either horizontal position or pointing upwards.

**Electrical**

**Important:** It is strongly recommended that the mechanical installation is completed before the electrical installation.

Each actuator is supplied with the connecting cable for the controller.

**Disposal**

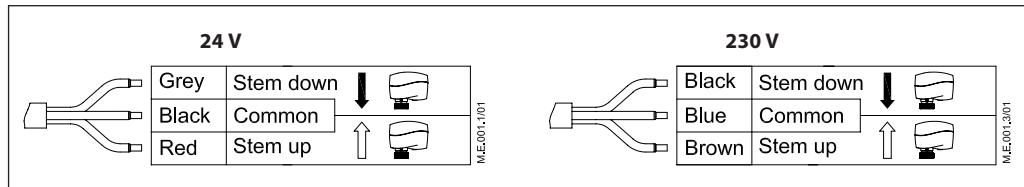
The actuator must be dismantled and the elements sorted into various material groups before disposal.

**Commissioning**

Complete the mechanical and electrical installation (see instructions) and perform the necessary checks and tests:

- Turn on the power
- Set the appropriate control signal and check that the valve stem direction is correct for the application.

The unit is now fully commissioned.

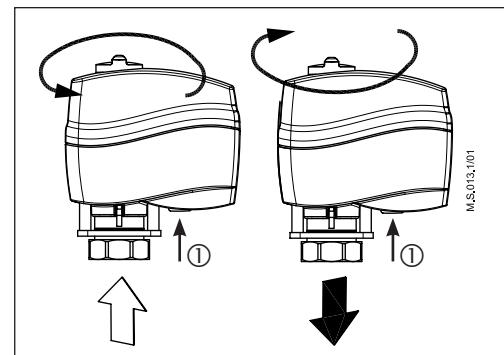
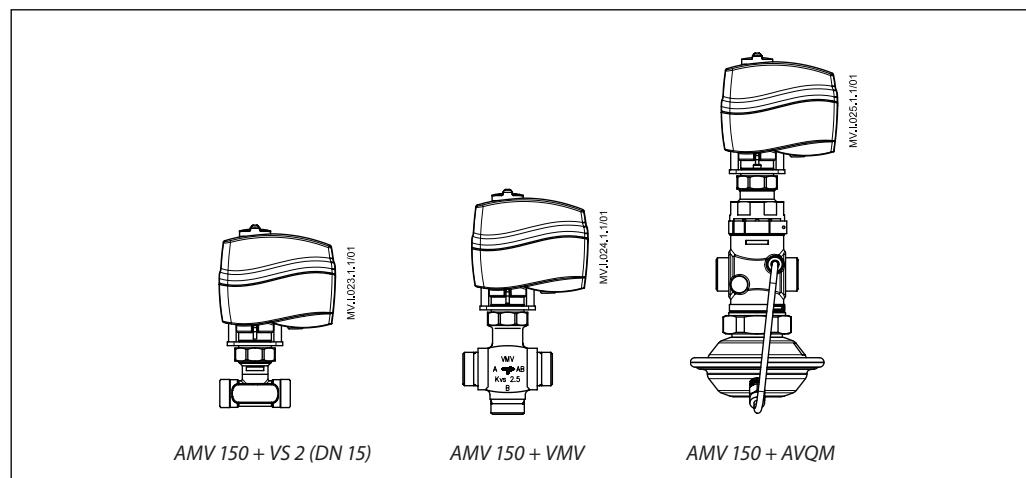
**Wiring**


**Manual operation**

① Press and hold the button (on the bottom side of the actuator) during manual operation.

**Remark:**

A "click" sound after energizing the actuator means that the gear wheel has jumped into normal position.


**Actuator - valve combinations**

**Dimensions**
