



NV.../AV... is a series of valve actuators suitable for various valves

- * Three point with supply voltage 24 V AC and 230 V AC
- * For analogue control signal 0...10 V
- * Automatic stroke adjustment
- * Force 1000 N (NVY) and 2000 N (AVY)
- * Stroke 20 mm (NVY) and 40 mm (AVY)
- * Adapters to fit other brands of valves

Function

NV.../AV... is a series of valve actuators intended for controlling valves in the MMV.../MMR..., GTVS/GTRS series and district heating valves in the FRS...-series.

NV230-3-R

Actuator for three-point control (increase-decrease) signal. Supply voltage 230 V AC.

NV24-3-R

Actuator for three-point control (increase-decrease) signal. Supply voltage 24 V AC/DC.

NVY24-MFT-R

Microprocessor based actuator for 0...10 V control signal. Supply voltage 24 V AC/DC. The actuator has automatic stroke adjustment *.

AVY24-3-R

Actuator for three-point control (increase-decrease)-signal. Supply voltage 24 V AC/DC.

AVY24-MFT-R

Microprocessor based actuator for 0...10 V control signal. Supply voltage 24 V AC/DC. The actuator has automatic stroke adjustment *.

Function safeties

The actuators are short circuit proof and protected against polarity reversing at installation. MFT-models also have automatic stroke adjustment with overload protection.

Manual manoeuvring

It is possible to adjust the stem position manually by using an Allen key.

Position indication

The stroke is indicated mechanically. The indication is self adjusting.

Use with other valve types

The actuators can be used together with other valve brands such as Siemens and TAC. See leaflet 7-900 for further information.

* The function presupposes that the valve makes a mechanical stop "bolt" in both end positions.

Models

	Signal	Stroke	Force
NV24-3-R	3-point	20 mm	1000 N
NV230-3-R	3-point	20 mm	1000 N
NVY24-MFT-R	0...10 V	20 mm	1000 N
AVY24-3-R	3-point	40 mm	2000 N
AVY24-MFT-R	0...10 V	40 mm	2000 N

Technical data

	NV24-3-R	NV230-3-R	NVY24-MFT-R	AVY24-3-R	AVY24-MFT-R
Supply voltage	24 V AC	230 V AC	24 V AC/DC	24 V AC	24 V AC/DC
Transformer sizing	5 VA	5 VA	5 VA	5 VA	7 VA
Power consumption	3 W	3 W	3 W	4 W	5 W
Connection cable (1 m)	3 x 0.75 mm ²	4 x 0.75 mm ²	5 x 0.75 mm ²	3 x 0.75 mm ²	5 x 0.75 mm ²
Stroke	20 mm	20 mm	20 mm	40 mm	40 mm
Force	800 N	800 N	800 N	1000 N	1000 N
Actuating time	7,5 s/mm	7,5 s/mm	7,5 s/mm	8 s/mm	8 s/mm
Control signal	3-point	3-point	0...10 V DC	3-point	0...10 V DC

Common data

Degree of protection	IP54
Ambient temperature	0...50°C
Storage temperature	-40...60°C
Ambient humidity	According to EN 60730-1
CE	This product conforms to the EMC standard 89/336/EEC, 92/31/EEC, 93/68/EEC

Wiring and dimensions

