

CONTROL VALVES / ACTUATORS



HIGH PERFORMANCE PROPORTIONAL ACTUATOR

Electromotor actuator which, when used together with pressure independent control valves KTM 512 DN 15-50, provides superb control. High IP class for reliable operation.



MANUAL OPERATION

Gears can be de-coupled in order to position the valve manually.



MANUAL SETTING

Manual operation by using 6 mm Allen key.



SIMPLE CLICK-ON CONNECTION

For easy installation on the valve.

TA-R25

CONTROL

TECHNICAL DESCRIPTION

Applications:

TA-R25-24: For modulating, 3-point or on/off control.

TA-R25-230: For 3-point or on/off control.

Supply voltage:

TA-R25-24: 24V AC/DC $\pm 20\%$

TA-R25-230: 230V AC $\pm 15\%$

Frequency 50-60 Hz

Power consumption:

TA-R25-24: 5 W

TA-R25-230: 2 W

Control voltage:

TA-R25-24: DC 0-10 V or 3-point or 2-point (on/off).

TA-R25-230: 3-point or 2-point (on/off).

Control speed:

TA-R25-24: 8 or 16 s/mm

TA-R25-230: 16 s/mm

Adjusting force:

500 N

Temperature:

Max. ambient temperature: 55°C

Min. ambient temperature: -10°C

Enclosure class:

IP 54 (EN 60529)

Cable:

TA-R25-24: Connection cable 5 x 0,5 mm².

TA-R25-230: Connection cable: 3 x 0,5 mm².

Cable length: 1,2 m.

Stroke:

10 mm

Connection to valve:

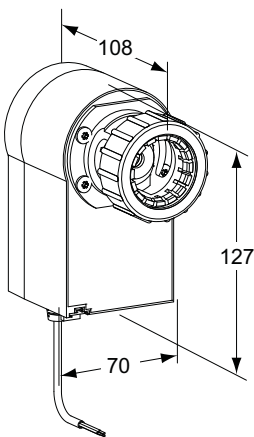
Plastic bracket with brass nut for connection to the valve and automatic spindle connection.

Colour:

Black body and red cover.

Marking:

TA and technical data.



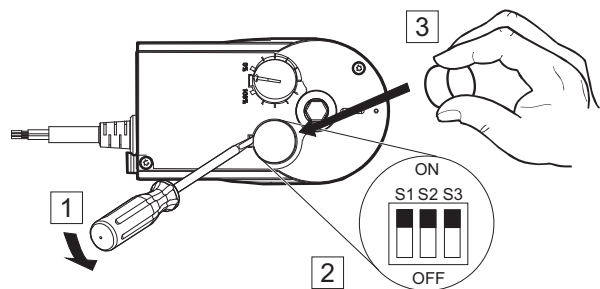
TA No	Cable length	Kg
TA-R25-24, 24 V AC/DC		
44 756-975	1,2 m	0,7
TA-R25-230, 230 V AC		
44 756-976	1,2 m	0,7

OPERATING FUNCTION

TA-R25-24

Depending on how it is connected (see wiring diagrams), the actuators can be used as a modulating 0-10 V, as a 2-point (open/close) or as a 3-point drive (open/stop/close). The running time can be matched to requirements using switch S2. The characteristic (equal-percentage or linear) can be selected via switch S3.

For manual adjustment disengage the gears (press sliding switch next to the power cable). Insert an Allen key into the hole on the actuator cover. Turn clockwise to close the valve and vice versa. A full stroke (10 mm) can be attained with 2 turns.



TA-R25-24	S1	S2	S3
10mm			
160s	-	on	-
80s	-	off	-
	-	-	on = lin.
	-	-	off = EQM
	on	on	on

TA-R25-230

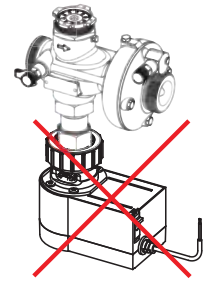
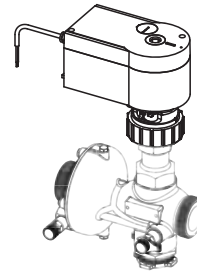
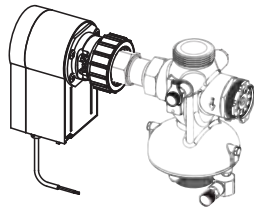
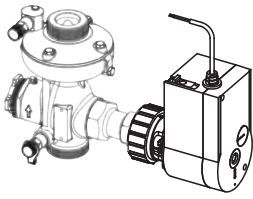
Depending on how it is connected (see wiring diagrams), the actuators can be used as a 2-point (open/close) or as a 3-point drive (open/stop/close).

For manual adjustment disengage the gears (press sliding switch next to the power cable). Insert an Allen key into the hole on the actuator cover. Turn clockwise to close the valve and vice versa. A full stroke (10 mm) can be attained with 2 turns.

TA-R25

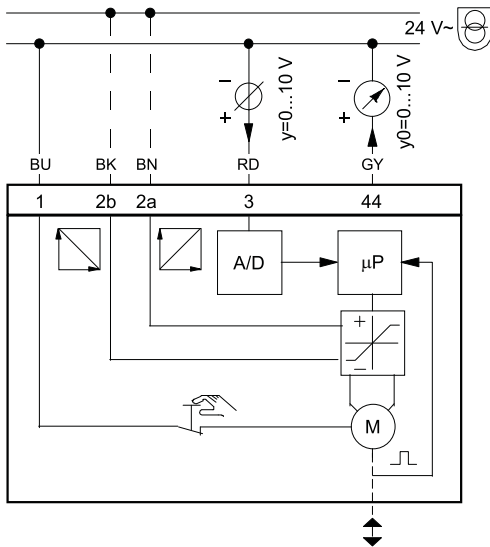
CONTROL

INSTALLATION

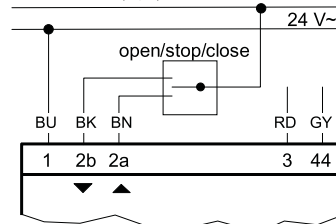


Wiring diagram:

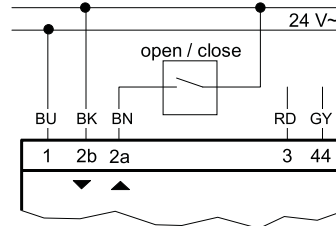
24 V



Variante 1 (3pt)

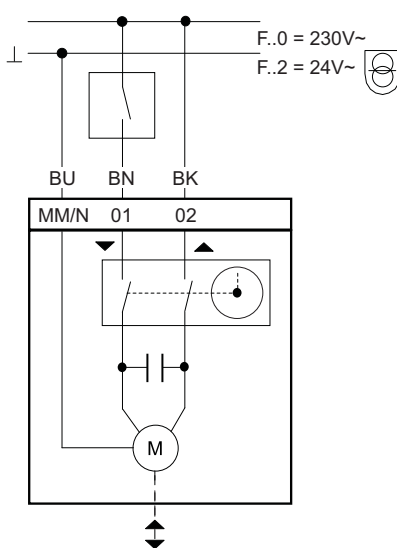


Variante 2 (2pt)

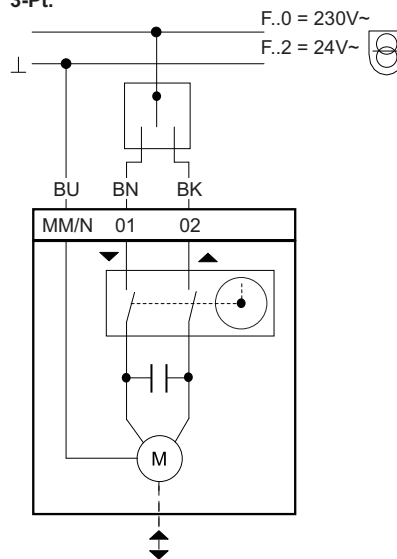


230 V

2-Pt.



3-Pt.



RD = Red
BN = Brown
BK = Black
BU = Blue
GY = Grey

The products, texts, photographs, graphics and diagrams in this brochure may be subject to alteration by Tour & Andersson without prior notice or reasons being given.

For the most up to date information about our products and specifications, please visit www.tourandersson.com.

6-10-28 TA-R25 2008.12

we knowhow

TA