

- Spring return rotary actuators: for 2 way ball valves DN 15...25  
for 3 way ball valves DN 15...20
- Torque: 2 Nm
- Modulating control TRF24-SR (AC/DC 24 V)
- Floating (3-point) control TRF24-2 (AC/DC 24 V)
- Open/Close control TRF24(-S) (AC/DC 24 V)  
TRF230(-S) (AC 100...240V)



Technical data

Basic technical data		
	Connection	1m, 0.75mm <sup>2</sup>
	Torque	Motor: 2 Nm; Spring return: 2 Nm
	Angle of rotation	95°
	Position indication	Mechanical
	Degree of protection	IP42
	EMC	CE according to 89/336/EEC
	Ambient temperature	-5... +50°C
	Non-operating temperature	-5... +80°C
	Temperature of medium	-5... +100°C
	Humidity test	To EN 60730-1
	Maintenance	Maintenance-free
TRF24-SR	Power supply range	AC 19.2... 28.8 V; DC 21.6... 28.8 V
	Power consumption	2.5 W @ running / 1 W @ holding
	Sound power level	Motor: Max. 45 dB (A), Spring return: 62 dB (A)
	Transformer sizing	4 VA
	Control signal	DC2(0)...10 V @ 100 kΩ input impedance
	Feedback signal	DC2...10 V
	Direction of rotation	Motor: Reversible with L/R switch; Spring return: reversible by mounting L/R
	Protection class	III (safety low voltage)
	Running time	Motor: 90s; spring return: < 25s (-5... +50°C) / Max. 60s (-30°C)
	Weight	0.6 Kg
TRF24-2	Power supply range	AC 19.2... 28.8 V; DC 21.6... 28.8 V
	Power consumption	2.5 W @ running / 1 W @ holding
	Sound power level	Motor: Max. 45 dB (A), Spring return: 62 dB (A)
	Transformer sizing	4 VA
	Direction of rotation	Motor: Reversible with L/R switch; Spring return: reversible by mounting L/R
	Weight	0.6 Kg
TRF24(-S)	Power supply range	AC 19.2... 28.8 V; DC 21.6... 28.8 V
	Power consumption	2.5 W @ running / 1.5 W @ holding
	Sound power level	Max. 45 dB (A)*
	Transformer sizing	5 VA
	Direction of rotation	Spring return reversible by mounting L/R
	Auxiliary switch (TRF24-S)	1 X SPDT, 1 mA ...3(0.5) A, AC 250 V <input type="checkbox"/> , 0... 100% adjustable
	Protection class	III (safety low voltage)
	Running time	Motor: 40... 75s; spring return: < 75s*
	Weight	0.6 Kg
	TRF230(-S)	Power supply range
Power consumption		2.5 W @ running / 1.5 W @ holding
Sound power level		Max. 45 dB (A)*
Transformer sizing		5 VA
Direction of rotation		Spring return reversible by mounting L/R
Low voltage directive		CE according to 73/23/EEC
Auxiliary switch (TRF230-S)		1 X SPDT, 1 mA ...3(0.5) A, AC 250 V <input type="checkbox"/> , 0... 100% adjustable
Protection class		II (Totally insulated) <input type="checkbox"/>
Running time		Motor: 40... 75s; spring return: < 75s*
Weight		0.6 Kg

\* Change to low noise version since 01. Mar. 2008

Product features

- Simple direct mounting** Simple direct mounting on the ball valve using only one screw.
- Manual operation** No manual operation.
- High function reliability** The actuator is overload-proof, needs no limit switches, stops automatically at the end stops.

Wiring

