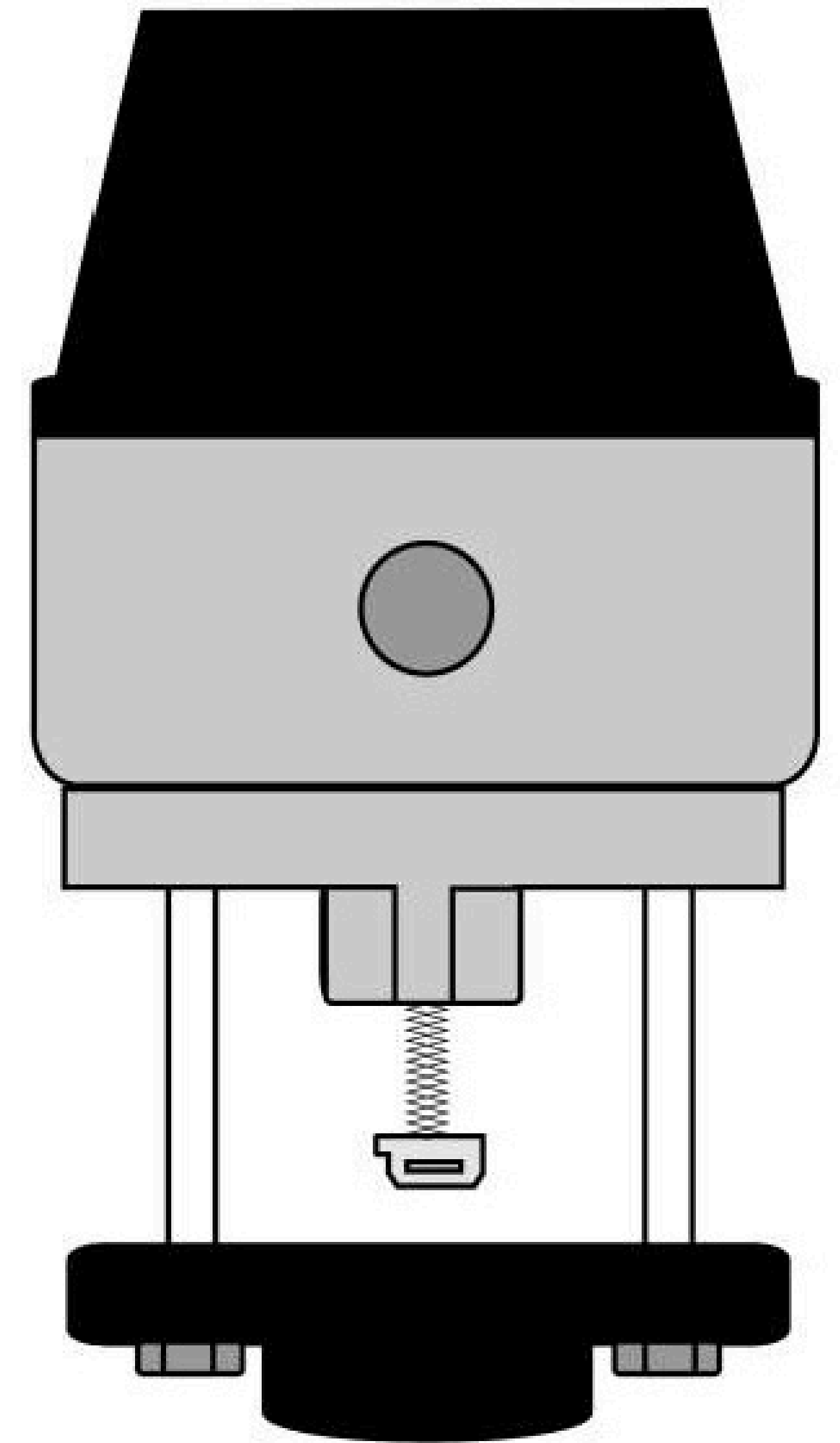


## DIRECT MOUNTING ACTUATOR ROTARY MOTION ACTUATOR SERIES R-981 SR FOR SKS Butterfly Valve

Actuator series R-981SR is a Rotary Movement Equal Percentage , Direct Mounting Electric Actuator. The R-981SR series actuator is ideally used for control valves with rotary movement or any other application which requires a linear movement .The actuator comes with a range of inputs eg. 4-20mA, 0-10 V DC, S.P.D.T. Switch, Thermostat etc. . Its basic features cover include a very intelligent circuit, which can sense any hindrance in the movement of valve and stop till the hindrance is removed . It also have field replaceable jumpers for forward / reverse motion

### BASIC FEATURES

- ✓ Intelligent Circuit that senses any hindrance in movement of the Valve .
- ✓ Electronic current sensing provides internal protection and positive full closing force .
- ✓ Position indicator .
- ✓ Low Noise Level .
- ✓ Field configurable jumpers for forward/reverse action .
- ✓ Selectable signal input terminals ( 0-10V DC , 0-20mA ,. 4-20mA) .
- ✓ Screw terminal connections .
- ✓ Compact size for easy installation in confined areas .
- ✓ Provision for usage of one common power supply transformer for multiple Actuators and Controllers .
- ✓ B.M.S Compatible .
- ✓ Self contained Valve Linkage .



**R- 981SR**

### SPECIFICATIONS

#### Electrical Rating :

Standard - 24 V AC , 50 Hz.  
Inputs - 4-20 V mA , 0 -10V DC , 0-20mA .

#### Ambient Rating :

Operating Temperature : 0 to 55 C Rel-  
ative Humidity : 15% to 95% at 40 C

#### BODY :

ALUMINIMUM (PRESSURE DIE CAST)

TOP COVER : ABS PLASTIC

#### MOTOR :

MICRO DC MOTOR

OUTPUT TORQUE : 55 Nm

MIN. OPERATING TEMP. 1'C

MAX. OPERATING TEMP . 80'C

#### Operating Noise :

55dBA max. Sound Pressure Level  
at 1metre .

#### Mechanical Rating :

RunningTime - Approx. 15 seconds for  
0 to 90 Degree .

Torque - 50 NM Max.

**FEEDBACK :** POTENTIAL FREE CONTACTS

**LIMIT SWITCH** SPDT 10A 230V AC-

**COATING** SILVER ENAMEL SPRAY PAINT

**CERTIFICATION** CE certified

**CONTROL TYPE** SNAPACTING MODULATING TYPE

**FAIL SAFE** STAY PUT

**DEGREE OF PROTECTION :** IP66

## Selection chart

BUTTERFLY VALVE SIZE	ACTUATOR MODEL	TORQUE GENERATED
80 MM – 100 MM	RC 744 – 8	100 Nm
125 MM	RC 744 – 10	150 Nm
150 MM	RC 744 – 15	250 Nm
200 MM	RC 744 – 20	400 Nm
250 MM	RC 744 – 25	500 Nm
300 MM	RC 744 – 30	1,750 Nm
350 MM	RC 744 – 35	2,000 Nm
400 MM	RC 744 – 40	2,000 Nm
450 MM	RC 744 – 45	2,750 Nm

