

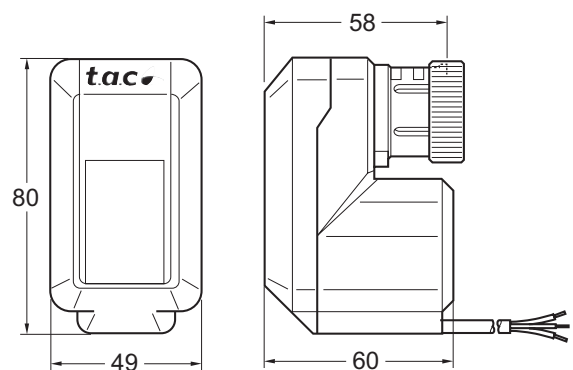
The MZ09B actuator is specifically designed to provide 3-point control together with radiator valves.

The MZ09B actuator is used for radiator valves in fan-coil-units, induction units, small reheaters and recoolers and for zone control applications.

The absence of endswitches or feedback potentiometer ensures longtime reliability.

### TECHNICAL DATA

Part number .....	845-5111
Input voltage .....	24 Vac + 10 % ...-30 %; 50/60 Hz
Power consumption .....	0,7 VA
Control mode .....	floating (3-point)
Stroke .....	1,6 mm controlled valve stroke
.....	7,9 mm complete actuator stroke
Running time .....	36 s / 1,6 mm valve stroke
Stem force .....	90 N
Protection standard .....	IP 43 in accordance with EN 60529
Connection cable .....	0,9 m
Coupling ring .....	M 30 x 1,5
Ambient operating temperature limits .....	0-60 °C
Weight .....	0,15 kg
Suitable for valves .....	see table on next page



## FUNCTION

The movement of the electric actuator is produced by a screw spindle which is driven in both directions by a synchronous motor through a set of gears.

A magnetic clutch limits the torque of the gear assembly and the driving force of the actuator. The actuator is fixed to the valve body by means of a coupling ring requiring no tools for mounting.

The actuator is maintenance-free and supplied completely with a ready-to-wire connecting cable.

## MOUNTING

### Mounting Position

The actuator may only be mounted beside or above the valve. Adjust the valve in the right position before mounting the actuator. (Fig. 1)

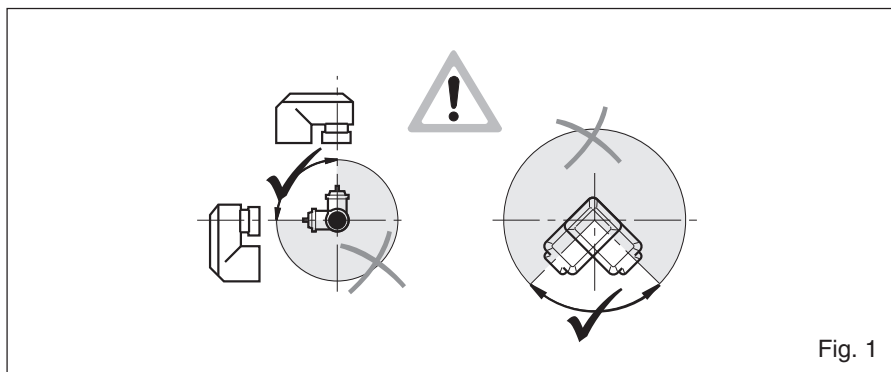


Fig. 1

### Mounting

Before the actuator is fixed to the valve, the adjustment cap must be removed. Make sure that the actuator is in the open position (factory supplied position) before fixing the actuator to the valve body. (Fig. 2)

The actuator must be mounted by hand. Don't use tools or additional forces, because actuator and valve may be damaged.

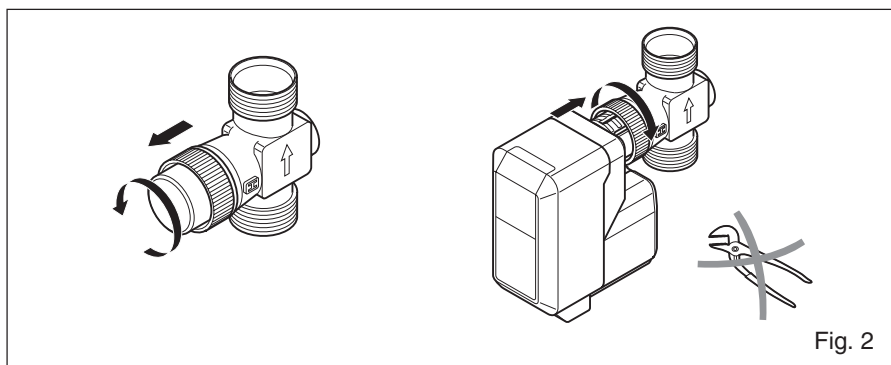


Fig. 2

## CONNECTIONS

The electrical installation must comply with the wiring diagram shown in Fig 3.

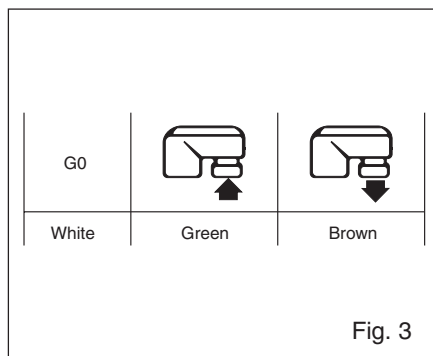


Fig. 3

## SUITABLE VALVES

Manufacturer	Valve type	Adapter
Honeywell	V100, V102	Not required
Heimeier		Not required
Siemens L&S	Duogyr	Not required
Danfoss	Series RA2000: RA-PN, RA-N, RA-U, RA-G, RA-UR, RA-KE, RA-K	IRA-AD
Danfoss	Series RAVL	ZA100M-D
Danfoss	Series RA	ZA100M-GD
Markaryd	Series MMA Minor	ZA100M-A
Markaryd	Series NT	ZA100M-B

