



Badger Meter Europa

ELECTRIC ACTUATOR 3-point Control or Analog input

Data Sheet AC-MC 60

DESCRIPTION

The type AC-MC 60 is a compact, microcontroller directed electric actuator with stepper-motor, which can be delivered in following design.

- ?? 3-point control
- ?? Analog input 4-20mA, 0-10 Volt
- ?? Analog feedback 0-10 Volt
- ?? 2 limit switches

Actuator force: 0.6 kN

Stroke: NW 1/4" = 11.1 NW 1/2"-1" = 14.2

Hand adjustment: with handwheel

Ambient temperature: 0°C bis +50°C

Allowable medium temperature: 130°C

Mounting position: any, but not motor down below

Protection class: IP54 (EN60034-1)
IP65 (optional)

Power supply: 230VAC 50Hz, 24VAC 50Hz, 110VAC 50/60Hz,
24 VDC

Operating mode: S3 - 50% ED - 1200 c/h

Electric connection: PG thread joint (PG13,5)

End switch off: 2 load-dependending switches,

Power consumption: 5W at 24 VAC
15W at 230 VAC

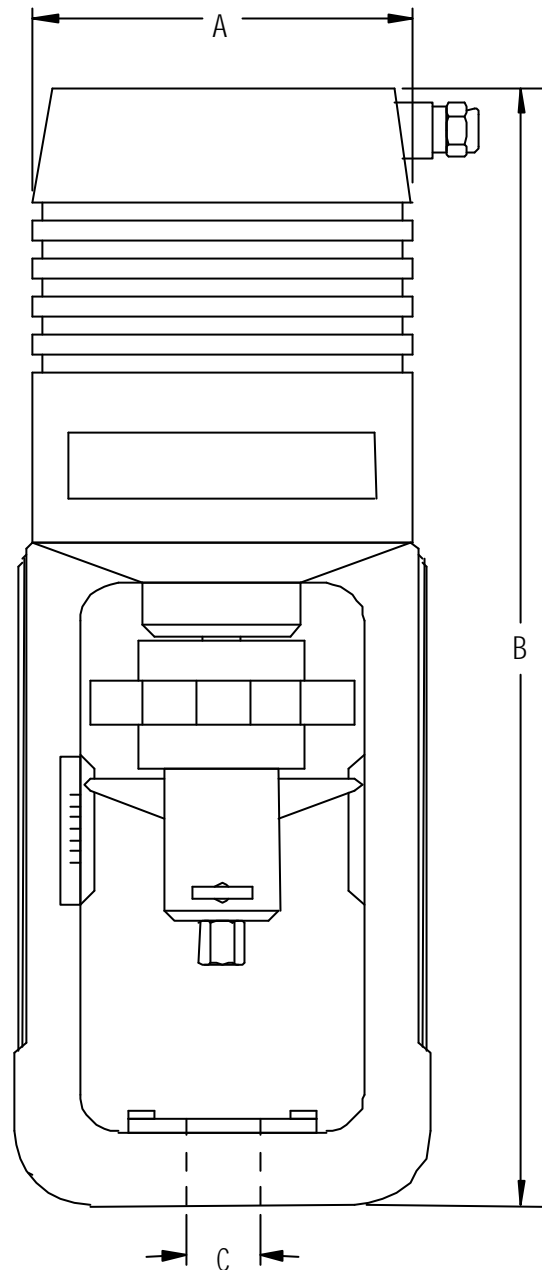
Freely adjustable signals 3-Point
0-10 VDC / 2-10 VDC
0-20 mA / 4-20 mA

Freely adjustable actuating time 1,9-4-9-12 s/mm

Output signal 0-10 VDC

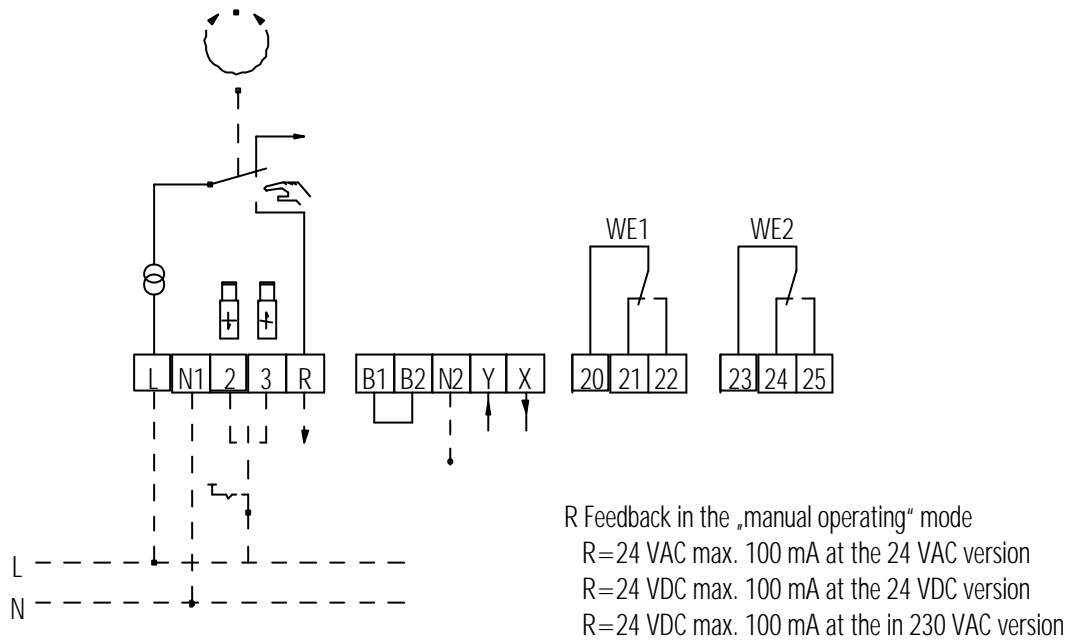
ADDITIONAL FEATURES

- ? Automatic self-calibration at initial operation
- ? Freely adjustable characteristic
- ? Wire break recognition



RCV	A	B	C	Lift
1/4" NPT	100	300	22	11,1
1/2" NPT	100	300	22	14,3

CONNECTION DIAGRAM



N2 Zero potential of the signals „Y“, „X“ and „R“. It is recommended to connect „N“, at actuators in the in 24 VAC (DC) version. When operating in the „steady“ mode; i.e. control with analog signal „Y“ on the 230 VAC version, the connection N2 (zero potential of the controller) is absolute necessary. When operating in the „3-point“ mode on the 230 V AC version, the connection N2 is only necessary if „X“ and/or „R“ will be used from the actuator. If the zero potentials of the signals X, Y and R are identical to the zero potential of the power supply, a bridge between N1 and N2 can be laid to save an additional line.