

# Actuators

## IC 20

Low-torque rotary actuator with 3-point step or continuous control equipped with auto/manual switch for commissioning



90° rotary actuator designed to direct-couple to the BV and VFC-series valves for precise control of the media.

### Features

- Precision servo motor
- Auto/manual mode to facilitate valve setup
- Adjustable cams for high and low positions, plus two free-floating cams
- Optional feedback potentiometer

### Specifications

- Input voltage: 110, 230V AC
- Control Voltage: Mains Voltage, IC 20..E: 4-20mA
- Contact rating: 24-230V
- Torque: 22-26in lbf (2.5-3Nm)
- Ambient temperature: -4°F to 140°F (-20°C to 60°C).
- Enclosure: IP 65

### Applications

For the operation of low torque gas and air control valves where precise positioning of the valve is critical to the process.

### Approvals

- CE
- EAC
- CSA Pending

### Model Selection

Code	Description
IC 20	Standard
IC 30	Low Voltage
IC 40	Smart Actuator
IC 50	High Torque
<b>Running time in s/90°</b>	
-	Programmable (omit)
-3	3.7
-7	7.5
-15	15
-30	30
-60	60
<b>Safety Closing Function</b>	
-	without (Omit)
S	Safety Closing
<b>Mains voltage:</b>	
A	100-230 V AC, 50/60 Hz
K	24 V DC, ± 20%
Q	120 V AC, 50/60 Hz
W	230 V AC, 50/60 Hz
<b>Torque:</b>	
2	2.5 Nm
3	3 Nm
7.5	7.5 Nm
15	15 Nm
20	20 Nm
30	30 Nm
<b>Control Signal</b>	
A	4-20 mA Analog
D	Digital Input
E	Continuous control
T	Three-point step control
<b>Position Feedback</b>	
-	4-20 mA <sup>1</sup>
R10	R10 <sup>2</sup>

<sup>1</sup>: Control option "E" includes feedback

<sup>2</sup>: Control option "T" for IC 50 includes feedback

IC	Running Time						SCF		Input Voltage					Torque					Control Signal				Feedback		
	-	-3	-7	-15	-30	-60	-	S	A	K	H	Q	W	2	3	7.5	15	20	30	A	D	E	T	-	R10
20	—	—	●	●	●	●	●	—	—	—	—	●	●	●	●	—	—	—	—	—	—	●	●	● <sup>1</sup>	○
30	—	—	—	—	●	●	●	—	—	●	—	—	—	—	●	—	—	—	—	—	—	—	—	—	○
40	●	—	—	—	—	—	●	○	●	—	—	—	—	●	●	—	—	—	—	●	●	—	—	—	○
50	—	—	●	●	—	○	●	—	—	—	●	●	●	●	●	●	●	●	●	—	—	—	—	● <sup>1</sup>	● <sup>2</sup>

● - Standard selection ○ - Optional selection — - Selection not available

<sup>1</sup>: Control option "E" includes feedback

<sup>2</sup>: Control option "T" for IC 50 includes feedback