

FlowCon EV Actuators

FlowCon Thermal Actuators, NC



SPECIFICATIONS

FlowCon EV.0.2

Supply voltage:	24V AC -10%/+20%, 50/60 Hz
Type:	Thermal
Power consumption:	1 W
Control signal:	Analog 0-10V DC, normally closed
Failsafe function:	Yes, normally closed ¹
End switch:	No
Operation time:	Approximately 2½ minutes
Actuating force:	100N ±5%
Ambient temperature:	0°C to +60°C
Protection:	IP54 including upside-down, protection class III
Cable:	Plug-in, 3 wires x 0.22mm ² PVC, standard 1 meter

FlowCon EV.0.3

Supply voltage:	230V AC ±10%, 50/60 Hz
Type:	Thermal
Power consumption:	1 W
Control signal:	ON/OFF, normally closed
Failsafe function:	Yes, normally closed ¹
End switch:	No
Operation time:	Approximately 4 minutes
Actuating force:	100N ±5%
Ambient temperature:	0°C to +60°C
Protection:	IP54 including upside-down, class II
Cable:	Fixed, 2 wires x 0.75mm ² PVC, standard 1 meter

Note 1: To ensure that the valve is in an open position during commissioning of the system, the actuator will be delivered in open position and remain in this position until it is electrically operated first time.

SPECIFICATIONS (...continued)

FlowCon EV.0.4

Supply voltage:	24V AC/DC -10%/+20%, 50/60 Hz
Type:	Thermal
Power consumption:	1 W
Control signal:	ON-OFF, normally closed
Failsafe function:	Yes, normally closed ²
End switch:	No
Operation time:	Approximately 4 minutes
Actuating force:	100N ±5%
Ambient temperature:	0°C to +60°C
Protection:	IP54 including upside-down, class III
Cable:	Fixed, 2 wires x 0.75mm ² PVC, standard 1 meter

FlowCon EV.0.5

Supply voltage:	120V AC ±10%, 50/60 Hz
Type:	Thermal
Power consumption:	1 W
Control signal:	ON/OFF, normally closed
Failsafe function:	Yes, normally closed ²
End switch:	No
Operation time:	Approximately 4 minutes
Actuating force:	100N ±5%
Ambient temperature:	0°C to +60°C
Protection:	IP54 including upside-down, protection class II
Cable:	Fixed, 2 wires x AWG18 (0.82mm ²) PVC, standard 1 meter

FlowCon EV.1.3

Supply voltage:	230V AC ±10%, 50/60 Hz
Type:	Thermal
Power consumption:	1 W
Control signal:	ON/OFF, normally closed
Failsafe function:	Yes, normally closed ²
End switch:	Yes
Switching point:	Approximately 2mm
Switching capacity:	230V AC, 5A ohm resistive load, 1A inductive load
Operation time:	Approximately 4 minutes
Actuating force:	100N ±5%
Ambient temperature:	0°C to +60°C
Protection:	IP54 including upside-down, class II
Cable:	Fixed, 4 wires x 0.75mm ² PVC, standard 1 meter

FlowCon EV.1.4

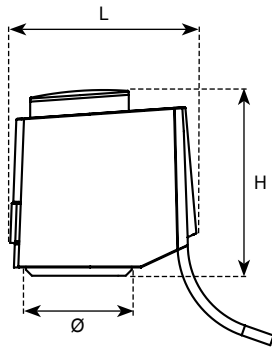
Supply voltage:	24V AC/DC -10%/+20%, 50/60 Hz
Type:	Thermal
Power consumption:	1 W
Control signal:	ON/OFF, normally closed
Failsafe function:	Yes, normally closed ²
End switch:	Yes
Switching point:	Approximately 2mm
Switching capacity:	24V AC, 3A ohm resistive load, 1A inductive load
Operation time:	Approximately 4 minutes
Actuating force:	100N ±5%
Ambient temperature:	0°C to +60°C
Protection:	IP54 including upside-down
Cable:	Fixed, 4 wires x 0.75mm ² PVC, standard 1 meter

Note 2: To ensure that the valve is in an open position during commissioning of the system, the actuator will be delivered in open position and remain in this position until it is electrically operated first time.

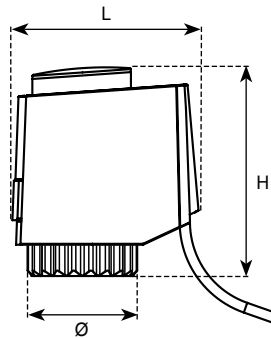
DIMENSIONS AND WEIGHTS (NOMINAL) (measured in mm unless noted)

Actuator	Valve size	L	Ø	H		Weight ³ (kgs.)
				Min.	Max.	
EV.0.2 / EV.0.2.R	15 20 25	61.5	36.2	55.1	60.1	0.119
EV.0.3 / EV.0.3.R		48.4	36.2	54.2	59.2	0.108
EV.0.4 / EV.0.4.R						
EV.0.5 / EV.0.5.R						
EV.1.3 / EV.1.3.R						
EV.1.4 / EV.1.4.R						
EV.0.2.G	15 20 25	61.5	36.8	64.6	69.6	0.127
EV.0.3.G		48.4	36.8	64.2	69.5	0.116
EV.0.4.G						
EV.0.5.G						
EV.1.3.G						
EV.1.4.G						
		56.0	37.8	64.8	69.8	0.166

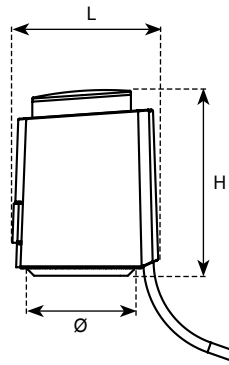
Note 3: The weight includes actuator, adaptor ring and 1 meter cable.



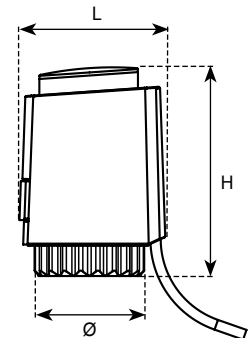
*FlowCon EV.0.2 / EV.0.2.R,
EV.1.3 / EV.1.3.R
and EV.1.4 / EV.1.4.R*



*FlowCon EV.0.2.G,
EV.1.3.G and EV.1.4.G*



*FlowCon EV.0.3 / EV.0.3.R,
EV.0.4 / EV.0.4.R
and EV.0.5 / EV.0.5.R*



*FlowCon EV.0.3.G,
EV.0.4.G and EV.0.5.G*

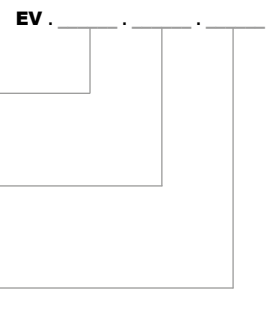
MODEL NUMBER SELECTION

Insert end switch:
0=no end switch
1=incl. end switch

Insert control type:
2=24V, 0-10V modulating (only without end switch)
3=230V ON/OFF
4=24V ON/OFF
5=110V ON/OFF (only without end switch)

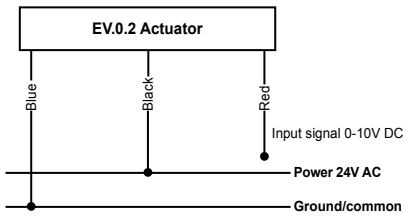
Insert type of adaptor ring:
Leave blank=black adaptor ring (for all FlowCon valves except FlowCon T-JUST and FlowCon EVC)
R=red adaptor ring (for FlowCon T-JUST)
G=grey adaptor ring (for FlowCon EVC)

Example: EV.0.3.B=FlowCon EV 230V ON/OFF actuator (with black adaptor ring) with end switch.

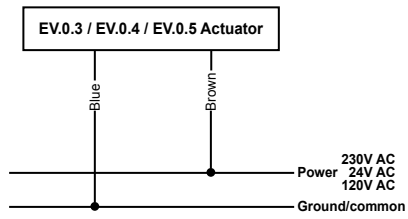


WIRING INSTRUCTION

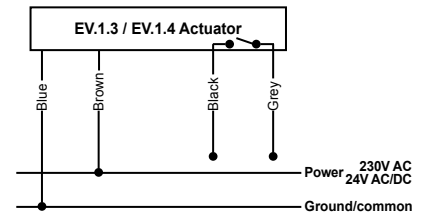
FlowCon EV.0.2



FlowCon EV.0.3 / EV.0.4 / EV.0.5



FlowCon EV.1.3 / EV.1.4



UPDATES

For latest updates please see www.flowcon.com

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