

Y20R...+16PPS3T/LQ Series Electric Stainless Steel Valve



Product Overview

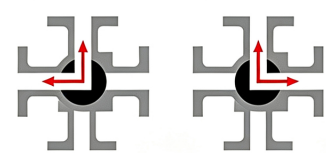
- Angular travel actuator for ball valves
- Power supply: AC 100–240V / AC/DC 24V
- Control modes: On-off / 2-point / 3-point / Analog (0(2)-10V, 0(4)-20mA)
- Feedback signal: Analog (0(2)-10V, 0(4)-20mA)
- For auxiliary switches type, contact customer service.

Product Model Overview

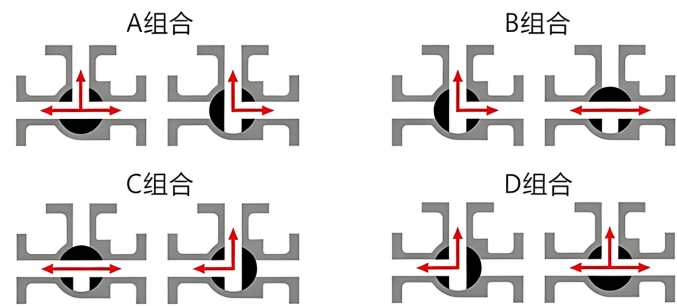
Product Models	Voltage	Control Mode
Y20R24+16PPS3T/LQ	24V AC/DC	On-off type
Y20R24-S+16PPS3T/LQ		On-off type with position feedback
Y20R24-MF+16PPS3T/LQ		Modulating type 4-20mA / 0-10V
Y20R230+16PPS3T/LQ	220V AC	On-off type
Y20R230-S+16PPS3T/LQ		On-off type with position feedback
Y20R230-MF+16PPS3T/LQ		Modulating type 4-20mA / 0-10V

Flow diagram

L-type three-way ball valve

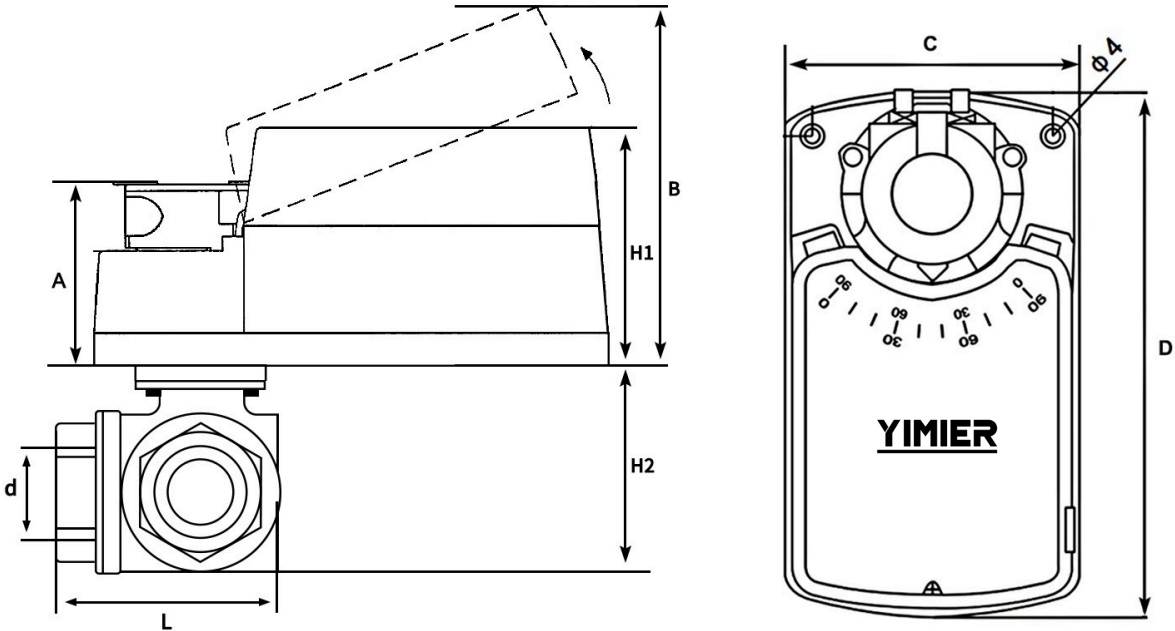


T-type three-way ball valve



Parameters& Dimensions (mm)

Valve Body Parameters		
Nominal Diameter		DN15-DN25
Nominal pressure		PN16
O-ring material		FKM
Material	Valve body	Stainless steel
	Plate	Stainless steel
	Seat sealing	PTFE
Temperature Range		0~120℃
Connection Type		Thread
Applicable Media		Water, air, oil, corrosive media



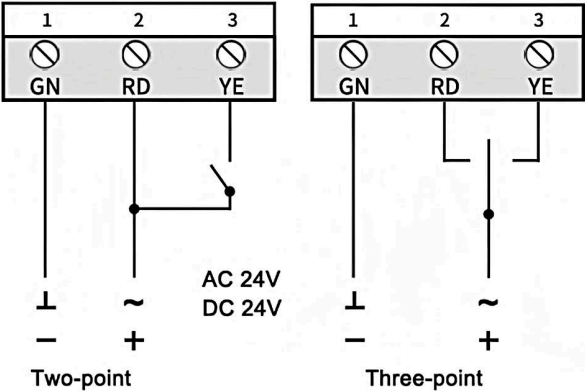
Name	Size	d	A	B	C	D	H1	H2	L
Y07R	DN8	10	44.6	91.6	84.8	161	66.6	52	68
	DN10	15	44.6	91.6	84.8	161	66.6	52	68
	DN15	19	44.6	91.6	84.8	161	66.6	52	68
	DN20	24	44.6	91.6	84.8	161	66.6	60	78
	DN25	32	44.6	91.6	84.8	161	66.6	65	83



Technical Parameter		
Size	Y20R24...	Y20R230...
Rated voltage	AC/DC24V	AC100...240V
Power consumption	4.5W (Run) / 0.5W (Standby)	
Wire Specification	0.5mm ²	
Terminal Specification	Max. 2.0mm ²	
Compatible Valve Size	DN15-DN25	
Rotation Direction	Manually adjust the reversing switch for switching	
Rotation Angle	Max. 95°	
Running Time	28s	
Noise Level	45dB	
Position Indication	Mechanical	
Electrical Class	III (Safety Extra-Low Voltage)	
Protection Class	IP54	
Operating Temp.	-20~+50°C	
Storage Temp.	-30~+80°C	
Max. Humidity	95% RH (non-condensing)	

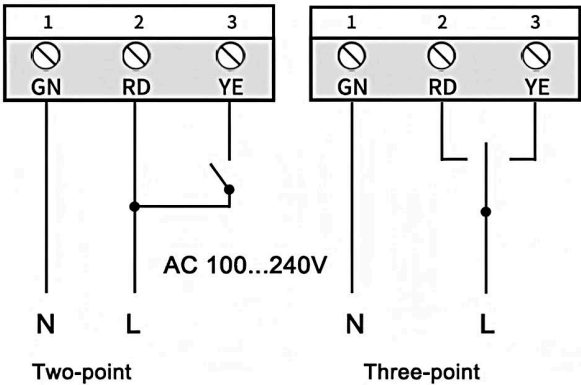
Wiring diagram

AC/DC24V Open/Close Actuator Wiring Diagram



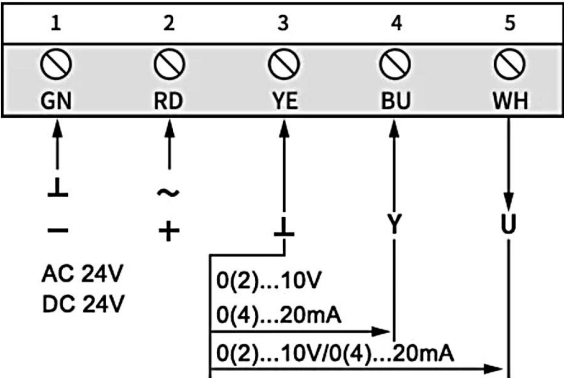
Model:
Y20R24+16PPS3T/LQ

AC220V Open/Close Actuator Wiring Diagram



Model:
Y20R230+16PPS3T/LQ

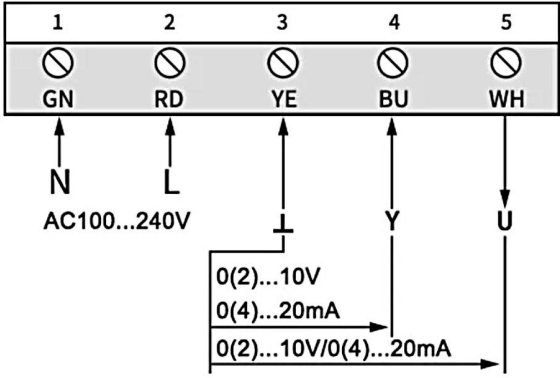
AC/DC24V Modulating Actuator Wiring Diagram



Voltage 0 (2) 10V input impedance ≥ 200K Ω
Voltage 0 (4) 20mA input impedance=500 Ω

Model:
Y20R24-MF+16PPS3T/LQ

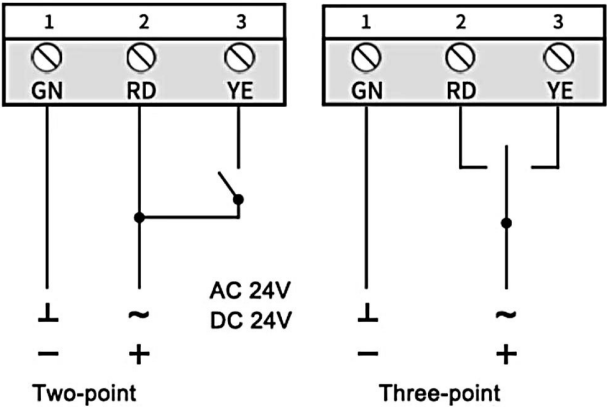
AC220V Modulating Actuator Wiring Diagram



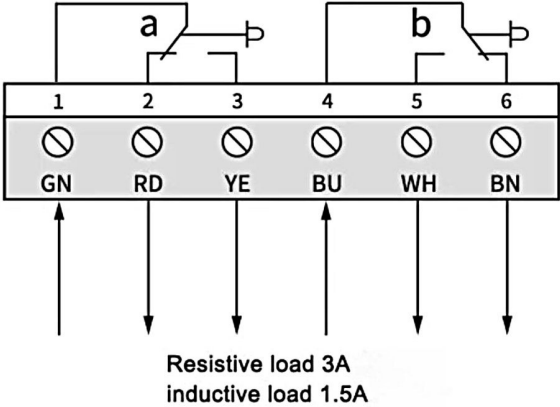
Voltage 0 (2) 10V input impedance ≥ 200K Ω
Voltage 0 (4) 20mA input impedance=500 Ω

Model:
Y20R230-MF+16PPS3T/LQ

AC/DC24V Open/Close Actuator with Feedback Wiring Diagram



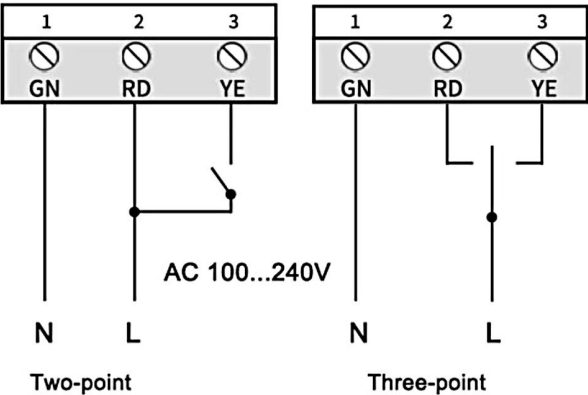
Model:
Y20R24-S+16PPS3T/LQ



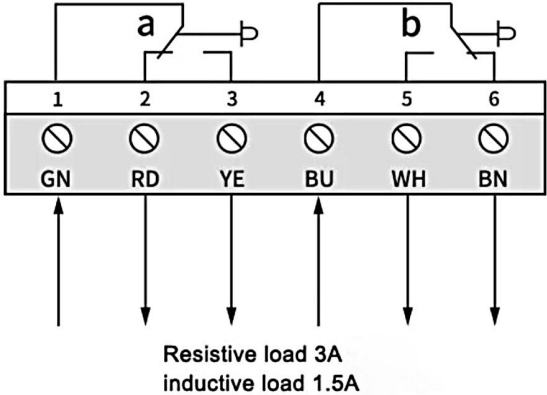
Resistive load 3A
inductive load 1.5A

Model:
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AC220V Open/Close Actuator with Feedback Wiring Diagram



Model:
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