

Y07/35R...+PVD... Series Electric PVDF Control Valve

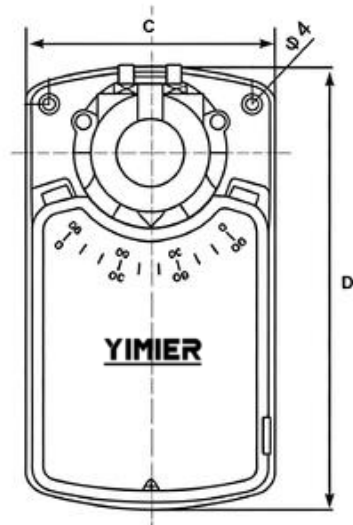
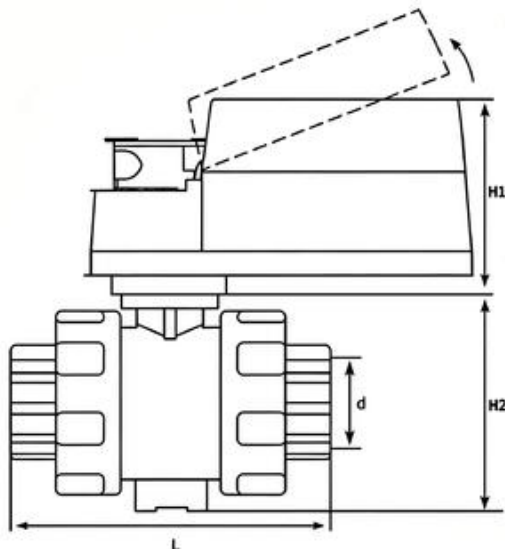


Product Overview

- Rotary 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.

Parameters & Dimensions

Valve Body Parameters			
Nominal Diameter		DN15-DN100	
Nominal pressure		PN10	
O-ring Material		FKM	
Material	Valve body	PVDF	
	Plate	PVDF	
	Seat seal	PTFE	
Temperature Range		0~100℃ 32~212°F	
Connection Type		True Union Hot Melt (Customized Threaded)	
Applicable Media		Water, air, oil, corrosive Media	



YIMIER Electric Control Valve

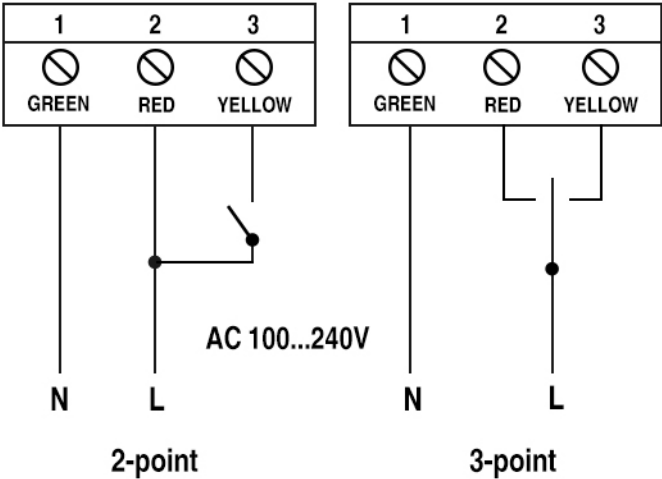
Name	Size	d	C	D	H1	H2	L
Y07R	DN15	21.3	84.8	161	67	56	110
	DN20	26.7	84.8	161	67	65	125
	DN25	33.4	84.8	161	67	76	140
	DN32	42.2	84.8	161	67	87	160
	DN40	48.3	84.8	161	67	101	170
	DN50	60.3	84.8	161	67	121	190
Y35RQ	DN65	73	100	180	70	150	230
	DN80	88.9	100	180	70	169.5	280
	DN100	114.3	100	180	70	190	335

Technical Parameter		
Model	Y07R...	Y35RQ...
Rated voltage	AC/DC24V AC100...240V	AC/DC24V AC100...240V
Power Consumption	4.5W (Run) / 0.5W (Standby)	12W (Run) / 0.5W (Standby)
Wire Specification	0.5mm ²	
Terminal Specification	Max.2.0mm ²	
Compatible Valve Size	DN15-DN50	DN65-DN100
Rotation Direction	Manual switching via toggle	
Rotation Angle	Max. 95°	
Running Time	18s	30s
Noise Level	45dB	55dB
Position indication	Mechanical	
Electrical class	III (Safe low voltage)	
Protection Class	IP54	
Operating Temp.	-20~50°C -4~122°F	
Storage Temp.	-30~80°C -22~176°F	
Max. Humidity	95% RH (non-condensing)	

YIMIER Electric Control Valve

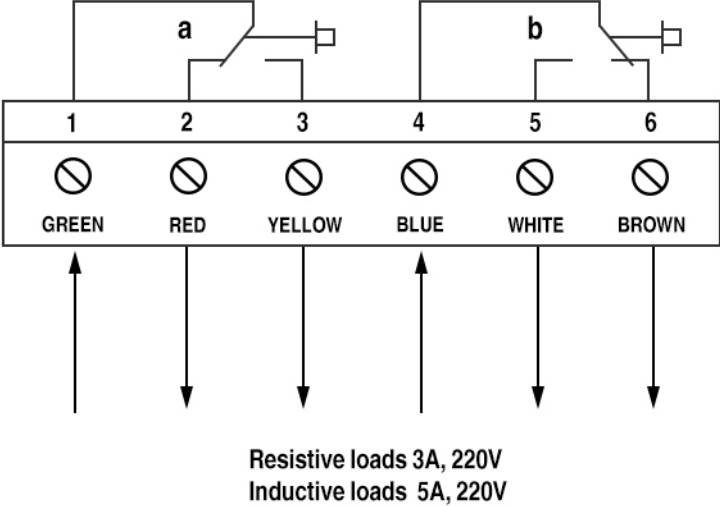
Wiring diagram

AC220V Wiring diagrams



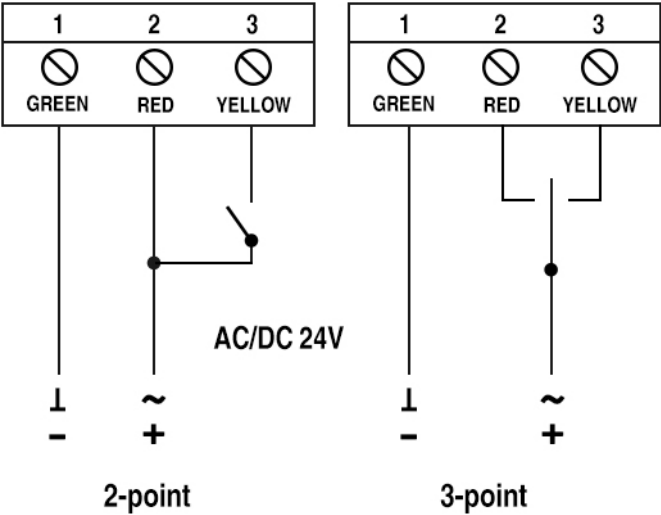
Model:
Y07R230+10PVDQ
Y35R230+10PVDQ

Auxiliary Switch Wiring diagrams



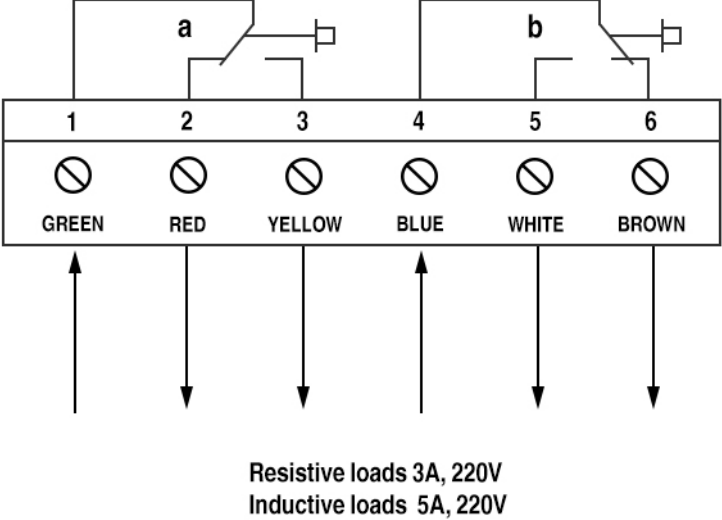
Model:
Y07R230-S+10PVDQ
Y35R230-S+10PVDQ

AC/DC 24V Wiring diagrams



Model:
Y07R24+10PVDQ
Y35RQ24+10PVDQ

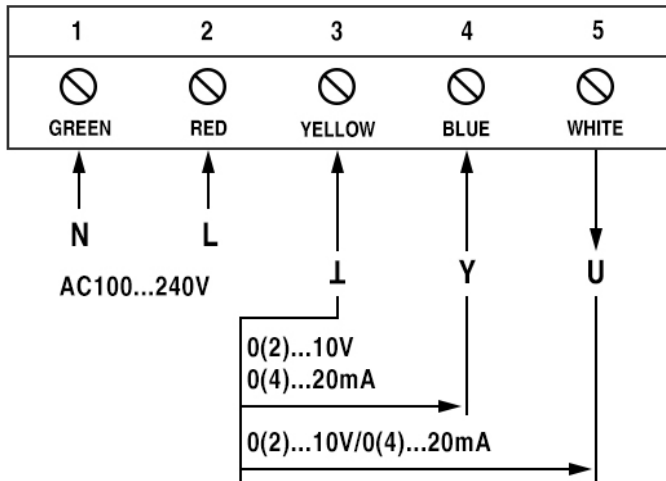
Auxiliary Switch Wiring diagrams



Model:
Y07R24-S+10PVDQ
Y35RQ24-S+10PVDQ

YIMIER Electric Control Valve

AC220V Modulating Actuator Wiring diagrams



Voltage 0(2)...10V Input Impedance $\geq 200K\Omega$

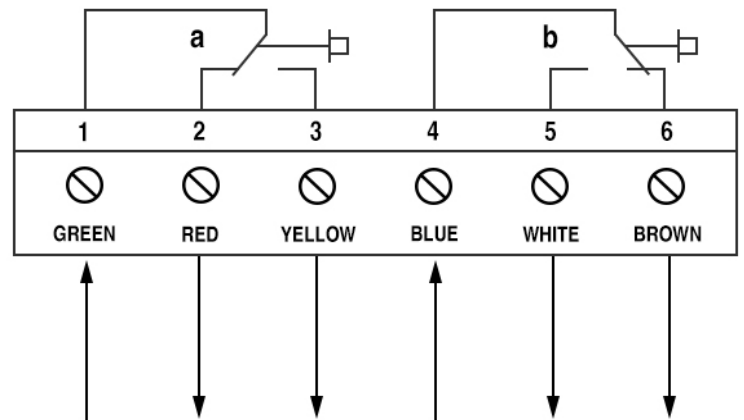
Voltage 0(4)...20mA Input Impedance =500 Ω

Model:

Y07R230-MF+10PVDQ

Y35RQ230-MF+10PVDQ

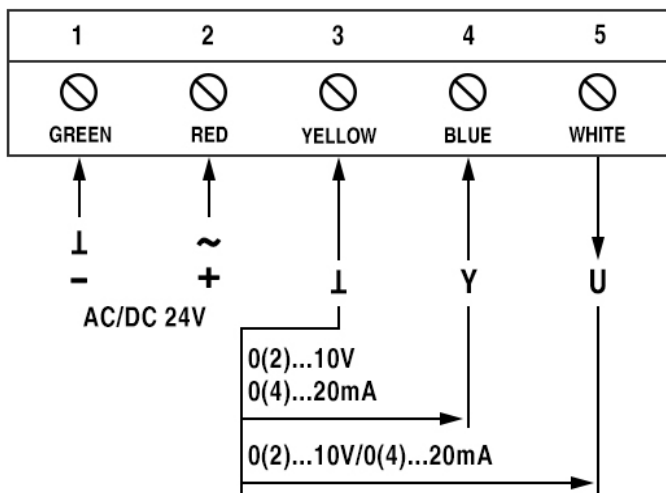
Auxiliary Switch Wiring diagrams



Resistive loads 3A, 220V

Inductive loads 5A, 220V

AC/DC 24V Modulating Actuator Wiring diagrams



Voltage 0(2)...10V Input Impedance $\geq 200K\Omega$

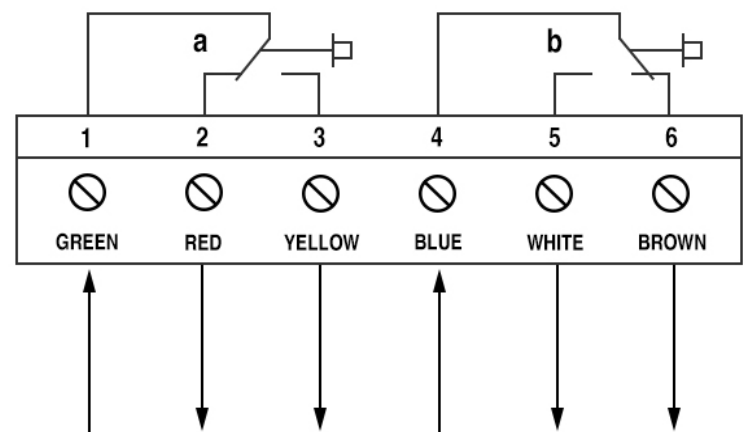
Voltage 0(4)...20mA Input Impedance =500 Ω

Model:

Y07R24-MF+10PVDQ

Y35RQ24-MF+10PVDQ

Auxiliary Switch Wiring diagrams



Resistive loads 3A, 220V

Inductive loads 5A, 220V