

Y07/35R...+UPVC... Series Electric UPVC Control Valve

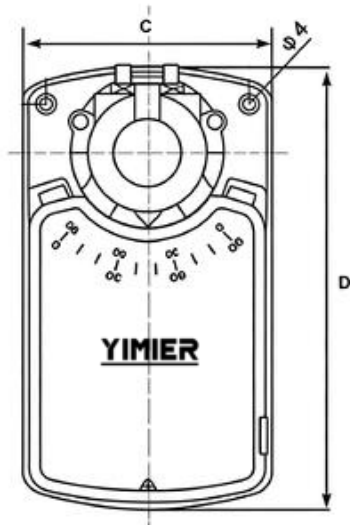
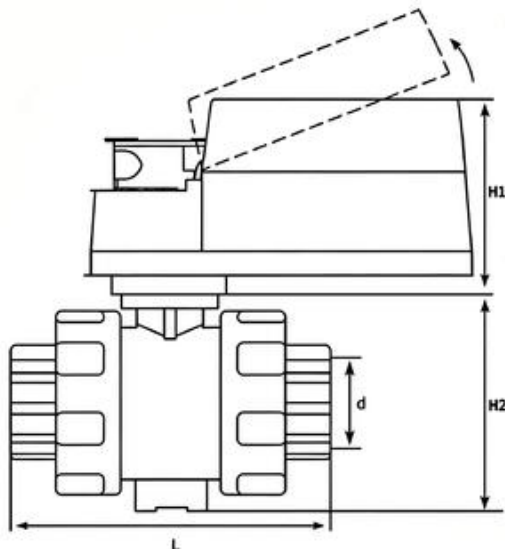


Product Overview

- 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		EPDM (Customized FKM)	
Material	Valve body	UPVC	
	Plate	UPVC	
	Seat seal	PTFE	
Temperature Range		0~60℃ 32~140°F	
Connection Type		True Union Solvent Cement (Customized Threaded)	
Applicable Media		Water, air, oil, corrosive Media	



YIMIER Electric Control Valve

Model	Size	d	C	D	H1	H2	L
Y07R	DN15	21.3	84.8	161	67	64	120
	DN20	26.7	84.8	161	67	76	135
	DN25	33.4	84.8	161	67	82.5	150
	DN32	42.2	84.8	161	67	96	167
	DN40	48.3	84.8	161	67	112.5	178
	DN50	60.3	84.8	161	67	136	204
Y35RQ	DN65	73	100	180	70	163.5	234
	DN80	88.9	100	180	70	191.5	259
	DN100	114.3	100	180	70	232	311

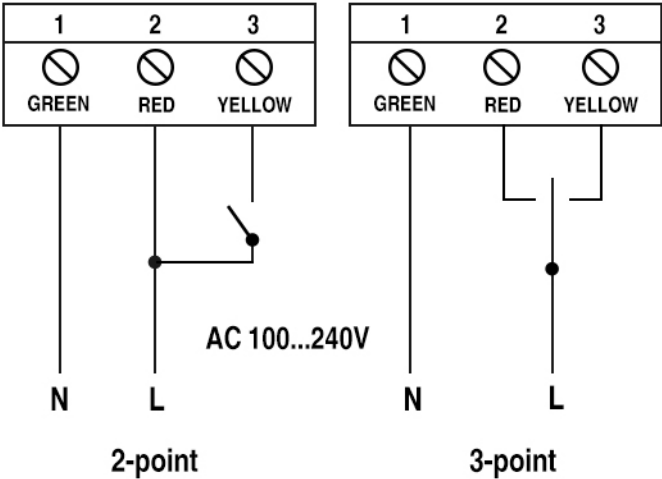
Technical Parameter		
Model	Y07R...	Y35RQ...
Rated voltage	AC/DC24V AC100...240V	AC/DC24V AC100...240V
Power Consumption	4.5W (Run) / 0.5W (Standby)	12W (Run) / 0.5W (Standby)
Wire Specification	0.5mm ²	
Terminal Specification	Max.2.0mm ²	
Compatible Valve Size	DN15-DN50	DN65-DN100
Rotation Direction	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)	

Application Conditions:

The YMER UPVC Electric Regulating Valve is primarily used across diverse industries including chemical processing, water treatment, food processing, pharmaceuticals, municipal infrastructure, environmental protection projects, petroleum, agricultural irrigation, seawater handling, paper & pulp, rubber manufacturing, and coal chemical industries. It is suitable for conveying and regulating media such as purified water, pharmaceutical liquids, food products, hot spring water, hot water, acid & alkaline solutions, wastewater/sewage, seawater, and chemical solutions.

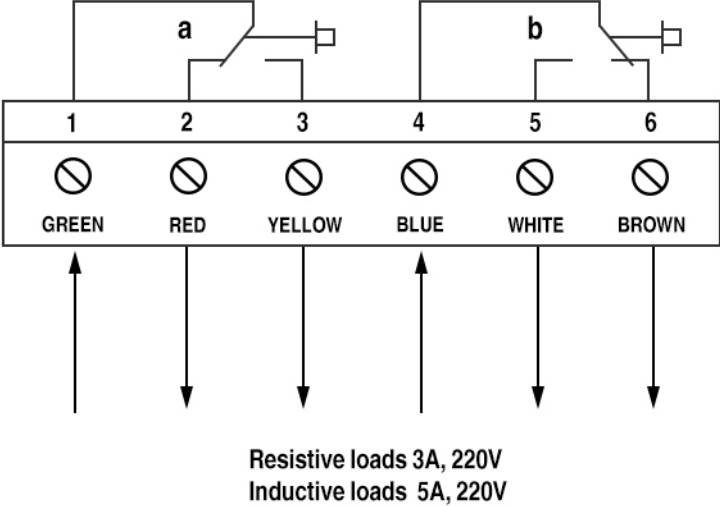
Wiring diagram

AC220V Wiring diagrams



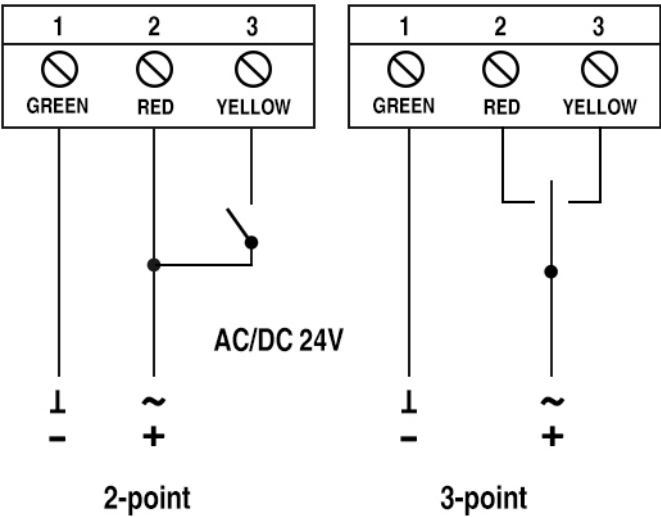
Model:
Y07R230+10UPYQ
Y35R230+10UPYQ

Auxiliary Switch Wiring diagrams



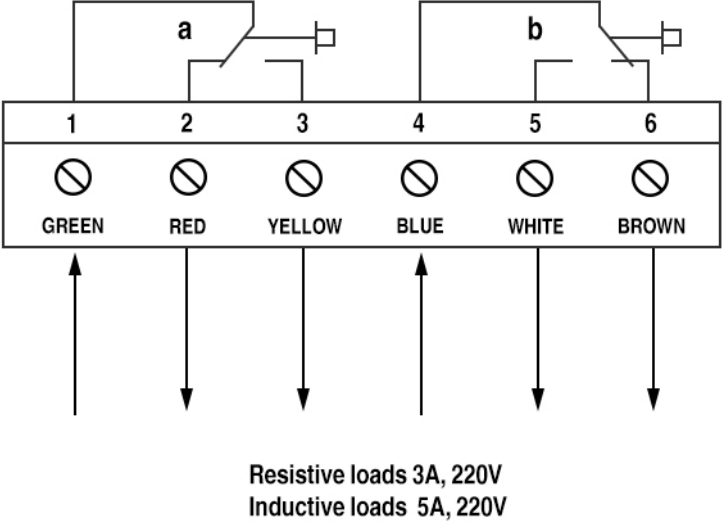
Model:
Y07R230-S+10UPYQ
Y35R230-S+10UPYQ

AC/DC 24V Wiring diagrams



Model:
Y07R24+10UPYQ
Y35RQ24+10UPYQ

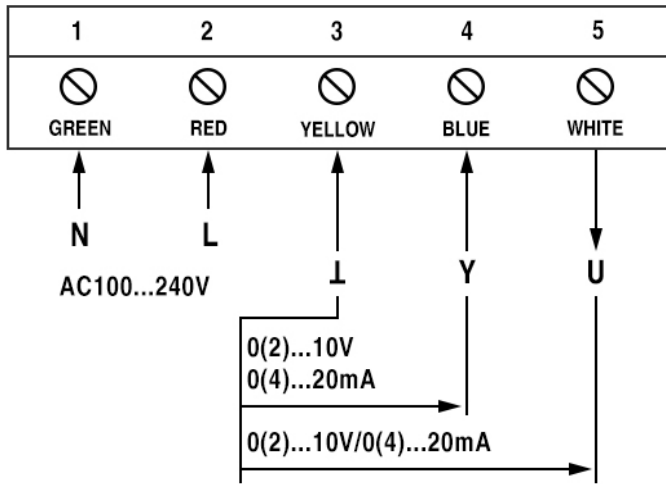
Auxiliary Switch Wiring diagrams



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

YIMIER Electric Control Valve

AC220V Modulating Actuator Wiring diagrams



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

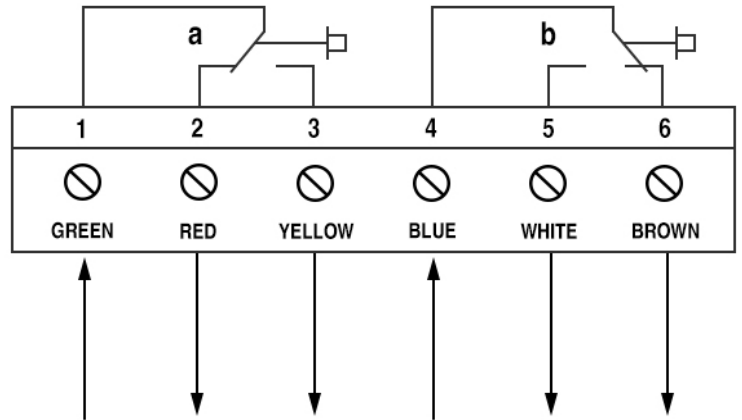
Voltage 0(4)...20mA Input Impedance =500 Ω

Model:

Y07R230-MF+10UPYQ

Y35RQ230-MF+10UPYQ

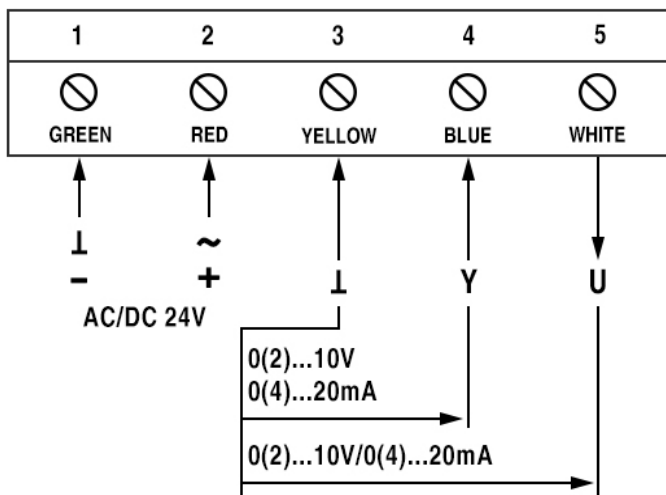
Auxiliary Switch Wiring diagrams



Resistive loads 3A, 220V

Inductive loads 5A, 220V

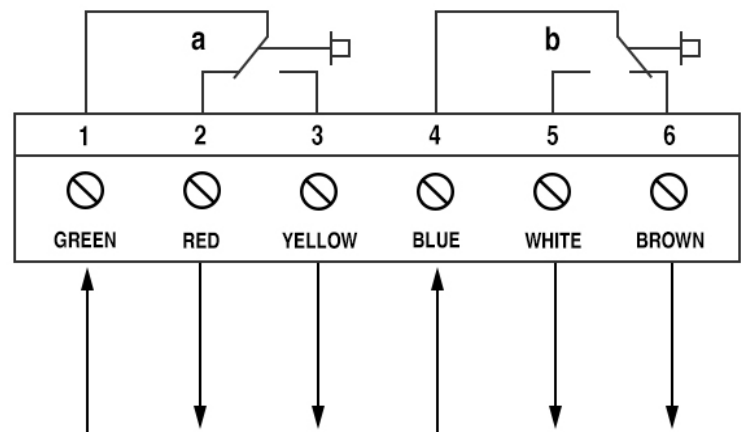
AC/DC 24V Modulating Actuator Wiring diagrams



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

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

Auxiliary Switch Wiring diagrams



Resistive loads 3A, 220V

Inductive loads 5A, 220V

Model:

Y07R24-MF+10UPYQ

Y35RQ24-MF+10UPYQ