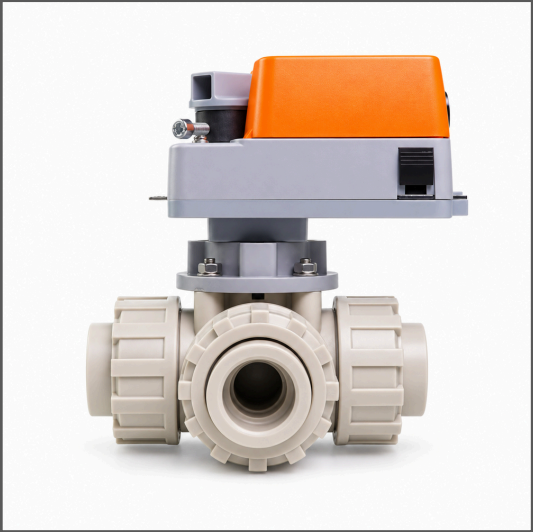




Y07/35R...+10PPH3T/LQ... Series Electric PPH 3-WAY Control Valve



Product Overview

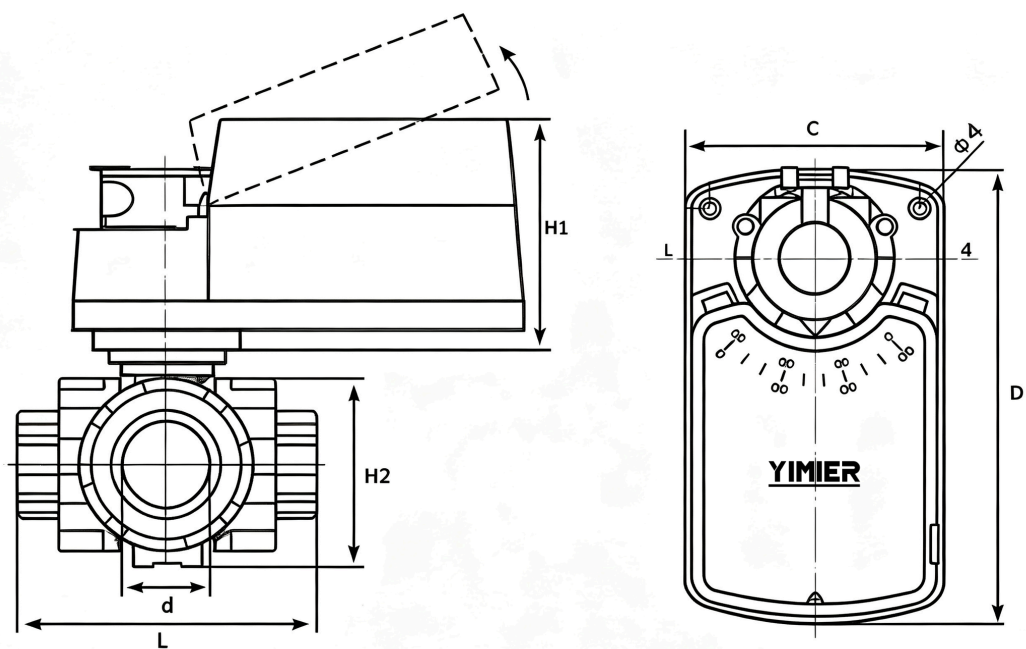
Quarter-Turn Actuator: Compact structure, space-saving design.
Power Supply: AC 100-240V or AC/DC 24V.
Control Modes:
On/Off Control / 2-Point Control / 3-Point Control.
Analog Control: 0(2)-10V or 0(4)-20mA.
Feedback Signal:
Analog Feedback: 0(2)-10V or 0(4)-20mA.
Auxiliary Switch Type (for valve position feedback) - Contact us for details.
Applications: Widely used in electronics, chemical, environmental water treatment, smart agricultural irrigation, and other industries.

Product Model Overview

Product Models	Voltage	Control Mode
Y07R24+10PPH3T/LQ	24V AC/DC	On-off type
Y07R24-S+10PPH3T/LQ		On-off type with position feedback
Y07R24-MF+10PPH3T/LQ		Modulating type 4-20mA / 0-10V
Y07R230+10PPH3T/LQ	220V AC	On-off type
Y07R230-S+10PPH3T/LQ		On-off type with position feedback
Y07R230-MF+10PPH3T/LQ		Modulating type 4-20mA / 0-10V
Y35RQ24+10PPH3T/LQ	24V AC/DC	On-off type
Y35RQ24-S+10PPH3T/LQ		On-off type with position feedback
Y35RQ24-MF+10PPH3T/LQ		Modulating type 4-20mA / 0-10V
Y35RQ230+10PPH3T/LQ	220V AC	On-off type
Y35RQ230-S+10PPH3T/LQ		On-off type with position feedback
Y35RQ230-MF+10PPH3T/LQ		Modulating type 4-20mA / 0-10V

Parameters & Dimensions (mm)

Valve Body Parameters			
Nominal Diameter		DN15-DN65	
Nominal pressure		PN10	
O-ring Material		EPDM (Customized FKM)	
Material	Valve body	PPH	
	Plate	PPH	
	Seat seal	PTFE	
Temperature Range		0~80℃ 32~176°F	
Connection Type		True Union Hot Melt (Customized Threaded)	
Applicable Media		Water, air, oil, corrosive Media	



Model	Size	d	C	D	H1	H2	L
Y07R	DN15	21.3	84.8	161	67	63	122
	DN20	26.7	84.8	161	67	75	143
	DN25	33.4	84.8	161	67	82	160
	DN32	42.2	84.8	161	67	95	187
	DN40	48.3	84.8	161	67	111.5	217
	DN50	60.3	84.8	161	67	135	226
Y35RQ	DN65	73	100	180	70	173	272



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	0.5mm²	
Terminal Specification	Max.2.0mm²	
Compatible Valve Size	DN15-DN50	DN65
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)	

Wiring diagram

AC/DC24V Open/Close Actuator Wiring Diagram

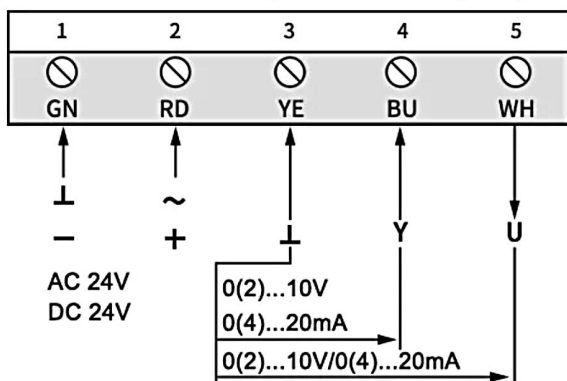
Model:
Y07R24+10PPH3T/LQ
Y35RQ24+10PPH3T/LQ

AC220V Open/Close Actuator Wiring Diagram

Model:
Y07R230+10PPH3T/LQ
Y35RQ230+10PPH3T/LQ



AC/DC24V Modulating Actuator Wiring Diagram



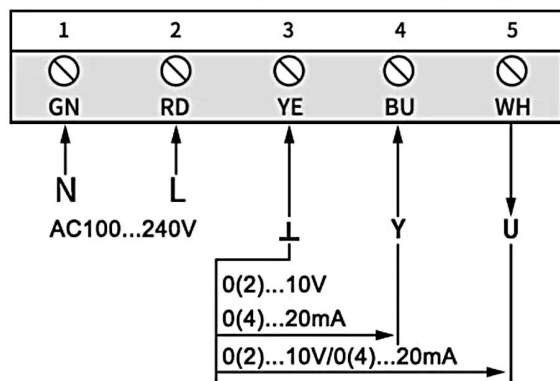
Voltage 0 (2) 10V input impedance $\geq 200K \Omega$
Voltage 0 (4) 20mA input impedance=500 Ω

Model:

Y07R24-MF+10PPH3T/LQ

Y35RQ24-MF+10PPH3T/LQ

AC220V Modulating Actuator Wiring Diagram



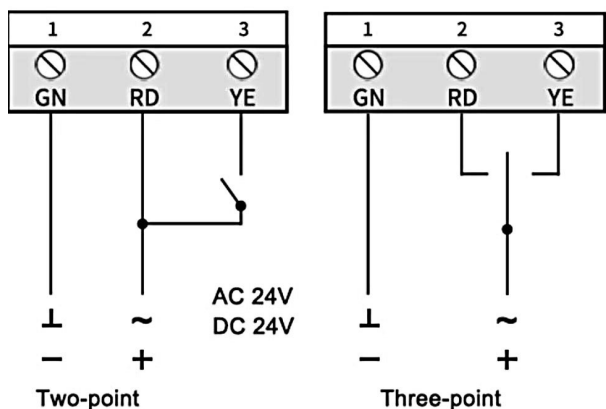
Voltage 0 (2) 10V input impedance $\geq 200K \Omega$
Voltage 0 (4) 20mA input impedance=500 Ω

Model:

Y07R230-MF+10PPH3T/LQ

Y35RQ230-MF+10PPH3T/LQ

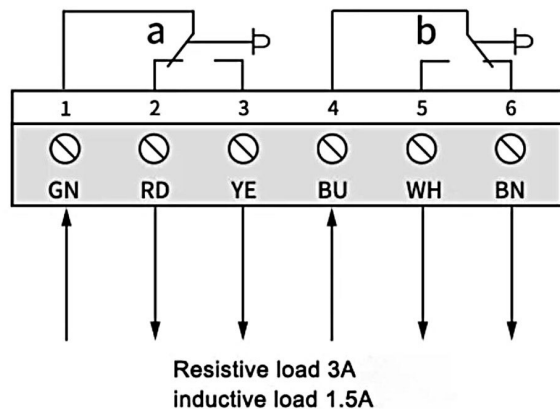
AC/DC24V Open/Close Actuator with Feedback Wiring Diagram



Model:

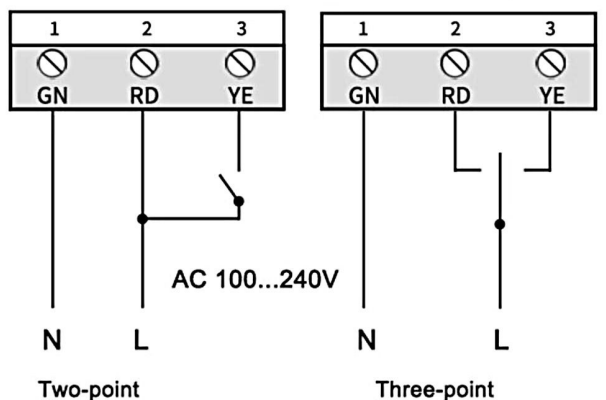
Y07R24-S+10PPH3T/LQ

Y35RQ24-S+10PPH3T/LQ



Resistive load 3A
inductive load 1.5A

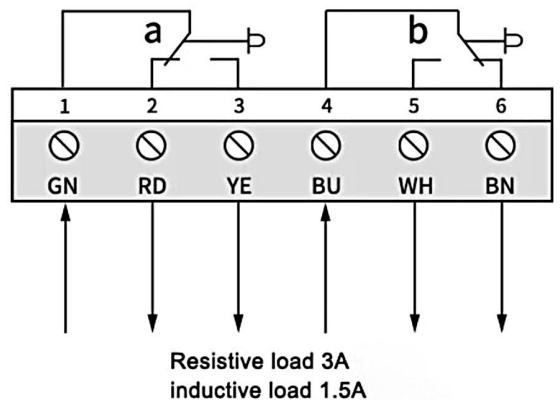
AC220V Open/Close Actuator with Feedback Wiring Diagram



Model:

Y07R230-S+10PPH3T/LQ

Y35RQ230-S+10PPH3T/LQ



Resistive load 3A
inductive load 1.5A