

PNEUMATRON

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POM20 - PLASTIC ELECTRIC ACTUATORS

ISO5211 MOUNTING STANDARD

PLEASE NOTE

There are Electronic Boards inside these valve actuators and therefore they should not be mounted on surfaces or pipes that vibrate excessively.

GENERAL SPECIFICATIONS:

Allowed Ambient Temperature for operation : -10°C to +70°C

Standard Rotation Angle Preset : 90°

Voltages: 220VAC, 24VAC, 12VDC or 24VDC(B & F Type)

Pressure: 0 to 10 Bar

Open/Close Time: 15 Seconds

Enclosure Rating: IP67 - Waterproof & Dustproof



ACTUATOR PART NO:	VOLTAGE Volts	POWER Watts	CURRENT Amps	PRESSURE Bar	90° RUNTIME Seconds	TORQUE Output Nm	SHAFT	FLANGE	RATING
POM20A	220VAC	20W	0.25A	10 Bar	15S	25	11*11	F03/F05	IP67
POM20B(OLD)	24VDC	10W	0.5A	10Bar	15S	25	11*11	F03/F05	IP67
POM20C	24VAC	20W	0.25A	10 Bar	15S	25	11*11	F03/F05	IP67
POM20D	12VDC	10W	0.5A	10Bar	15S	25	11*11	F03/F05	IP67
POM20F(NEW)	24VDC	10W	0.5A	10Bar	15S	25	11*11	F03/F05	IP67

PLEASE NOTE: The New POM20F (Standard Stock) Wiring Diagram, included on page 2 of this data sheet, replaces the Old POM20B actuator wiring (page 3). We can rewire the new POM20F actuator to POM20B on request for older installation replacements, but this will require an minimum of 3 additional working days depending on order size.

PVC Valve Bodies Available in 1" (25mm) 1 1/2" (40mm) & 2" (50mm) BSP Female Threaded

PPH Valve Bodies Available in 1" (25mm) & 2" (50mm) BSP Female Thread



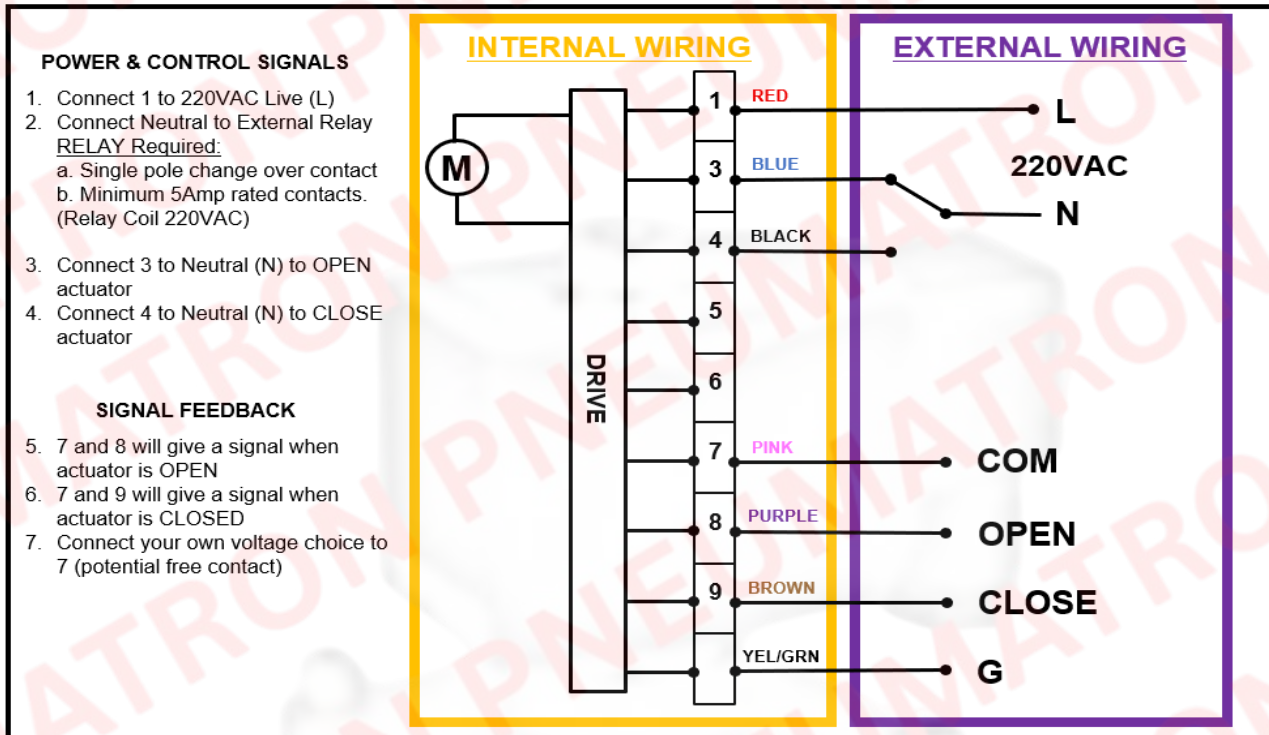
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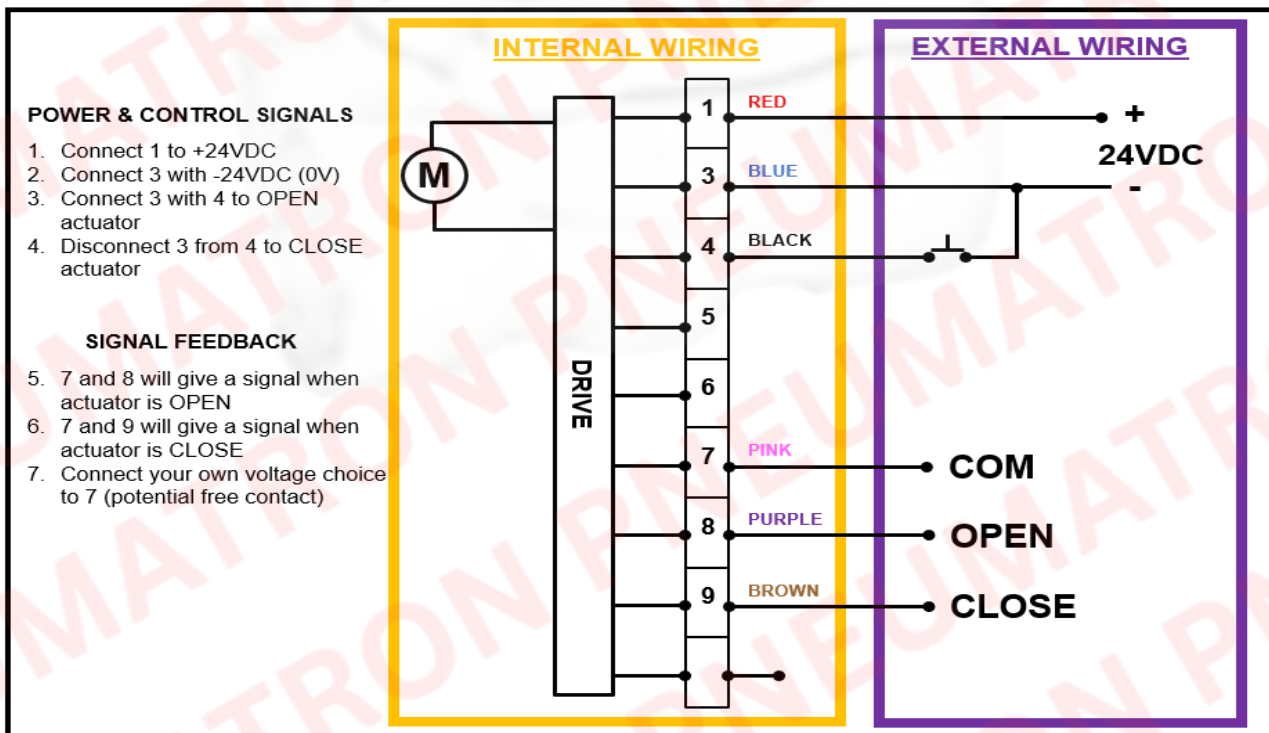
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Wiring diagram:

POM20A (220VAC) & POM20C (24VAC)



POM20F (24VDC - New Type)



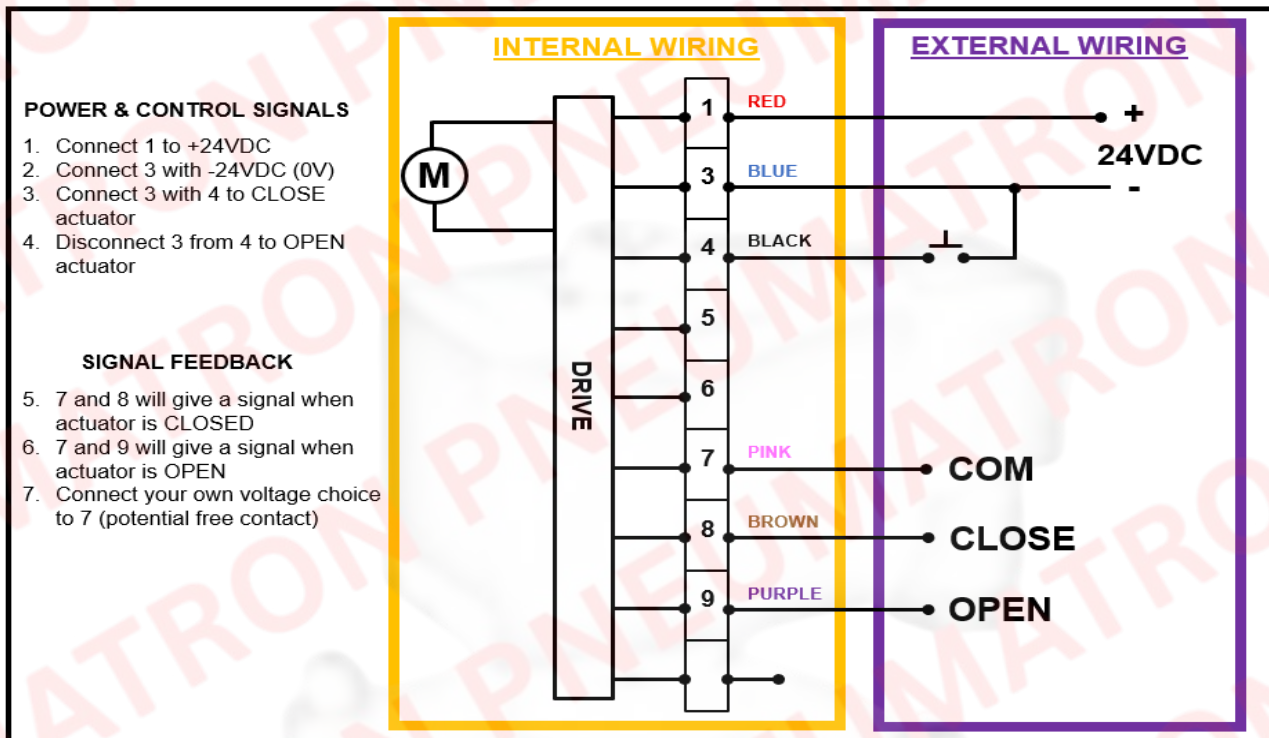
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Wiring diagram:

POM20B (24VDC - Old Type) & POM20D (12VDC)



INSTALLATION INSTRUCTIONS:

1. DO NOT USE OVERSIZED CABLE - recommended cable size 0.5mm core cable, otherwise maximum 0.75mm core cable.
2. Do not overtighten terminals.
3. These valves must not be mounted on vibrating pipes or surfaces because of electronic boards inside the actuator.
4. We can prewire the actuator on request at an extra charge.

MANUAL OVERRIDE PROCESS:

1. Remove or Switch Power off to the actuator. DO NOT ATTEMPT MANUAL OVERRIDE WITH ELECTRICAL POWER STILL ON THE ACTUATOR.
2. Find the Allen Key slot at the bottom of the actuator.
3. Using the Allen Key supplied with the actuator, insert the Allen Key into the allocated slot and push key slot in.
4. Turn the Allen Key into the direction you need the arrow (in top sightglass) to move, to achieve the desired position. (Check the sight glass on the top chamber of the actuator, to see whether the arrow indicates the valve is OPEN or CLOSE).

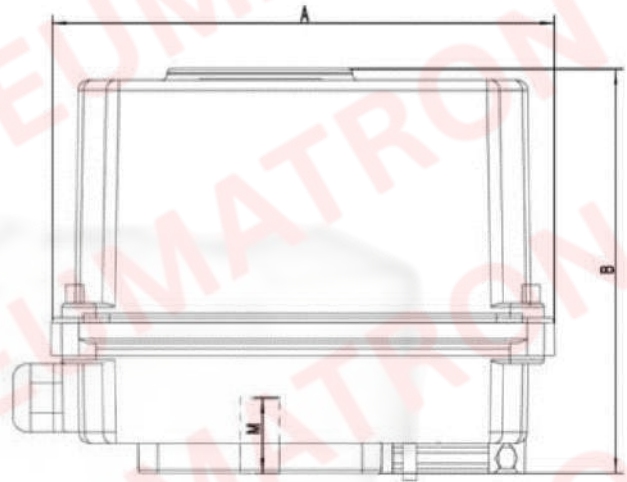
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Dimensions

POM20 - DIMENSIONS



POM20	
A	136
B	133
C	5
D	160
E	20
F	36
K	50
N	57
IXJ	4xM5
GXH	4xM6
OXF	4xM6
M	17
L	11
ISO5211	F03/F05

SHAFT HOLE DEPT =17mm -11mm SQUARE

