

Sagiv Motorized Valves

RAPID *A new improved version of Sagiv's quality electrical ball valve actuator, for control of flow regulation of liquids and different gases under pressure, suitable for industrial, agricultural and construction systems.*

► **CHARACTERISTICS:**

- Speedy three seconds open/close operation.
- Power supply: 12V/24V AC/DC- preset in factory.
- Waterproof.
- Working temperatures:
Working temp. 100°C.
Short term temp. 140°C.
- 90° revolution between open and closed positions.
- Optional auxiliary output to indicate fully opened valve position.
- Single switch operation.

► **CONFIGURATION:**

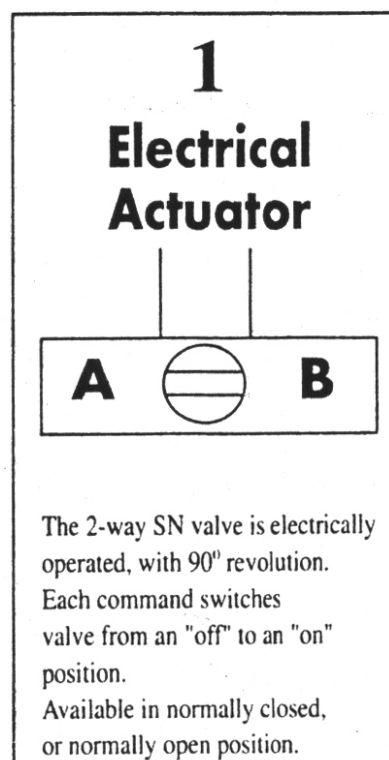
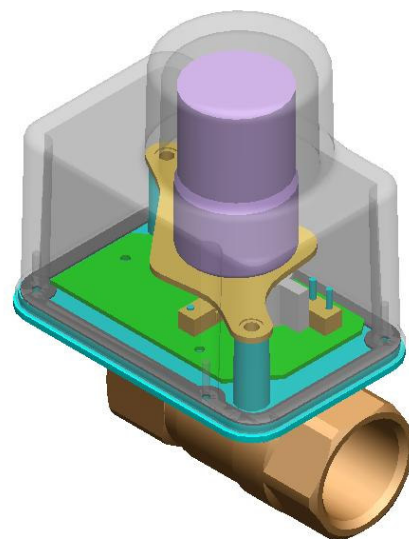
- Valve sizes: ½", ¾", 1".
- Power inlet options: 12V DC, 12V AC, 24V DC, 24V AC.
- Normally Open (N.O.) / Normally Closed (N.C.).
- Optional LED indication for fully open valve position.

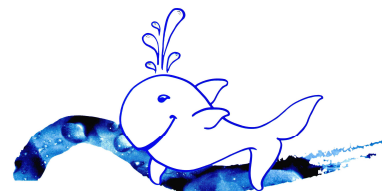
► **APPLICATIONS:**

Temperature control in Heating/cooling systems.
Liquids release in high pressure systems.
Flow control in agriculture and industry water systems.
Fuel systems to control burners.
Gas flow regulation.
Steam systems (low temperature), laundries, kitchens etc...

► **ADVANTAGES:**

- Speedy open/close operation.
- Easy installation.
- Reliable.
- Heavy duty.



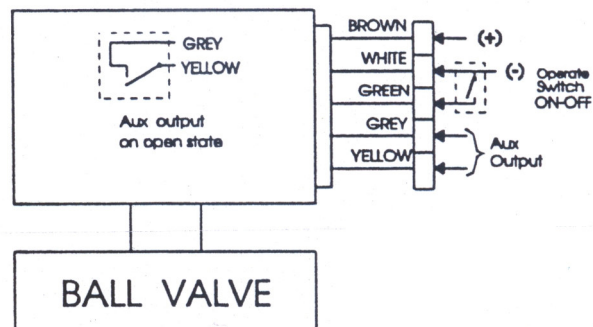


WIRING ORDER ON DCV POWER NORMALLY CLOSED

When the brown wire is attached to the main power point (+) and the white wire is attached to the main power point (-) the valve is closed.

When the green wire is attached to the main power point (-) with ON/OFF switch, the valve opens and auxiliary output between the gray and yellow wire is achieved when the valve fully opens. The optional red LED will glow.

When the green wire is disconnected the valve automatically closes.

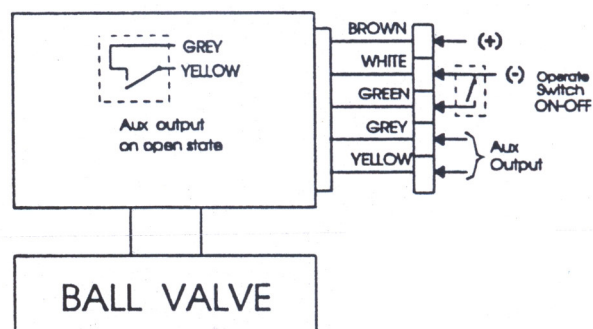


WIRING ORDER ON DCV POWER NORMALLY OPEN

When the brown wire is attached to the main power point (+) and the white wire is attached to the main

When the green wire is attached to the main power point (-) with ON/OFF switch, the valve closes and auxiliary output between the gray and yellow wire is achieved when the valve fully closes. the optional red LED will glow.

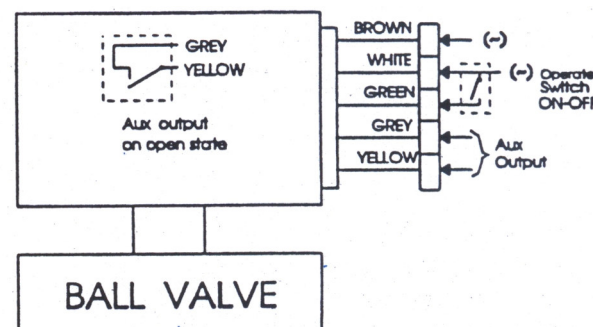
When the green wire is disconnected the valve automatically opens.



WIRING ORDER ON ACV POWER NORMALLY CLOSED

When the brown and the white wires are attached permanently to the main power point 24 V. AC the valve is closed.

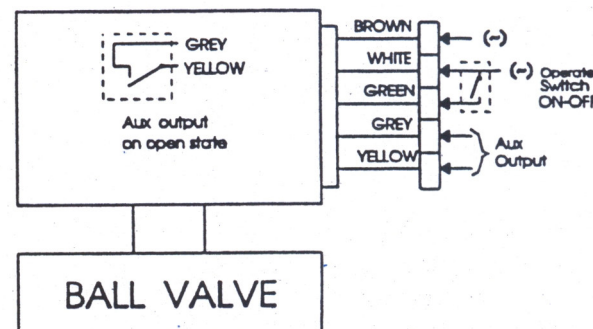
The attachment of the command wire (green) to one of the main power points with ON/OFF switch causes the valve to open and auxiliary output is obtained between the gray and yellow wires when the valve is fully opened. The optional red LED will glow. When the command wire (green) is disconnected the valve automatically closes.



WIRING ORDER ON AC.V POWER NORMALLY OPEN

When the brown and the white wires are attached permanently to the main power point 24 V. AC the valve is open.

The attachment of the command wire (green) to one of the main power points with ON/OFF switch causes the valve to close and auxiliary output is obtained between the gray and yellow wires when the valve is fully closed. The optional red LED will glow. When the command wire (green) is disconnected the valve automatically opens.



TECHNICAL DATA

TYPE OF ACTUATOR	POWER SUPPLY	NOMINAL CURRENT CONSUMPTION mA	MAX CURRENT CONSUMPTION mA	WORKING TEMP. IN °C	MAX TEMP FOR SHORT TERM °C	OPERATION TIME OPEN/CLOSE IN SECONDS
RAPID	24V.DC	Approx. 100	Approx. 200	-25 : 100	-25 - 140	3
	24V.AC	Approx. 100	Approx. 200	-25 : 100	-25 - 140	3
	12V.DC	Approx. 150	Approx. 350	-25 : 100	-25 - 140	3
	12V.DC	Approx. 150	Approx. 350	-25 : 100	-25 - 140	3