Jet  Tronics

The new 5/2 Way Pneumaticvalve (J-Valve)

Schwarzwaldstr.8
D-79219 Staufen
Tel.:+49 (0)7633-7937
Fax.:+49(0)7633-81649
www.jet-tronics.de
E-mail:horst.lenerz@t-online.de

This valve is attached directly to the receiver to control undercarriages with double acting zylinders.
It replaces the mechanical valve AND the servo plus linkage:

- The bottom measurements without connections aren't greater than a usual mechanical valve (L = 34 mm, B = 28 mm) in which the room is dropped for servo and linkage. The height is 29 mm.
- The connections consist of high-quality metal fast connections for tubes with 3 mm of outside diameter.
- The speed of delivering in and out of the undercarriage can be throttled.This happens by using restrictors which are attached at output 3.
- In the off condition both valves are closed while only one of the valves is open when operating, dependently on the position of the transmitter function.
- The remember function prevents that the undercarriage unintentionally works, if the transmitter function should be in a other position as on shutdown.
- The current consumption of 100 mA at 5 volts is by 50% lower than at the usual 1 watt valves.
- Viton sealings make the valve insensitive toward most oil sorts.
- The air throughput is around 40% higher and therefore very well suitable also for big undercarriages.

Adjusting the switching point is rather simple:

1. Switch on transmitter/receiver.
2. Transmitter function to undercarriage "IN".
3. Press button of the valve which has to be “ON” to deliver undercarriage. (this is dependent on the connections to the undercarriage cylinders)
4. Transmitter function on undercarriage "OUT".
5. Press other button and wait 2 seconds.

The learned switching points remain saved also after turning the receiver power off.

Technical data:

Supply voltage	3,5V..7.5V
Current consumption	100mA bei 5V
Pressure range	0 – 10 Bar
Measurements	34x28x29 mm L/B/H
Weight	55 gr
Connection:	3mm fast connectors (4mm possible if wanted)

Remark: The noise which the valve produces arises from current reduction and is normal

Jet Tronics

Connection diagram
Anschlußschema