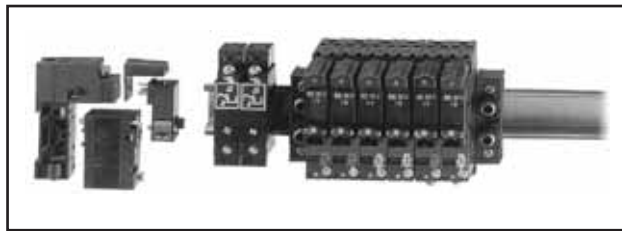




RS electro-pneumatic interface 3/2 and 4/2 manifold mounted solenoid valve

Data Sheet

The RS electro-pneumatic interface is a modular solenoid valve, purpose made for DIN rail manifold assembly. It has been designed primarily to act as an interface between electrical/electronic control systems and pneumatic drives. Its modularity and DIN rail assembly make it ideal for cabinet mounting, alongside the PLC or electrical/electronic control gear.

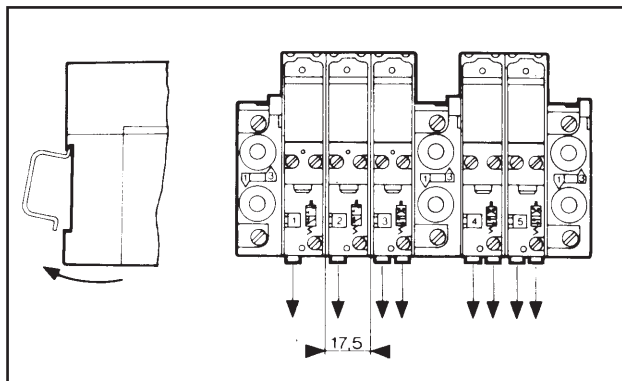


Product features:

- Low power consumption 1 watt
- High pressure 3-8 bars
- 2 valve types available with flows up to 400 litres/min (14cfm)

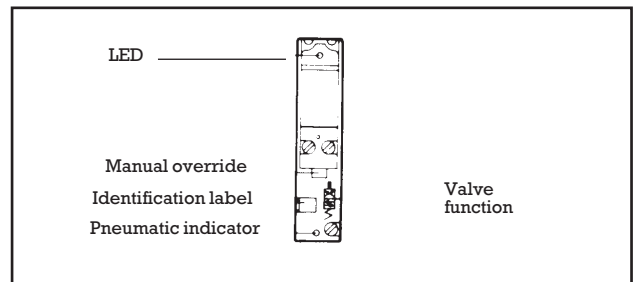
Fast and homogeneous installation:

- Standard top hat DIN rail mounting
- Valve modules of standard size: 17.5mm and 35mm wide
- Electrical common terminal interconnected (reduced wiring)
- Supply pressure and exhaust on manifold system.



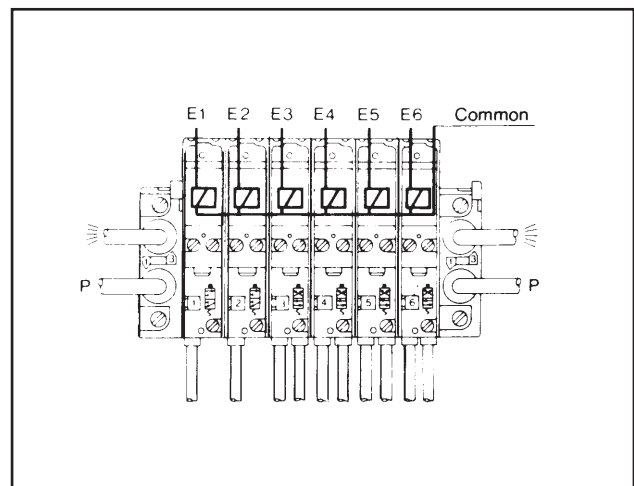
Easy maintenance and replacement facilities:

- Visual indication of electric signal
- Visual indication of pneumatic signal
- Manual override version for input simulation
- Identification of valve function
- Marking of electrical connections
- Marking of pneumatic connections



Simplified and systematic connections:

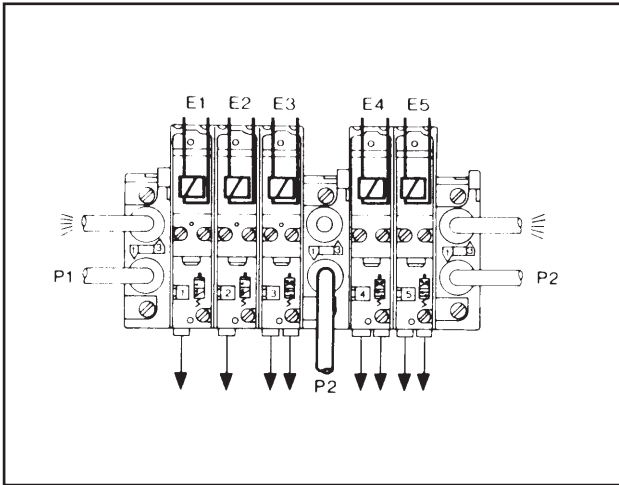
- Only one wire to connect per module (+Earth): common terminal is interconnected
- Only one tube to connect on each 3/2 module
- Only two tubes to connect on each 4/2 module
- Common integral functions
 - Electrical
 - Supply pressure
 - Exhaust.



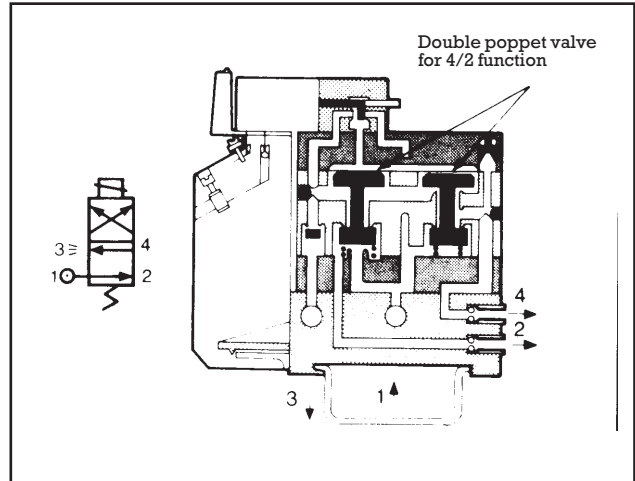
Other possibilities

Different supply pressures can be incorporated using an intermediate supply module.

The integral electrical common can be removed so that different supply voltages can be used on each module.



4/2 module
 solenoid/spring
RS stock no 722-851

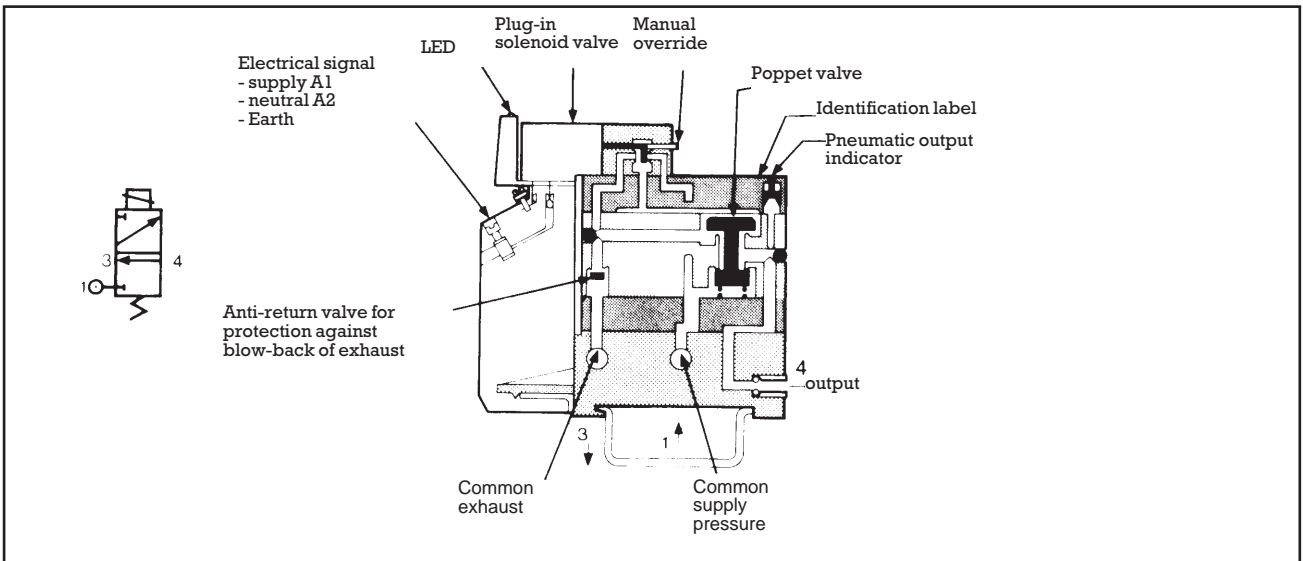


2 different valve types can be mounted on the same manifold.

3/2 module normally closed (NC)


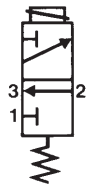
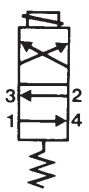
solenoid spring

RS stock no 722-845




Valve modules

3/2 or 4/2 module (poppet valve) kV=2.2

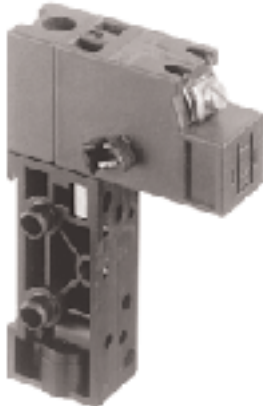

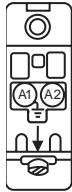
		<p>3/2 NC (normally closed)</p> <p>monostable requires sub-base:722-867 or 722-873</p>	38	722-845
		<p>4/2</p> <p>monostable requires sub-base:722-867 or 722-873</p>	38	722-851
<p>Characteristics supply pressure: 3-8 bars Ø of passage: 3mm Flow at 4 bars: 150dm³/min Ambient: -10 to +50°C</p> <p style="text-align: right;">kV: 2.2 Switching time of valve only: 10ms Switching time assembly: 20ms Mechanical life 15 × 10 operations</p>				

Pilot operators and sub-bases

Solenoid pilots (only 1W power consumption)

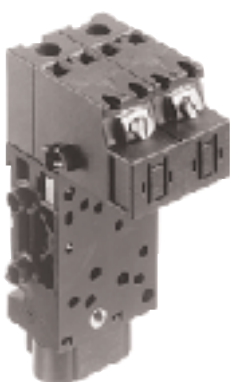
	Version	Consumption	Voltage	Weight (g)	RS stock no.
	Without manual override	1W	24V-DC	42	722-895
	With impulse manual override	1W	24V-DC	42	722-902
	With maintained manual override	1W	24V-DC	42	722-918
	With impulse manual override	2.5VA	110V 50/60Hz	42	722-924
	With impulse manual override	2.5VA	220V 50/60Hz	42	722-930

Single sub-base Ø4mm connections

	Ext Ø of tube (mm)	Weight (g)	RS stock no
	4	48	722-867
<p>Characteristics Electrical connections suitable for 0.75mm gauge wire Pneumatic connections made via push-in connections suitable for 4mm ext. dia. tube A sub-base will take</p>			
<p>Connections pneumatic</p>  <p>4 - pneumatic output 3/2 and 4/2 2 - pneumatic output 4/2</p>		<p>Electric</p>  <p>A1 - Supply A2 - Neutral - Earth</p>	

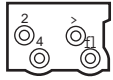
Double sub-base Ø6mm connections

Ext. Ø of tube (mm)	Weight (g)	RS stock no.
6	112	722-873



Connections

Pneumatic

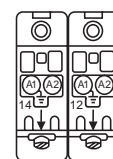


> -OUTPUT-RESET (NO)
 2 - NOT USED*
 ④ - NOT USED
 4-OUTPUT-OPERATING (NO)

*WHEN SUB-BASE USED WITH 4.2 SLIDE VALVE

N.B.
 Each sub-base can take 2 valves 3/2 or 4/2 or 1 valve 3/2 and 1 valve 4/2 monostable (17.5mm)

Electric




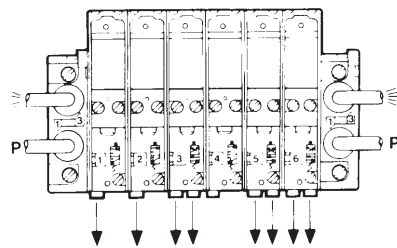
A1-CONTROL SIGNAL OPERATING (14)
 A2-COMMON
 A1-CONTROL SIGNAL RESET (12)
 A2-COMMON EARTH

Accessories

End sub-bases (one pair)

Ext. Ø of tube (mm)	Weight (g)	RS stock no.
6	86	722-889






Characteristics

2 supply connections (no 1)
 2 exhaust connections (no 3)
 Push-in connections Ø6mm

Intermediate supply module

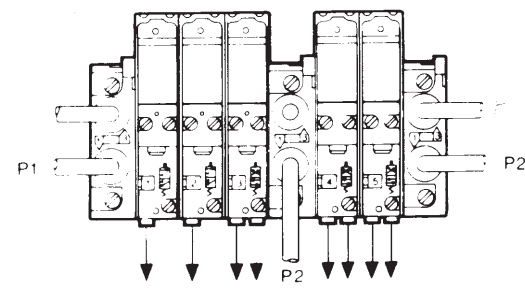
Ext. Ø of tube (mm)	Weight (g)	RS stock no.
6	44	722-974




Allows for different supply pressures to be introduced into the manifold

Characteristics

1 supply connection
 1 exhaust connection
 Push-in connections Ø6mm




Blanking plate



Weight (g)	RS stock no
12	722-980

Supplied with fixing screws

LED for interface






Voltage	Weight (g)	RS stock no
24V 50-60Hzdc	6	722-946
110v 50-60Hz	6	722-952
220V 50-60Hzdc	6	722-968

Colour: green
The LED is mounted by inserting it between the solenoid pilot and the valve module.

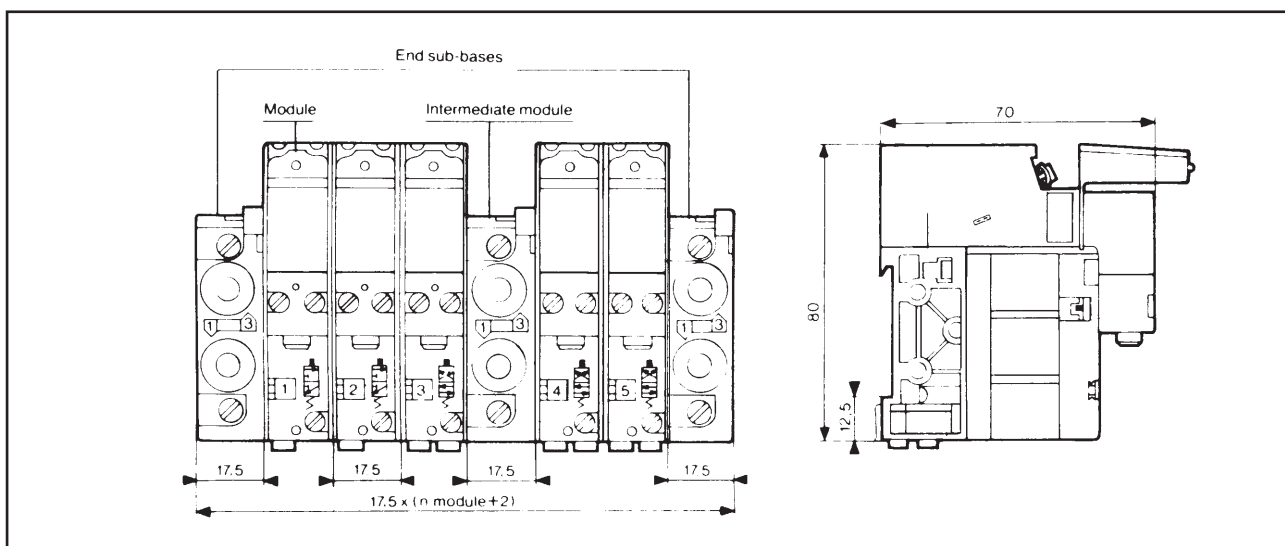
Pressure switches

Adjustable pressure switch 1-8 bar (DIN rail mounted)



Symbol	Version	Ext. Ø of tube(mm)	Weight (g)	RS stock no
	With manual override	4	48	723-012
	Without manual override	4	48	723-006

Dimensions 3/2 and 4/2 (poppet valve)



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