

Indicating Relays

First Out / Visual Indicator

(Up to and including 145 psi / 10 bar working pressure)



Superior Performance Throughout the Full Operational Range

- Compact Design
- Up to 145 psi / 10 bar Operating Pressure & Pilot Pressure
- Valve Body 316L Stainless Steel, NACE-MR-01-75 Compliant
- Up to 0.7 Cv

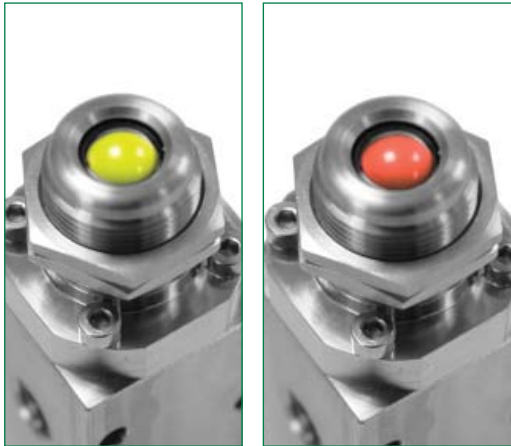


Features & Benefits

Introduction

Bifold's Indicating Relays, First Out / Visual Indicator type ranges have two functions. First, to indicate visually on a panel that a circuit malfunction has occurred and secondly, to quickly exhaust operating pressure from the system through the Main Supply Reset valve. The Indicating Relay valve with the Bypass function additionally provides the means to bypass the specific malfunctioning circuit without shutting down associated circuits.

First Out / Visual Indicator Valve



Standard Valve Equipment Design & Build

- Manufactured from 316L grade stainless steel as standard. The valves are suited for offshore and other corrosive atmospheres. Materials can be certified compliant to NACE MR-01-75 rendering the valves suitable for sour gas media.



Safety and Environmental Benefits

- Bifold has state of the art product qualification and production equipment including flow (Cv), environment (-70°C to +180°C), function and leakage testing, and data logging.
- Tolerant to moist air in control lines.
- Products are manufactured, inspected, assembled and tested in our state of the art production facilities.



Accuracy of information
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When selecting a product, the applicable operating system design must be considered to ensure safe use. The products function, material compatibility, adequate ratings, correct installation, operation and maintenance are the responsibilities of the system designer and user.

Quality Assurance
All Bifold products are manufactured to a most stringent QA programme to ensure that every product will give optimum performance and reliability. We are third party certified to BS EN ISO 9001:2008. Functional test certificate, letter of conformity and copies of original mill certificates, providing total traceability are available on request, to BS EN 10204 3.1 where available. We reserve the right to make changes to the specifications and design etc., without prior notice.

Overview

"T" Transmitting Type

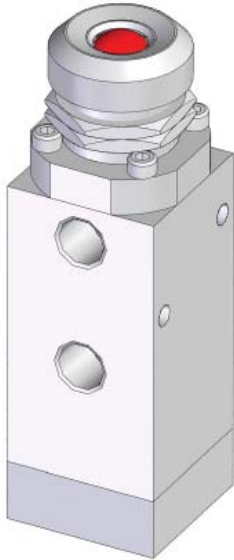
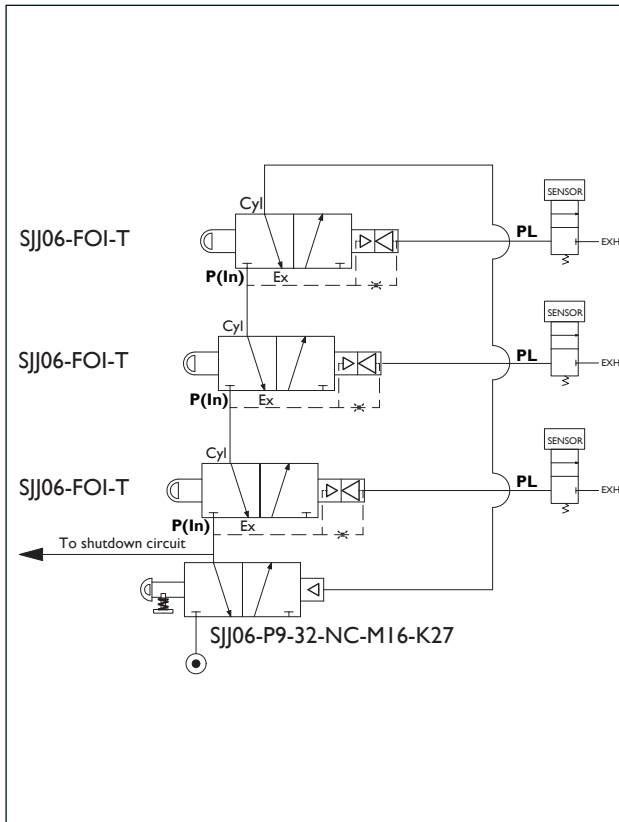


Image shown with the L123 (shroud) option.



SJJ06-FOI-T ("T" Transmitting Type)

The "T" type FOI's transmit a restricted pilot signal through to the sensor which blocks this signal allowing the pressure to build up and cause the FOI to move to the GREEN position, if the sensor is activated the PL is exhausted and causes the first out indicator to move to the RED position, all other first out indicators in the system remain green if their sensor remains intact.

"R" Receiving Type

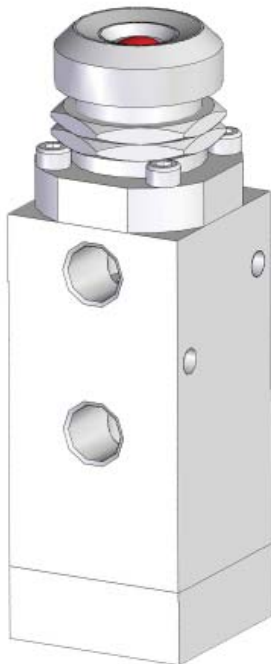
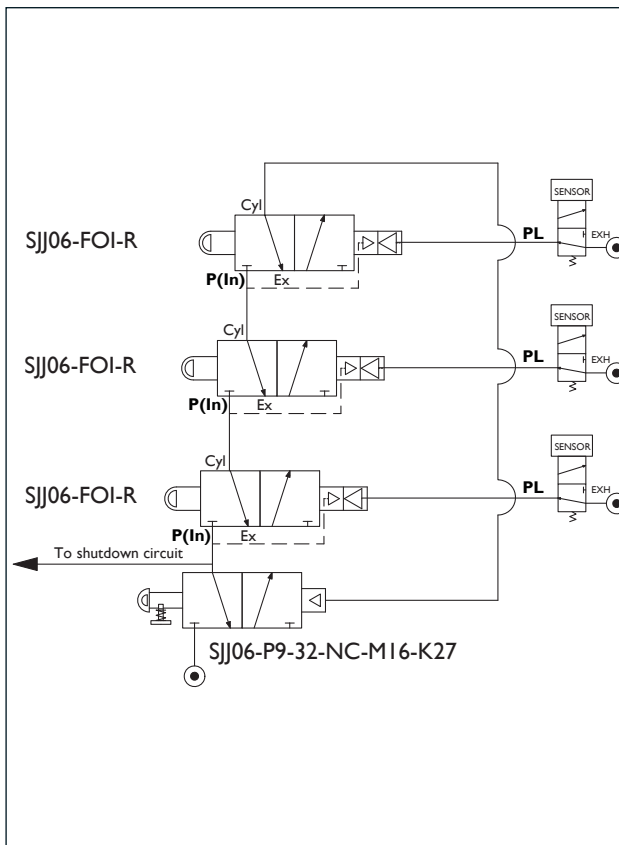


Image shown with the L123 (shroud) option.



SJJ06-FOI-R ("R" Receiving Type)

When PL is applied the valve moves to the open position and the indicator shows green even if there is no air on P(in).

When a sensor drops out, air is removed from PL, the valve closes and the indicator turns to red. The remaining circuit shuts down and the other indicators stay green provided their pilot signal remains on.

Overview

"RA" Receiving Type

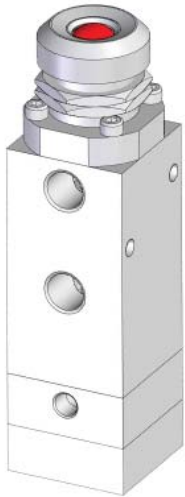
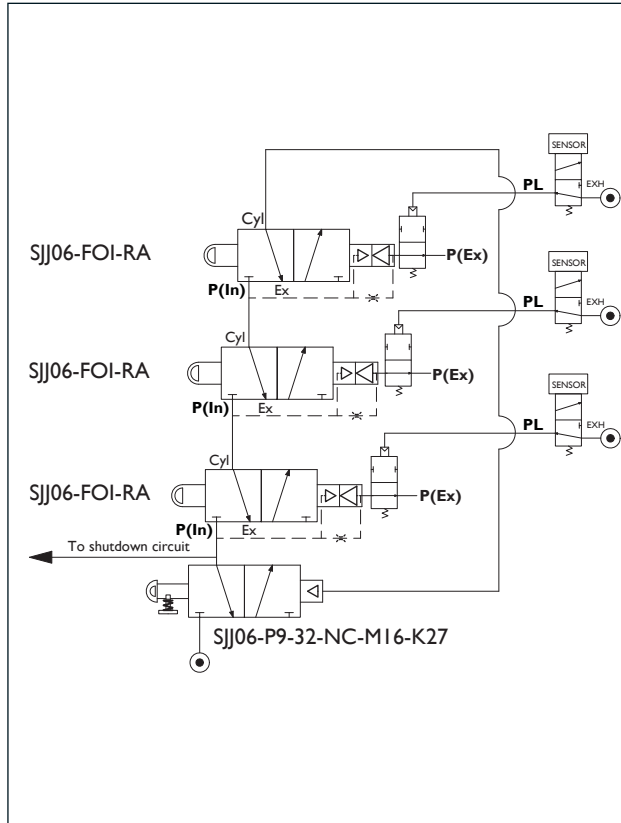


Image shown with the L123 (shroud) option.



SJJ06-FOI-RA ("RA" Receiving Type)

When **PL** and **P(in)** are applied the valve moves to the open position and the indicator shows green.

When a sensor drops out, air is removed from **PL**, the valve closes and the indicator turns to red. The remaining circuit shuts down and the other indicators stay green provided their pilot signal remains on.

Note: If **P(in)** is maintained by a special manual circuit, there will be a small venting discharge from pilot stage **P(Ex)**.

"RB" Receiving Type

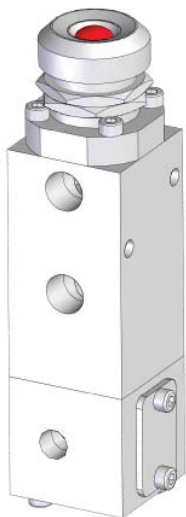
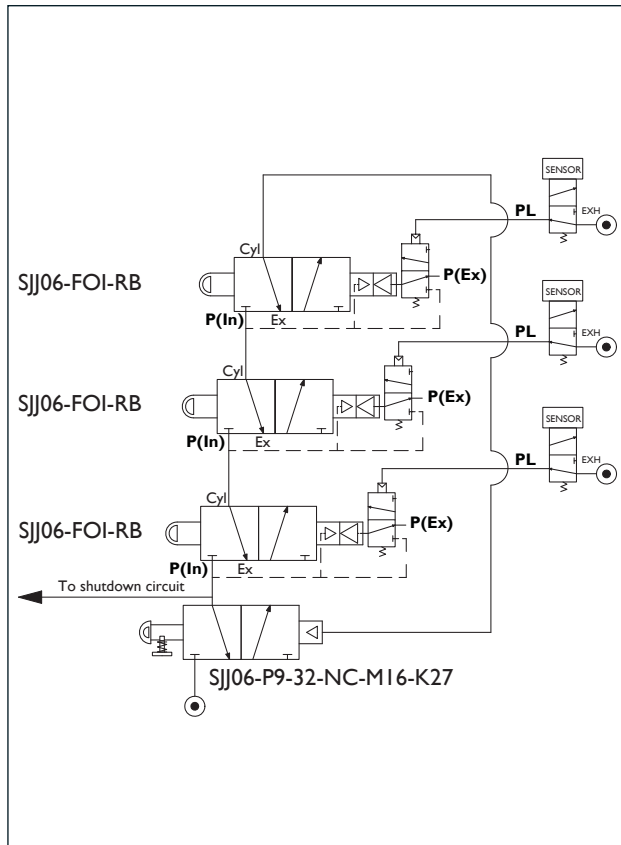


Image shown with the L123 (shroud) option.



SJJ06-FOI-RB ("RB" Receiving Type)

When **PL** and **P(in)** are applied the valve moves to the open position and the indicator shows green.

When a sensor drops out, air is removed from **PL**, the valve closes and the indicator turns to red. The remaining circuit shuts down and the other indicators stay green. The others will remain green even if their sensors subsequently shut down. Therefore only the first indicator to shut down goes red.


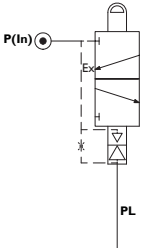

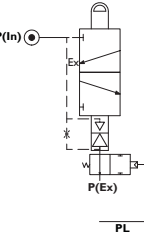

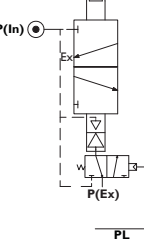
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Preferred Range

FIRST OUT INDICATOR PILOT VALVES - PREFERRED RANGE

Product	Schematic Representation	Page Number	Product Code	Product Description
 <p>SJJ06 Pilot Valve First Out Indicator "T" Transmitting Type</p>		6	SJJ06-FOI-T-L97	<p>1/4" NPT Ports, 3 Way 2 Position, Pilot Operated, First Out Indicator, Transmitting.</p> <p>Cv 0.7, 145 psi / 10 bar.</p>
 <p>SJJ06 Pilot Valve First Out Indicator "RA" Receiving Type</p>		6	SJJ06-FOI-RA-L97	<p>1/4" NPT Ports, 3 Way 2 Position, Pilot Operated, First Out Indicator, Receiving.</p> <p>Cv 0.7, 145 psi / 10 bar.</p>
 <p>SJJ06 Pilot Valve First Out Indicator "RB" Receiving Type</p>		6	SJJ06-FOI-RB-L97	<p>1/4" NPT Ports, 3 Way 2 Position, Pilot Operated, First Out Indicator, Receiving.</p> <p>Cv 0.7, 145 psi / 10 bar.</p>



Overview

Materials of Construction

- Valve: 316L Stainless Steel as standard.
- Fasteners: Metric A4 18/10 316L grade Stainless Steel.
- Seat Materials: Viton as standard.
- Springs: UNS R30003 and 316L stainless steel.
- Valve Ports: 1/4" thread milled NPT (BSPP options available).
- Pilot Ports: 1/8" thread milled NPT (BSPP options available).

IP66 & IP67 Ingress Protection to IEC 60529 and NEMA 4X.

Operating Pressure

22 psi / 1.5 bar - 145 psi / 10 bar mainstage working pressure.
22 psi / 1.5 bar minimum pilot pressure.

Flow Performance

0.7 Cv 25 SCFM 708 NL/min
[Conditions: PI = 6 bar dP = 1 bar]

Operating Media

- Filtered air
- Inert gas
- Sweet or sour gas

Temperature Rating

-15°C to +90°C (Standard).

Indicating Colours

- Red - Trip mode (Depressurised)
- Green - Working mode (Pressurised)

Mounting & Installation

- Panel mount - Ø26mm

For more information, please contact Bifold Sales Department.

SJJ06

SJJ06 Selection Chart - Ordering Example

SJJ	Standard	Model Code
06	1/4" NPT	Port Size
FOI	Pneumatic Pilot Valve	First Out / Visual Indicator
T	Transmitting Type	Transmitting & Receiving Types
R	Receiving Type	
RA	Receiving Type	
RB	Receiving Type	
L97	M25 x 1.5p Panel Mount Cap	Panel Mount Cap
K6	BSPP	Option
L123	Shroud	Option

SJJ 06 - FOI - R - L97 - K6 - L123 Ordering Example

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Instrument, Process, Directional Control Valves, Pumps and Actuator Electronic Control and Positioning

Bifold® Group

Pneumatic and Instrumentation Valves

Hydraulic Valves

Subsea Valves

Hydraulic Pumps, Intensifiers and Valves

Actuator Electronic Control and Positioning

Bifold®

Bifold FluidPower®

Bifold® Subsea

Bifold® Marshalsea

Bifold® Orange™

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Bifold, Bifold Fluidpower, Bifold Subsea, Marshalsea Hydraulics and Bifold Orange are all members of the Bifold Group.

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Innovative and Reliable Valve Solutions



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