

# Pressure Switch/ Micro Switch Type **IS100 Series**

- The pressure switch IS100 series can be utilized for automatic air pressure control in a wide variety of fields, such as industrial machinery or chemical plant.

Pressure adjustment range: 0.02 to 0.1 MPa

Electric wiring: Various wiring and entry methods can be selected.

Mechanical service life: 100,000 cycles

## How to Order

**IS 1 00 - 02**

Pressure switch • Port size Rc1/4

• Specifications

00	3-pin plug and socket
01	External terminals
12	Enclosed terminals

**IS 1 13 - 02 - 04**

Pressure switch • Port size Rc1/4

• Specifications

04	15a, G1/2
06	20a, G3/4

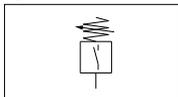
• Specifications

13	Enclosed terminals	With cable gland
14	Enclosed terminals	Female threaded

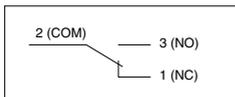
## Specifications

Model	IS100-02	IS101-02	IS112-02	IS113-02-□□	IS114-02-□□
Proof pressure	0.2 MPa				
Pressure adjustment range	0.02 to 0.1 MPa				
Hysteresis	0.0015 MPa or less				
Repeatability	±5% F.S.				
Fluid	Air				
Ambient and fluid temperature	-5 to 60°C (No freezing)				
Port size	Rc1/4				
Rated voltage	125/250 VAC 5A, 30 VDC 5A				
Mechanical service life	100,000 cycles				

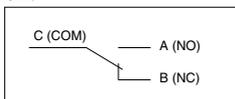
### Symbol



### Electrical circuit IS100

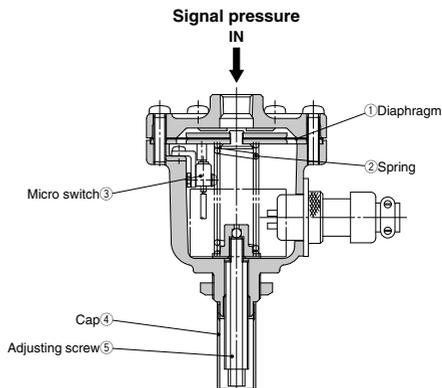


### Other



## Construction/Principle of Operation

Signal pressure enters the chamber above diaphragm ① and exerts downward force compressing spring ②. After sufficient deflection, contact with the plunger of the micro switch ③ is made operating the electrical circuit. As overtravel of diaphragm is prevented by an internal stop, the micro switch is not subject to extra load with increased pressure. On decrease of signal pressure the electrical circuit function is reversed. Contacts are available for N.C. or N.O. operation. Adjustment is carried out by removing cap ④ and rotating adjusting screw ⑤ as required changing spring load.



IP

IW

1301

AW

IL1□

IL2□

IT

CP□

IS

VFN

IN-

T□

