

Specifications

Item	148770
Model	General
Power supply voltage	5V ~ 240V AC/DC
Switching current	100mA
Contact capacity	10W Max.
Current consumption	N/A
Internal voltage drop	2.5V Max. @100mA DC
Leakage current	N/A
Switching frequency	200Hz
Impact resistance	50G
Circuit protection	N/A
Operating Temp.	-10°C ~ 70°C
Enclosure	IP64
Standard	CE marking, RoHS

Each size of the cylinder has its corresponding accessory.





Model	Reed Sensor
Lead wire length	2m
Additional specification	General type

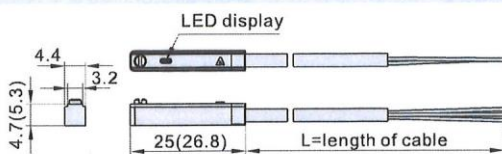
Ordering code for accessories

Cylinder Accessory



Category	Accessory		
Model	Cylinder Accessory		
	Stainless steel		
Cylinder	Code	For series	For bore size
	Φ6mm		Φ6

Dimensions



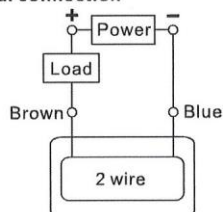
length of cable(L)
2000mm

Note: a number in the bracket is the dimension

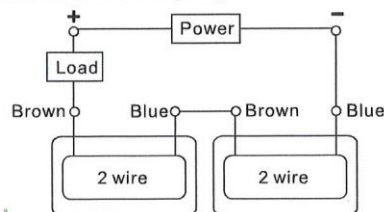
Connection method

2 wire, reed sensor connection

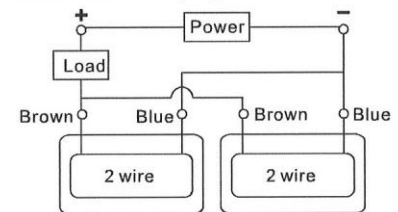
1. General connection

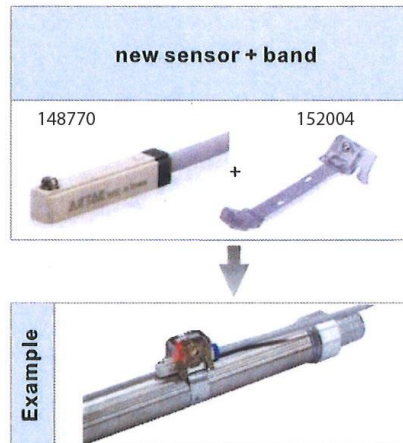


2. Series connection (And)

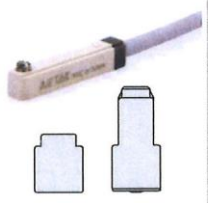
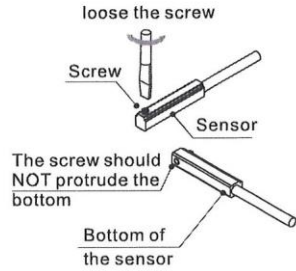
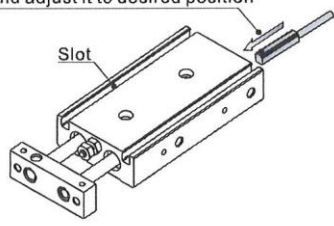
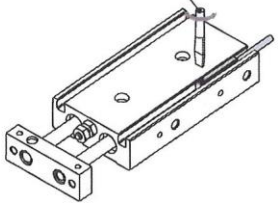
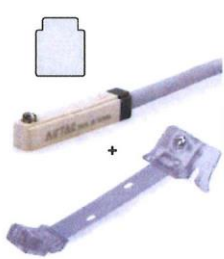
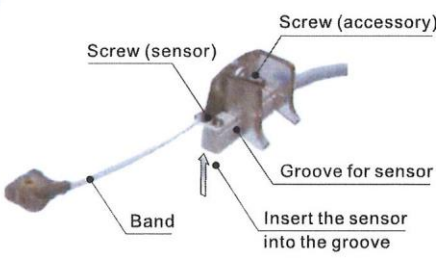
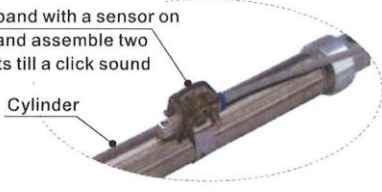
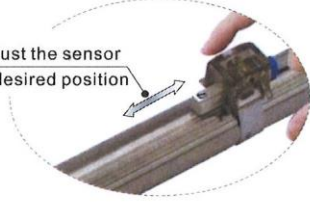



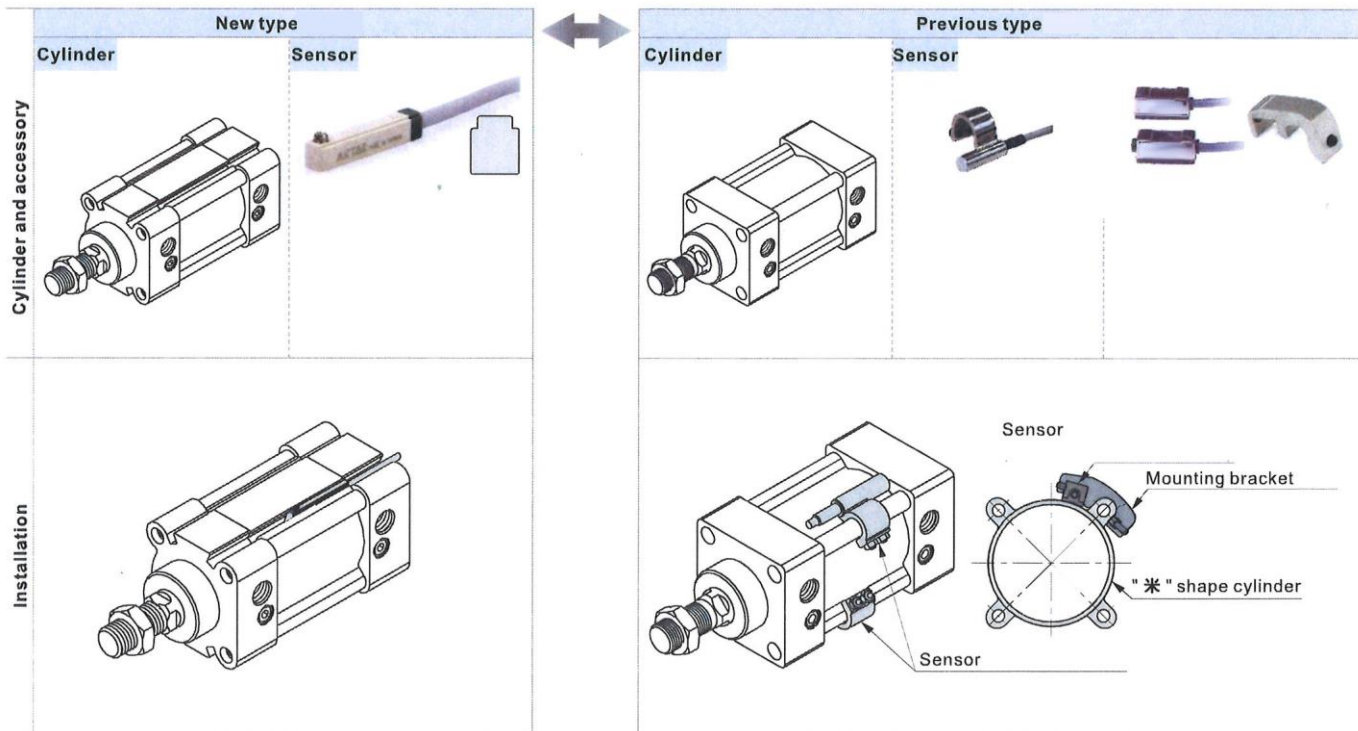
3. Parallel connection (OR)





Installation

Sensor model	Procedure			
<p>148770</p> 	<p style="text-align: center;">1</p> <p style="text-align: center;">loose the screw</p>  <p>The screw should NOT protrude the bottom</p>	<p style="text-align: center;">2</p> <p style="text-align: center;">Insert the sensor into the slot and adjust it to desired position</p> 	<p style="text-align: center;">3</p> <p style="text-align: center;">Tighten the screw</p> 	
<p>148770 + 152004</p> 	<p style="text-align: center;">1</p>  <p>Screw (sensor) Screw (accessory) Groove for sensor Band Insert the sensor into the groove</p>	<p style="text-align: center;">2</p> <p style="text-align: center;">Tie up the band with a sensor on a cylinder and assemble two plastic parts till a click sound</p>  <p>Cylinder</p>	<p style="text-align: center;">3</p> <p style="text-align: center;">Adjust the sensor to desired position</p> 	<p style="text-align: center;">4</p> <p style="text-align: center;">Tighten the screw</p> 



Instruction

1. Sensor shall not fall down or bear great impact when it is installed.
2. The wire of the Sensor shall not move with the action of cylinder.
3. Clamping torque shall be within the allowable scope when the Sensor is installed(0.15~0.2Nm).
4. Sensor shall be installed in the middle position of the action scope.
5. Sensor wiring:
 - A. The wire is unable to bear repetitive torsion and tension. Please wire an external load before switch the power on.
 - B. No poor insulation in wire.
 - C. Do not wire with power line, high voltage line or use one wiring pipe.
 - D. Pleas wire the circuit correctly base on the circuit diagram.
6. Execute scheduled maintenance by the following guidelines:
 - A. Make sure the sensor is firmly fixed.
 - B. Make sure the wire is intact.
 - C. Make sure that LED indicate the movement of cylinder correctly.
7. Application of environment:
 - A. It is Not allow to use the sensor in the environment with explosive gas.
 - B. Magnetic sensor shall not be used in the environment with external magnetism.
 - C. Magnetic sensor shall not be used in the environment that is always eroded by water.
 - D. Magnetic sensor shall not be used in the environment with oil moisture or chemical substance.
 - E. Magnetic sensor shall not be used in the environment with periodically changing temperature.
 - F. Magnetic sensor shall not be used in the environment with excessively great impact.
 - G. Magnetic sensor shall not be used in the environment with sources of electrical pulse.
 - H. Avoid the environment with accumulated iron power and dense magnetic objects.