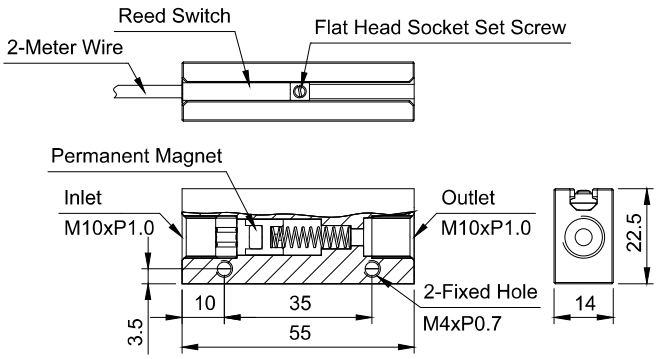
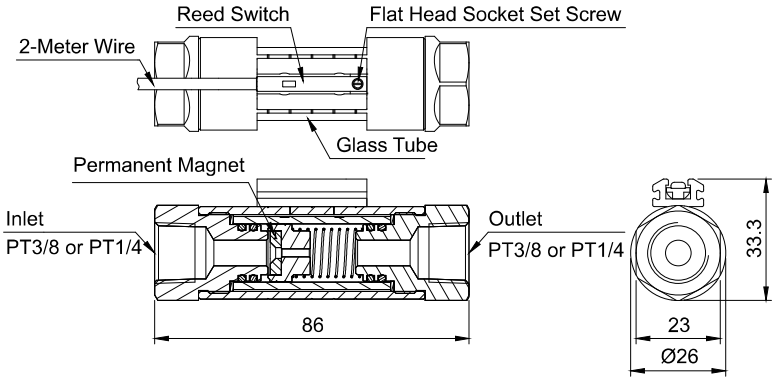
Magnetic Sensor Reed Switch (Standard Type / Large-Volume Type)



Standard Type Magnetic Sensor Reed Switch



Large-Volume Type Magnetic Sensor Reed Switch

◆Features

1. There are two contact types of magnetic sensor reed switches:
   - **NO Contact:** It sends a continuous signal when the oil flows through the pipes.
   - **NC Contact:** It sends a continuous signal when the oil does not flow through the pipes.
2. The movement of the permanent magnet activates the reed switch contacts without touching the oil in the pipe.
3. The user can place the reed switch in the required position. Its anti-vibration capability prevents sending false signals during vibration.
4. The installation angle of the magnetic sensor reed switch is not restricted, and the detection function is not affected by either vertical or horizontal positions.
5. A large-volume type magnetic sensor reed switch can work with a BS type transparent adjustable distributor's volume control base, extending to a maximum of six outlets optionally. It can adjust and monitor multi-pipe flow simultaneously.
6. Recommend working with oil filters with magnets inside that can filter iron filings from interfering with the permanent magnet of the sensor reed switch.
7. The standard type is suitable to work with resistance type or circulating type oil lubricators.
8. The large-volume type is suitable for the motor with a rotary oil pump (CYP-10A to CYP-13A) and circulating oil type lubricators.
9. The volume of oil would be less after flowing through the magnetic sensor reed switch due to it creates resistance when the oil enters.
10. The max flow rate and max pressure that the magnetic sensor reed switch can handle are affected by various factors, such as lubricant, temperature, viscosity, and spring force.

◆Operating Sequence

The oil in the pipeline stays still, or no oil in the pipeline. → The pump activates and brings oil flowing through the pipelines. → The flowing oil moves the permanent magnet from its original position. → The reed switch senses the displacement of the permanent magnet and starts contact switching. → The pump stops, and the permanent magnet returns to its original position.

Magnetic Sensor Reed Switch (Standard Type / Large-Volume Type)

CHEN YING

◆Technical Data & Dimensional Data

Type	Standard Type Magnetic Sensor Reed Switch	Large-Volume Type Magnetic Sensor Reed Switch
Volume Detection Range	50-500 cc/min	1-5 L/min
Max Operating Pressure	15 kgf/cm²	30kgf/cm²
Max. Current Load (Load in series connection is required.)	0.5A	0.5A
Suitable Viscosity	Oil, 32-90cSt@40°C	Oil, 32-90cSt@40°C
N.W. (g)	90	118

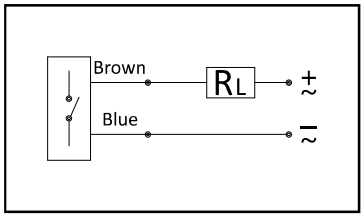
◆Order Code

DG ——— 10 ——— D005

Contact Type	
10	NO Contact
11	NC Contact

Specification	
D005	Standard Type, 0.5A, W/Light
DA02	Large-Volume Type, 0.5A, W/Light, PT1/4 Inlet & Outlet
DB02	Large-Volume Type, 0.5A, W/Light, PT3/8 Inlet & Outlet

◆Wiring Diagram



Pipes

Type	Order Code	Outer Dia.	Inner Dia.	Meter/Roll (MOQ: 1 Roll)	Packing Method	N.W. (kg/Roll)
Nylon Pipe (Nylon 6)	PPN0S001	Ø3	Ø1.5	100 M/Roll	Paper Roll	0.79
	PPN01001	Ø4	Ø2	100 M/Roll	Paper Roll	1.26
	PPN01002	Ø4	Ø2	200 M/Roll	Plastic Wrap	2.03
	PPN02001	Ø6	Ø4	100 M/Roll	Paper Roll	2.04
	PPN02002	Ø6	Ø4	100 M/Roll	Plastic Wrap	1.74
	PPN03001	Ø8	Ø6	100 M/Roll	Plastic Wrap	2.56
	PPN04001	Ø10	Ø7.5	100 M/Roll	Plastic Wrap	3.95
	PPN05001	Ø12	Ø9	100 M/Roll	Plastic Wrap	5.69
Nylon Pipe (Nylon 12)	PPN01003	Ø4	Ø2	100 M/Roll	Paper Roll	1.13
	PPN02003	Ø6	Ø4			1.81
Nylon Pipe (Made in Japan)	PPN01004	Ø4	Ø2.5	100 M/Roll	Plastic Wrap	1.10
	PPN02004	Ø6	Ø4			2.05
	PPN03002	Ø8	Ø6			2.86
PE Pipe	PPR01001	Ø4	Ø2	100 M/Roll	Plastic Wrap	0.86
	PPR02001	Ø6	Ø4			1.45
Aluminum Pipe	PPA01001	Ø4	Ø2	100 M/Roll	Plastic Wrap	2.40
	PPA02001	Ø6	Ø4	100 M/Roll		4.10
	PPA03001	Ø8	Ø6	30 M/Roll		6.00
Copper Pipe	PPC01001	Ø4	Ø3	50 M/Roll	Plastic Wrap	2.40
	PPC02001	Ø6	Ø5			4.50
	PPC02002	Ø6	Ø4.5			5.20
	PPC03001	Ø8	Ø6.5	30 M/Roll		4.30
	PPC04001	Ø10	Ø8			7.60
	PPC05001	Ø12	Ø10			9.30