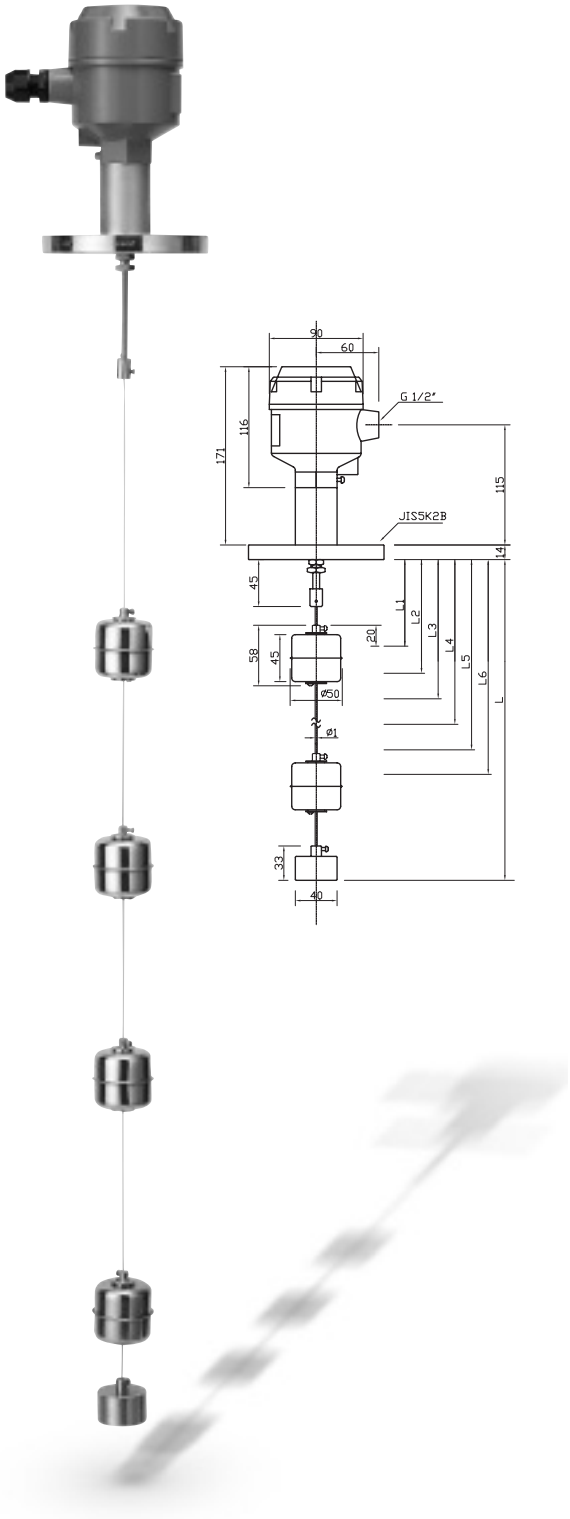
LEVEL SWITCH, FLOW LINE DISPLACER

Model:FLD

For changing the set location more easily on site



PRINCIPLES

The float with the wire is moved up or down by buoyancy together with changes in water level. The magnet at the top of the wire detects the water level by enabling the built-in lead switch to open or close. The spring supports weight of wire and float and adjusts switching variations.

This lead switch is basically free from any influence of water ripple or flow thanks to the self-locking circuit and the balance weight at the bottom of the wire.

FEATURES

- Freely set detection location.
- Freely extended sensor length due to use of a wire.
- Up to 6-contact-point output.
- Operating temperature range: -20 – +180℃, pressure 1 MPa
- RoHS-compatible.
- Compact package dramatically reduces transport cost.

MODEL

FLD-□S□-□P

Joint material	
4	SUS304*
6	SUS316

Connection	
A	JIS 5K50A FF flange*
B	JIS 10K50A FF flange
D	Your specified flange
E	R2"screw
F	G2"screw
G	Your specified screw

Number of floats (number of measurement levels)	
1-6	Specify your numbers.

Note) The asterisk(*) indicates standard specifications.
Example of order:FLD-4SA-3P

Principles of detection	Displacer
Detected object	All types of liquid (Stainless steel used for the liquid contact area must be corrosion-resistant.)
Liquid contact area material	SU304 (optional SUS316)
Terminal box	ADC12 (IP65 equivalent)
Maximum wire length	5 m (Max.9 m)
Maximum number of contact points	6 (SPST lead switch, all on)
Pressure range	Vacuum – 1 MPa
Standard installation	JIS5K50A flange (change due to pressure resistance)
Power supply cable inlet port	G1/2"
Temperature at use	-20 – +180℃ (nonfreezing)
Peripheral temperature	-10 – +55℃
Switch hysteresis	Maximum 20 mm
Switch life	10^6
Maximum contact point rating	10W 100V DC 0.5A DC 10VA 100V AC 0.5A AC