

REED CONTACT LEVEL SWITCH



GENERALITY:

The electromagnetic Kobold level switches have been designed to control the liquid level inside a tank. Suitable for any kind of fluid, enables to control up to six different levels fixed along a single guide tube.

Due to the continuous research focused to new solutions, Kobold is able to offer a high quality product with economic solution very competitive.

FUNCTIONALITY PRINCIPLE:

The level control ON-OFF are electromechanical types, composed by an guide pipe on which the float/s can move up and down, a fix or sliding process connection tread or flanged and an electrical connection.

The floats, magnetically actuates the contacts fixed inside the guide tube. The contact positions must be fixed in order phase and cannot be modified later.

Normally the contacts are wired in conformity with an internal specification.

Electrical connection, based on the type of used technology, can be carried-out directly with sealed cable though a DIN 43 650 connector or trough electrical clamps bedded inside an IP 65 junction box .

GENERAL FEATURES:

Mounting position on top, on side and by-pass.

Single or multiple unit. (Max six switching points)

Guide tube material AISI 316L, Brass, PVC, Polypropylene

Process connection threaded GAS-M, NPT-M, flanged UNI or DIN or ANSI.

Floats materials AISI 316 Ti, expanded PVC with "closed cells", Polypropylene.

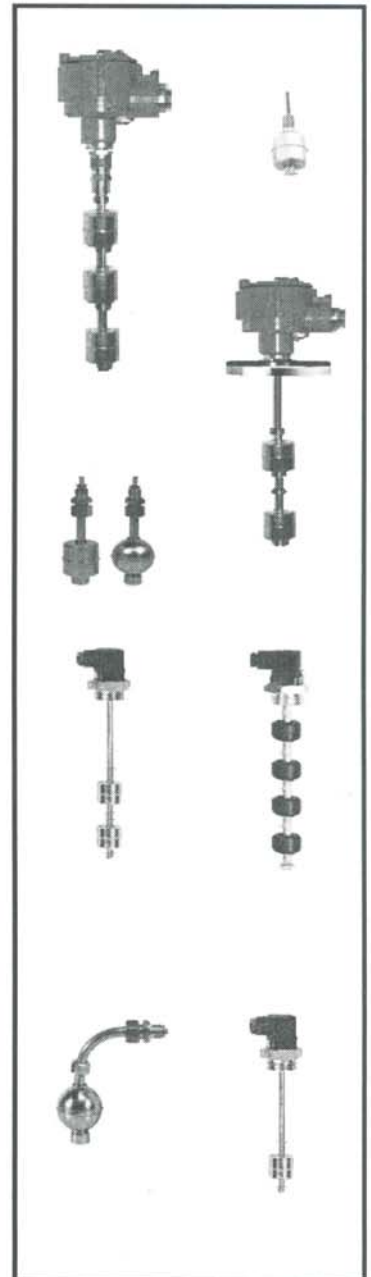
Reed contact type SPST or SPDT.

Max operating temperature: from 60°C to 120°C (Other version on request)

Max operating pressure: from 3 to 70 bar (Others on request)

Electrical connection trough sealed cable, DIN connector 45 650 or sealed cable though a DIN 43 650 connector or trough electrical clamps bedded inside an IP 65 junction box .

Standard version, waterproof IP65 o EEx-d IIC T6



Kobold Instruments srl

Via C.R. Darwin, 2

20019 Settimo Milanese (MI)

Tel. +39 02.33.572.101

Fax +39 02.33.501.983

e mail: info.it@kobold.com

<http://www.kobold.com>

REED CONTACT LEVEL SWITCH



ORDERING CODE:

Selecting the following code it will be possible to identify the single required model: EXAMPLE KIT-SL3/G1/L1500/25/2/S

1. SINGLE OR MULTIPLE UNIT

- SL1 One single switch point
- SL2 Two switch points
- SL3 Three switch points
- SL4 Four switch points
- SL5 Five switch points
- SL6 Six switch points

2. FLOAT TYPE

- G1 AISI 316 30x36mm
- G2 AISI 316 44,5x55mm
- G3 AISI 316 52x52mm
- G4 AISI 316 80x80mm
- G5 Closed cells expanded PVC 22x22mm
- G6 Closed cells expanded PVC 30x30mm
- G7 Closed cells expanded PVC 30x45mm
- G8 Polypropylene 55x55mm
- G9 AISI 316 52x57mm

3. GUIDE TUBE TOTAL LENGTH L_0

- L...316L Max length 6000mm
- L...PVC Max length 2000mm
- L...Brass Max length 3500mm
- L...PP Max length 2000mm

4. GUIDE TUBE MATERIAL

- S AISI 316L
- P PVC
- O Brass
- PP Polypropylene

5. PROCESS CONNECTION

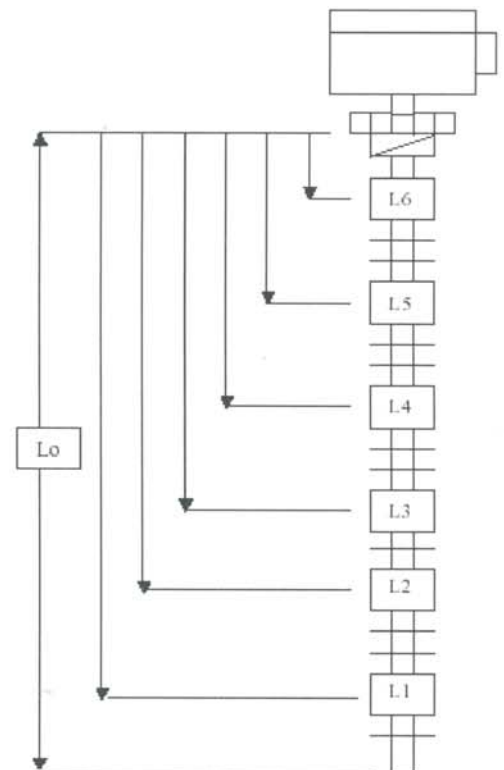
- 06 1/8" GAS-M Threaded
- 10 3/8" GAS-M Threaded
- 15 1/2" GAS-M Threaded
- 20 3/4" GAS-M Threaded
- 25 1" GAS-M Threaded
- 32 1-1/4" GAS-M Threaded
- 40 1-1/2" GAS-M Threaded
- 50 2" GAS-M Threaded
- FL Flange AISI UNI-DIN-ANSI
- FO Flange Brass and/or aluminium 2-3-4 holes
- FP Flange PVC UNI-DIN-ANSI
- FPP Flange Polypropylene UNI-DIN-ANSI
- FX On request

6. REED CONTACT TYPE

- 1 SPST 230V-40W/VA-2Amax for G1, G5
- 2 SPST 230V-60W/VA-3Amax for G1, G2, G5, G6, G7; G9
- 3 SPST 250V-80W/VA-3Amax for G2, G3, G4, G7, G8, G9
- 4 SPDT 220V-60W/VA-1,2Amax for G2, G3, G4, G7, G8, G9
- 5 SPST 400V-40W/VA-2Amax for G1 e G5
- X On request

7. ELECTRICAL OUTPUT

- C Sealed cable two/three wire
- P Two/three wire cable with cable gland
- L1 Connector DIN 43650 max. two switch points
- Aluminium painted waterproof housing IP65
- E Explosioproof EEx-d IIC T6 ATEX
- UX On request



Kobold Instruments srl

Via C.R. Darwin, 2
20019 Settimo Milanese (MI)
Tel. +39 02.33.572.101
Fax +39 02.33.501.983
e mail: info.it@kobold.com
<http://www.kobold.com>