

DESCRIPTION

HEMKUNT electronics Float Level Sensor is one of the versatile & efficient means of liquid sensing & controlling. It combines reliable design with wide range of material of construction to make it suitable for level sensing of various liquids in tanks in wide range of material of construction to make it suitable for level sensing of various liquids in tanks and open pits . Its unique features like easy installation, fail-safe rugged operation and low cost, makes it most versatile.

THE HI-ALERT SENSORS are available in SS/PP construction and are made in different lengths for single or multi level sensing of liquids. SS floats are used for high temperature and food grade applications.

These level sensors can also be connected with separate available optional HEMKUNT "controllers" which incorporates level hold on circuitry & potential free contact relay output of 5 Amps., For controlling Pump/motor or valve. "Level sensor" together with "Controller unit" works as level controller for various liquids and tank sizes. It offer solid state reliability, very low power consumption, and consistent activation points over a wide temp. Range in a rugged and environmentally isolated package.

HEMKUNT electronics specializes in customizing designs to specific customer needs for a wide range of applications. Please feel free contact us to provide the optimal solution for your specific needs.



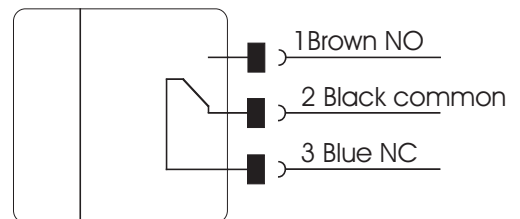
4 set point 2 set point

SS Floats

PP Floats



WIRING DIAGRAM (Changeover , NO+NC)



APPLICATIONS

- # Water
- # Condensate
- # Chemicals
- # Solvents
- # Milk
- # Oil
- # Waste
- # Cooling
- # Hydraulics
- # And many more.
- # Diesel
- # Acids
- # Alcohol
- # Beverages
- # Juices
- # Dyes
- # Water
- # Tower
- # Oil

WORKING

Hermetically sealed reed switches are enclosed inside the sensor stem at each prefix level set points, which are actuated by their respective magnetic floats. Magnetic Floats are specially designed units, in various materials and suitable for various liquid applications. These floats traverse up & down on a fixed distance between their stoppers outside the sensor stem & are such designed to make them float on the liquid surface. Separate floats are provided for each level set point. Contact of in-housed switches changes with up/down movement of floats in corresponding to rising/falling of liquid level inside tank, thus giving potential free contact outputs. Level sensors has magnetically operated potential free contact switch output at each level set points. Level set points are factory assembled fixed type. Sensor is suitable for 12/24 V DC operation. Its contact outputs can be used , to further operate relay logic system for controlling pump, alarm, valves etc. Sensor can be also used for PLC operation.

HEMKUNT ELECTRONICS

Contact Details : Website- www.hemkuntelectronics.com
 EMail- hemkuntalert@gmail.com
 Address- 4583/13 Jai Mata Market, Tri Nagar, Delhi- 110035
 Telephone numbers- 011-27394466 ,+91-9810822092, +91-8800445952

TECHNICAL DATA

Enclosure	:	Cast Al, W-proof to IP 66/Ex-proof to Gr. IIA & IIB/DIN Polyamide connector
Conduit Connection	:	Brass, 3/4" ET/ 1/2" NPT
Guided Stem MOC	:	SS316 / SS304
Float MOC x Size	:	SS316 x Ø22, Ø28, Ø30, Ø40, Ø52, Ø89 PU foam x Ø22, Ø25, Ø35
Stem OD	:	Ø8, Ø12.7 in SS316 / SS304
Operating Temperature	:	SS316- Ø52, Ø40 Upto 150 C, Ø22, Ø28, Ø30 Upto 100°C Pu foam - Ø22, Ø25, Ø35 Upto 60°C
Operating Pressure max.	:	SS316- Ø52, Ø40 Upto 20Kg/cm, Ø22, Ø28, Ø30 Upto 8Kg/cm ² Pu foam - Ø22, Ø25, Ø35 -Atmospheric
Min. Specific gravity	:	0.7
No. Of Floats	:	Single / Multiple (Max 4) (More available on request)
Process Connections	:	Flanged / Triclover Flange
Preset levels	:	1 to 4 (Factory set) (More available on request)
Switch type	:	Glass encapsulated hermetically sealed reed contacts
Switching capacity	:	15VA (NO) / 100VA (NO) or 3VA (1C/O) / 50VA (1C/O)
Differential	:	Fixed (10 ± 2mm)
Accuracy/Repeatability	:	±2mm / ±1mm
Load	:	Resistive / Inductive
Insulation	:	100 Mega - Ohms at 500V DC
Special Features	:	Intrinsically safe to Ex ib Gr IIA-IIB

ORDERING INFORMATION

Specify part no. As per given in catalogue for vertical mounting type magnetic float level switches, guided stem length (L), pressure levels D1, D2, D3 etc., Specific gravity, Operating temperature & Pressure.

Note: # Please mention bend version while ordering.

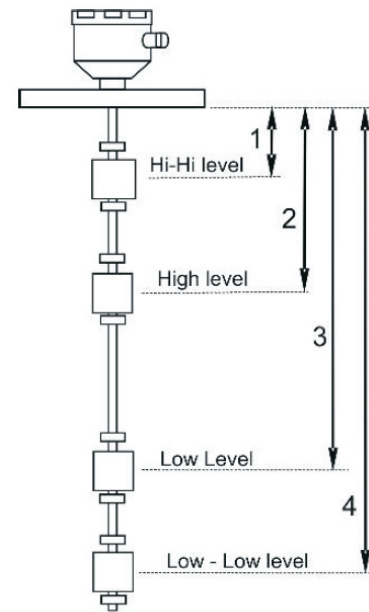
- # Contact us for other models and specifications not listed here.
- # Due to product enhancement technical specifications may vary.

WARNING

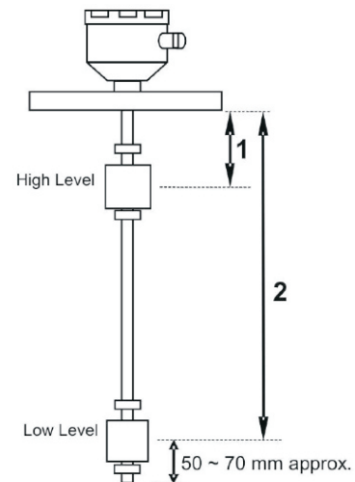
- # The power supply cable is an integrate part of the device. Should the cable be found to be damaged the device is to be replaced. Repairs to the cable itself are not possible.
- # The cable terminal must be never immersed into water.
- # The cable that is not used must be correctly insulated.
- # The electrical pump must be grounded to avoid any accidents.

As a result of our policy of continual improvement, the information in this document is subject to change without any notice and it is intended only as general guidance on product performance and suitability. This information shall not form part of any contract.

our product should be installed by a qualified personnel only, therefore any use of this application is at the installer's own risk and should be accessed appropriately.



4 set point



2 set point

WARRANTY STATEMENT

For any defects caused by mal-manufacture, the user can return the device to the manufacturer for repair or replacement within 12 months from factory delivery. This warranty does not apply to any defects caused by misuse and improper storage.

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