



DESCRIPTION & APPLICATION

HEMKUNT electronics Capsule Float Switch/Sensor is constructed by shaping and sealing the micro switch connected with wires. The device is connected to an electrical pump through an electrical cable, is used for the auto-control and no-water protection of water tower and water pool.

THE HALLUX CAPSULE FLOAT level switch with mercury free operated micro switch can be used for the level switching of drinking water and other liquids. The float is absolutely hermetically closed due to a unique molding and manufacturing procedure. The switching different can be set by counterweight adjuster alongside the cable of the capsule float.

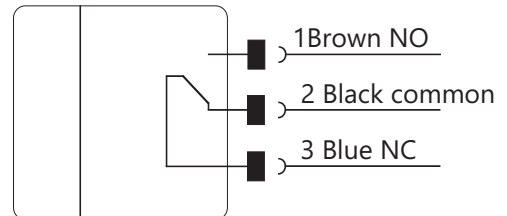
It offer solid state reliability, very low power consumption, and consistent activation points over a wide temp. Range in a rugged and environmentally isolated package.

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.

TECHNICAL DATA

Rated Voltage	:	5 to 250 VAC/ 24 VDC
Rating of Micro Switch	:	1/5/15 A
Max. Operating Current	:	0.6/4/10 A
Frequency	:	50/60 Hz
Switching	:	SPDT
Switching Angle	:	+/- 45°
Medium Temperature	:	max. 70°
Medium Pressure	:	max. 0.1MPa (1 bar)
Medium Density	:	min. 0.8g/cm³
Housing/material	:	Capsule/Polypropylene
Cable Material	:	PVC or Neoprene
Cable	:	OD 8mm / 3X1.13mm²
Ingress protection	:	Ip68

WIRING DIAGRAM (Changeover , NO+NC)



INSTALLATION

- # Fix the counterweight on the power cable to control water level (counter weight is only provided on request .)
- # Connect the electrical cable with the electrical pump and fix it inside the water tank.
- # The length of the cable section between the fixation point of the device and the device body determines the water level.
- # The termination of the electrical cable shall never be immersed into water during installation.

FEATURES

- # Automatic adjustable
- # Easy to install
- # Reliable
- # Maintenance free
- # Environmental protection

HEMKUNT ELECTRONICS

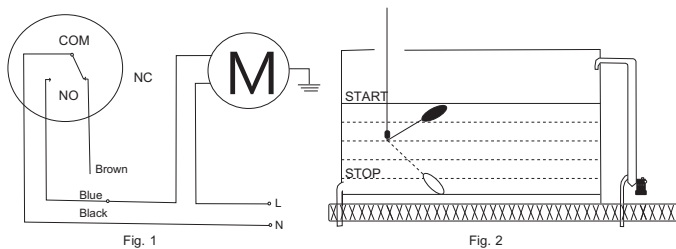
Contact Details : Website- www.hemkuntelectronics.com
 EMail- hemkuntalert@gmail.com
 Address- 4583/13 Jai Mata Market, Tri Nagar, Delhi- 110035
 Telephone numbers- 011-27394466 ,+91-9810822092, +91-8800445952

INSTRUCTION FOR USAGE

(1) Instruction for water- filling operation :

Connect the blue cable of the floating control to the electrical pump and the black one to a neutral wire as shown in fig.1 for water filling operation (The brown cable should be kept isolated). For detailed installation instruction, please refer to fig.2 .

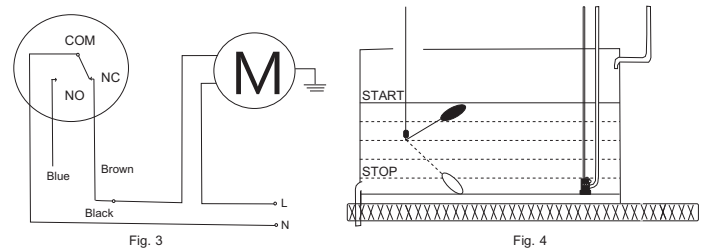
Function of fig.2 : Electrical pump begins to fill water when the water in water tank drops to a certain level and stops its working when water rises to certain level..



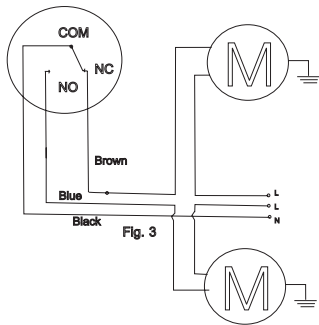
(2) Instruction for water- emptying operation :

Connect the brown cable to the to the electrical pump and the black one to a neutral wire as shown in fig.3 for water filling operation (The blue cable should be kept isolated). For detailed installation instruction, please refer to fig.4 .

Function of fig.4 : Electrical pump stops when the water level in water tank drops to a certain level and starts to emptying water again when the water level increases.

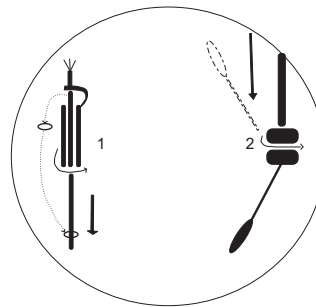


**INSTRUCTIONS FOR AUTO FILLING
& AUTO EMPTYING:**



This shows the auto-switch between filling and emptying water , which is an extension of the two basic functions. Please refer to the two basic functions for details.

**ILLUSTRATION FOR COUNTERWEIGHT
INSTALLATION:**



Peel the plastic ring off the counterweight before installation and set the ring around the cable then insert the cable from the conic part into the counterweight and fix it with moderate pressure at the fixing end.

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.

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.

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.

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