



RADAR[®]

MODEL ST-70AB

LIQUID LEVEL CONTROL SWITCH

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case, please leave enough space between the tank wall and the sinkers.

2. Link 2 sinkers with rope attached .see Fig1, make sure the side with water filling plug up. Control range could be adjusted by changing distance between the center of the upper sirker and the center of the lower sinker.

NOTICE! Check all ratings given in the instructions and on the product to make sure that the product is suitable for your application. Do not exceed electrical ratings, temperature ratings of the product.

NOTICE! Normally, the sinker has been filled with water previously. if not, please fill with water fully, then put the water filling plug into position.

CONNECTION

1. Move the cover firstly, for pumping operation, connect wire to terminal A. See Fig. 3.

2. For drainage operation, remove 2 bolts from terminal A to terminal B, then connect wire to terminal B.

NOTICE! Disconnect power supply before beginning installation to prevent possible equipment damage or electrical shock.

NOTICE! All electrical system must be installed by a qualified licensed electrician, and according to the National Electric Code and all local codes

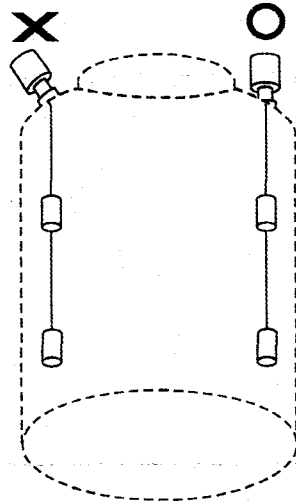
NOTICE! When for drainage, it is strongly suggested to use this apparatus as a control switch for magnetic or combination stator of water pump, instead to control water pump directly.

MAINTENANCE

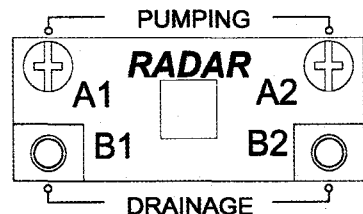
Inspect and clean parts at regular intervals.

The cover should be in place at all times to protect the internal components from dirt, dust, and weather.

NOTICE! Product information presented here reflects conditions at time of publication, Consult factory regarding discrepancies or inconsistencies, All contents and specifications are subject to change without prior notice.



(Fig 2)



(Fig 3)



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Congratulations on the purchase of Taiwan Shintung electronic industrial Co.'s RADAR brand ST-70AB liquid level control switch, which with innovative features to give you performance, reliability, and safety. For over 30 years, millions of customers have been relying on RADAR's products to meet their needs.

APPLICATIONS

- Direct pump control for maintaining level.
- Automatic tank dump operations.
- Control levels or provide alarms in sumps, low pressure boilers, and various waste water/ sewage treatment processes.

SPECIFICATIONS

Power supply: 110/220V, 50/60HZ

Rating: 220V 7.5A / 110V 15A.

Connection: 1" G

Mounting: VERTICAL INSTALLATION

Control range: 0.2-5.0 METERS

Temperature Limits: 5-60°C

Max. pump power by direct control: 1.0HP

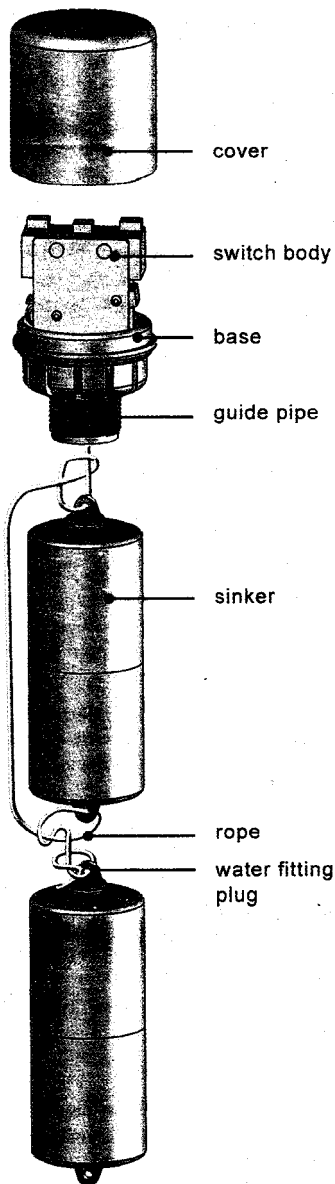
ADVANTAGES

- Unique patent device of vent slot, prevents vapor condensing inside switch body in humid environments.
- The switch body is in a good sealed condition, to protect from dust and moisture.
- The solid sinkers maintain a steady equilibrium to provide precise control.
- Multi-purpose design for pumping or drainage either, use terminal A for pumping, or terminal B for drainage.

INSTALLATION

1. Remove all packing material, when mounting switch on the top of a tank, install the switch in the threaded sleeve previously welded to tank, make sure that the switch is vertical to water level, rope does not touch inner wall of guide pipe, see Fig 2, and sinkers have free vertical motion.

When mounting vertically on inside wall of tank, you could use a L shape bracket (not supplied) as a support. The L shape bracket is supposed to be bought separately from our local seller. in any



(Fig 1)