

LV600 SERIES LEVEL SWITCHES

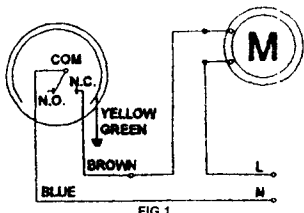


FIG.1

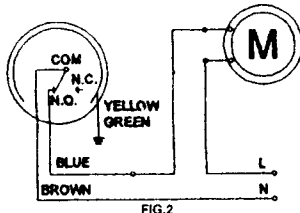


FIG.2

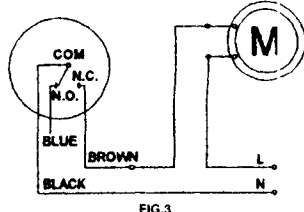


FIG.3

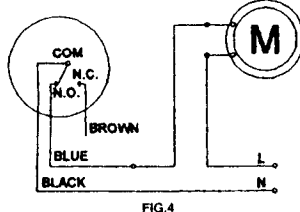


FIG.4

The wire that is not used must be correctly insulated

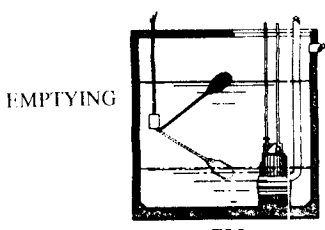


FIG.5

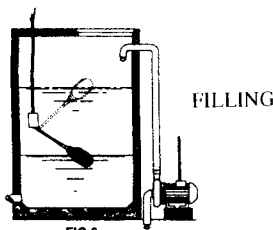


FIG.6

INSTALLATION OF COUNTERWEIGHT

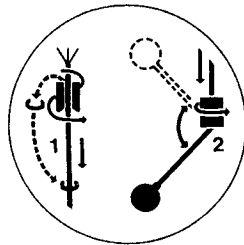


FIG.7

The regulators are homologated in compliance with CEI EN 607:30 standards and thereby comply with the fundamental requisites of Directive 93/68/EEC. The appliance combined with a pump connected by a flexible cable, permits the regulation of the level of the liquid in which it is immersed.

INSTALLATION

To ensure the efficient function of the appliance it is necessary to fix the electric cable inside the tank or well as illustrated in figures no.5 and no.6.

The length of the cable section between the fixture point of the same and the regulator body, determines the total extension of the float and the consequent distances between the pump stopping and starting level. It is also necessary to check that the float is not obstructed during its run.

During installation joins to the level regulator cable must not be made under any circumstances.

An eventual cable join section must never be immersed in water.

If the float is used in filling mode, the system must be fitted with an adequate overflow device.

COUNTERWEIGHT INSTALLATION IF PRESENT IN THE RETAIL PACKAGING

For correct counterweight installation refer to the following procedure as illustrated in figure no.7.

1. Insert the cable into the counterweight, from the conic part, turning it. This will result in the detachment of the plastic ring inserted in the mouth (if necessary aid detachment by using a screwdriver). Place the ring at the point of the cable where the counterweight is to be fixed.

2. Fix the counterweight on the ring using moderate pressure and turning it. The counterweight is only provided on request.

ELECTRICAL CONNECTIONS

The regulator may be used for filling or emptying according to the connections made between the terminals of the microswitch and the cable.

For correct product installation refer to wiring diagrams in figures no.1-2-3-4.

Always disconnect the power supply from the main power panel before undertaking any operations on the float.

NOTE

When making the connections described above ensure that the maximum motor power does not exceed the values indicated on the level regulator.

The power supply cable is an integral part of the appliance. Should the cable be found to be damaged the appliance is to be replaced. Repairs to the cable itself are not possible.

The earth wire of yellow/green colour must be connected to a suitable earth terminal and the section dimension must not be less than 1 mm². The eventual terminal used must be effectively protected against accidental slackening.

ELECTRICAL FEATURES

MAXIMUM OPERATIONAL TEMPERATURE
PROTECTION GRADE

50 °C
IP68 (tested by IMQ at a depth of 1m for a period of 7 days at water temp. of 50 °C)

MAC3 RELIABILITY TEST

The appliances pass an immersion test at depth of 10 m, at a temperature of 50 °C for a period of 7 days.

FEATURES OF AUTOMATIC ACTION

1B (micro-disconnections in operation)

CAUTION! CAUTION! CAUTION!

Level switches are manufactured to the highest quality specifications. However, due to their economical construction, they should be used only for applications where, in the event of product failure, the risk of damage to equipment or personnel would be minimized. In the case of level switches, one or two back-up switches should also be used to ensure that failure of any one switch will be mitigated by the back-up level switch(s). The user should periodically inspect the product's performance in the actual application. Use of the products beyond the recommended capabilities and lifespan is specifically not recommended.

CAUTION! CAUTION! CAUTION!

Before installation check your local electrical codes. To avoid personal injury when servicing your equipment be sure that power is disconnected from both the equipment and the float switch.

Warning: To reduce the risk of electrical shock connect only to a properly grounded, grounding type receptacle.

Warning: Risk of electrical shock. This switch has not been investigated for use in swimming pool areas.