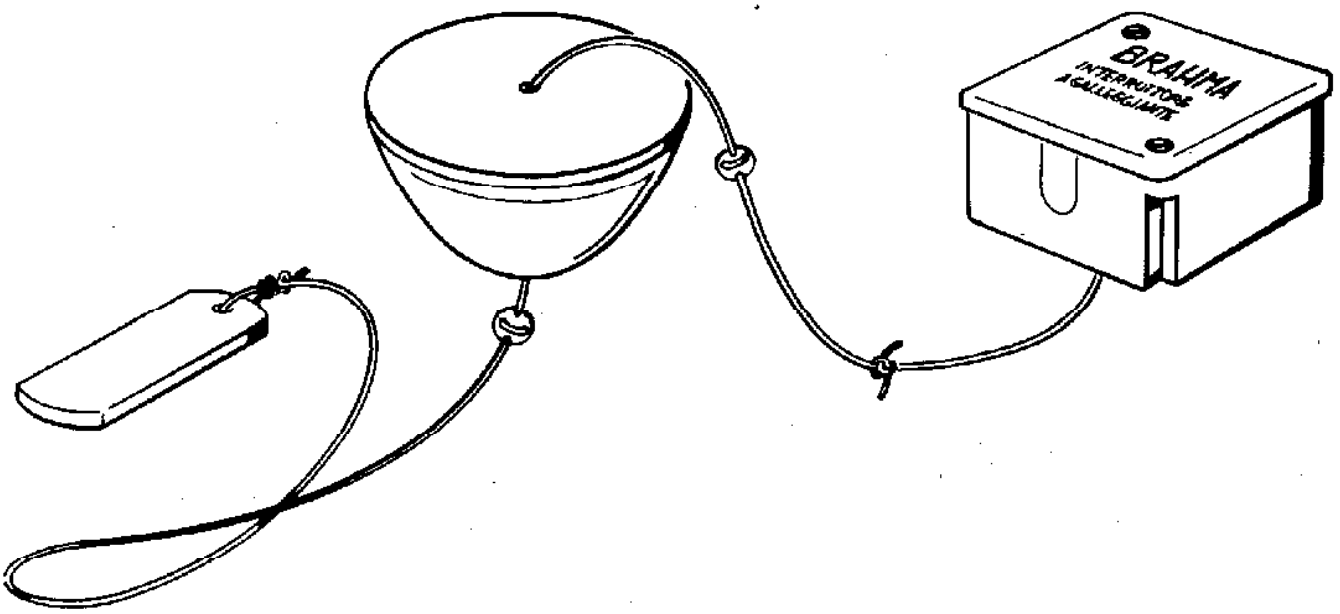
FLOAT SWITCH FOR TANKS NOT UNDER PRESSURE

ILA



GENERAL SPECIFICATIONS

The ease of application is what makes such a difference between the ILA float switch and other kinds. In fact, the ILA works correctly with just the ballast provided with the standard model, without requiring extra weights, balancers, pulleys, etc.
Thanks to this feature, it can be positioned directly on the lid of the tank, after making three holes (two for fixing the release box, one for threading the cord into the tank), which are all covered by the release box itself. In this way, no dust, insects or small animals can get into the tank, something which occurs often in the case of all the other release boxes on the market today.
Apart from this fact, there is no need for adjustment of the release box or calibration of the float at the time of installation. The only regulation necessary is in the fixing of the stops on the cord in order to establish the height difference required.

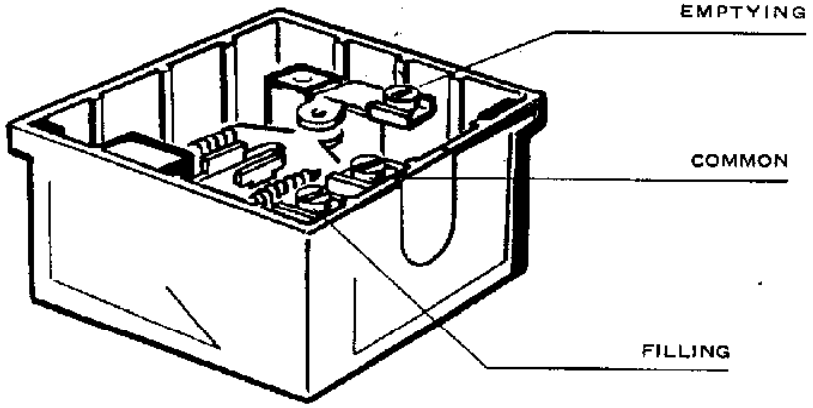
USE

The ILA ball-cock release has been designed for use in plants with tanks not under pressure.
By means of this device the motor of an electric pump can be controlled for the filling and emptying of the

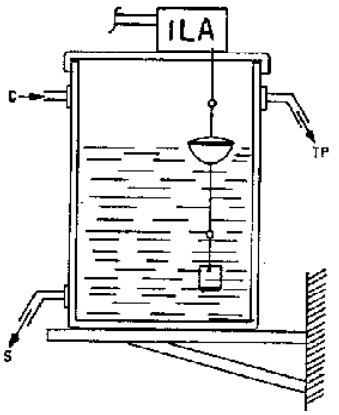
If the pump is fitted with a three-phase motor, a remote-controlled overload cut-out is necessary (see wiring diagram with three-phase motor); if the motor is single-phase (max 1 hp) it can be controlled directly (see wiring with single-phase motor).
The ILA can be used as a commutator; which makes it possible to create circuits with acoustic or luminous signals, both for opening and closing.
It can also be used as reserve-level indicator.
If the liquid in the tank is not water, the ILA can be supplied with a black nylon float which is resistant to hydrocarbons in general and many other liquids.

CONSTRUCTIONAL FEATURES

The release is formed of a box in diecast aluminium, with heat-varnished finish. The cover is waterproof thanks to a rubber gasket.
The terminals of the micro-release can be reached through a rubber fairlead.
The release mechanism is a micro-switch. Two stressed spiral springs provide considerable pressure and speed of release of the contacts.
This device provides maximum reliability, testified by the many users who have been fitting it for the past twenty years.
If the ILA is fitted to tanks containing water, the



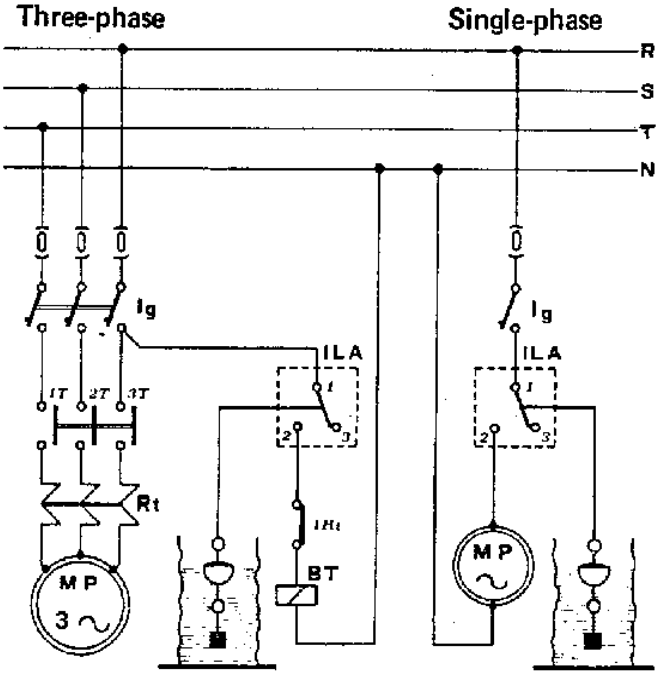
INSTALLATION SCHEME



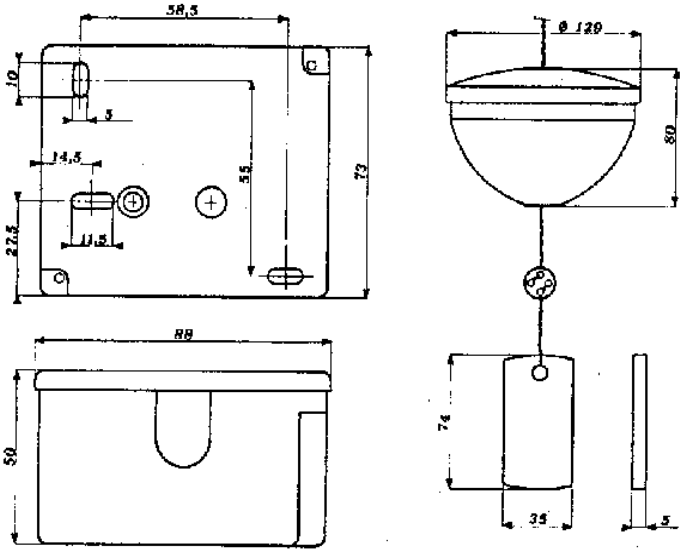
TECHNICAL CHARACTERISTICS

Microswitch	1 contact
Max current rating	6 A at 220 V
Casing	in diecast aluminium
Colour	heat-hammered in grey
Float	in ABS, grey for water in nylon, black for other liquids
Ballast	in zinc-plated or passivated steel
Cord	in flexible nylon thread
Cord lenght	standard 1 m.
Min. height difference	2 cm
Max. height difference	limitless, based on the space available for the flot's movement
Installation position	horizontal
Protection	IP40
Overall weight, complete with float	460 gr.
Weight of packing for each device	70 gr. approx.
Weight of packing for 100 pieces	2.5 kg. approx. – 46x76x78

WIRING SCHEME



OVERALL SIZES



INSTALLATION

Once the three holes dia. 5 have been drilled in the cover of the tank (see drilling template), fix the box of the release mechanism to the cover of the tank and knot the cord of the float to that of the release box.

Adjust the stops on the cord to establish the minimum and maximum heights for the device to operate on.

Bear in mind that if the device is to be used to control a loading pump, you use terminal 1 (common) and 2 (filling).

If the device is used with an un-loading pump, use terminals 1 (common) and 3 (emptying).

For the electric conductors, keep to C.E.I. specifications.