

## Level Switch

**ILD100/AAD100**



From the elegance and prestige that has always characterized the **BEINAT Srl**, and the concept of home fitness, comes the level switch **ILD100/AAD100**.

The level switch **ILD100** is an electronic device which, through the built-in relay, controls a pump or a valve while keeping the amount of liquid present in a reservoir within certain thresholds chosen by the user.

While the switch **AAD100**, controls a pump or a valve stopping a possible loss of water within certain thresholds chosen by the user.

There are two probes that determine the functioning of the control switch one for the common and an other for the maximum level.

On the front panel you can visually check through led's work status of the equipment connected to it is turned on or off..

The newness of this equipment is given by the flexibility of supply which can range from 230 V ac. to both 12/24V DC and alternating current.

The mounting bar OMEGA makes installation fast allowing the coaching inside, inside, in a single panel of all the instruments of command connected to a tank and structured in the same format of the level switch.

### power Supply

**12V ac. - dc**  
**24V ac. - dc**  
**230V ac.**

### Installation and user Guide

#### Important Note

Before connecting the unit careful reading of instruction booklet is recommended, and it is kept in a safe place for future reference. Furthermore, the correct electrical connections according to the enclosed drawings, complying with instructions and Regulations in force, is recommended.

## Precautions

**CHECK** the integrity of the unit after having removed it from the box.

Check that the data written on the box correspond to the type of gas used.

When doing the electrical connections, follow the drawing closely.

Any use of the detector for purposes other than the intended one is considered improper, and as a result of which **BEINAT S.r.l.** therefore disclaims any responsibility for possible damages caused to people, animals or objects.

**TERMS and EXPECTATIONS:** The installation of the **switch**, its ordinary and extraordinary maintenance, every six months, and its out of service removal at the end of the functional life guaranteed by the manufacturer, must be carried out by **authorized or specialized personnel**.

In order to achieve long and satisfactory use of your **switch**, use it by respecting the following precautions.

**Do not drop it.**

Heavy knocks or falls during transportation or installation can damage the appliance.

**Avoid abrupt temperature fluctuations.**

Sudden temperature variations can cause condensation and the detector could work poorly and could become very sensitive, and generate false alarms.

**Do not allow it to become wet.**

The control unit can be seriously damaged as it is not waterproof either when immersed in water or exposed to high levels of humidity.

**Cleaning**

Never clean the device with chemical products. If necessary, wash with a moist cloth.

## Technical Features

power Supply .....230/240 VAC 50 Hz +/- 10%  
power Supply .....12/24 VAC e/o DC+/- 10%  
absorption.....1W @ 230V  
Range of contacts ..... 10A 250V resistive - 5A 30Vdc resistive

Max distance between probe and control unit ..... 100 m

Section connecting cables probe ..... 1 mm

Connection: **The cable of connection of the probe must not be installed together with the power cables. Otherwise, make sure to use a shielded cable.**

Operating Temperature .....from -10° C to + 60° C

Min and Max operating Humidity ..... lower than 95% RH

Body Material probe ..... self extinguishing plastic

Degree of protection .....IP20 in the air

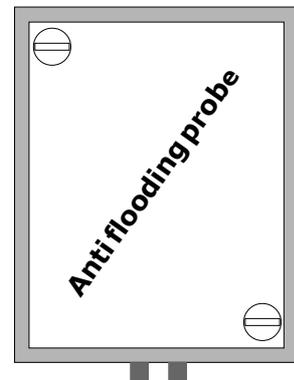
Omega-type size DIN EN 50092 3 modules ..... 52\*90\*52

mounting: ..... electric board

Electromagnetic Compatibility "CE".....According to Reference EN regulations

warranty ..... 3 years

## Probes Adaptable for Functioning



**ILD100**

**SL200 Sliders 1 "1/4**

**SL600 Slider 1/8**

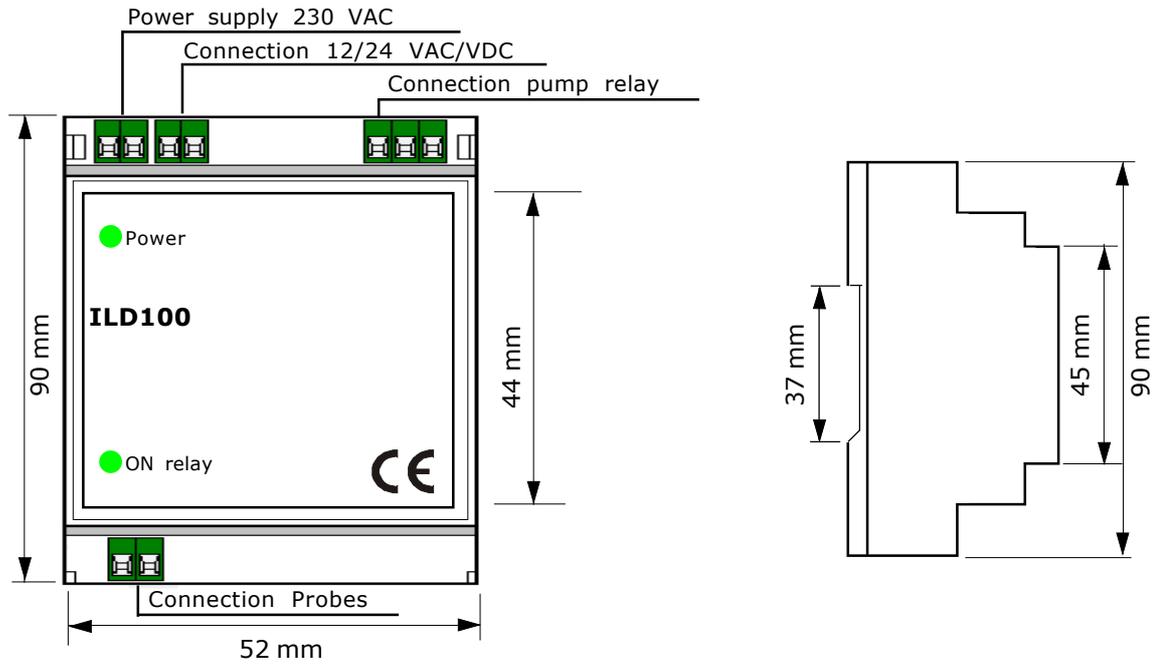
**SL150 Stem in stainless inox**

**PL150 Prolongs Stem in stainless inox**

**AAD100**

**SA100 Anti flooding probe**

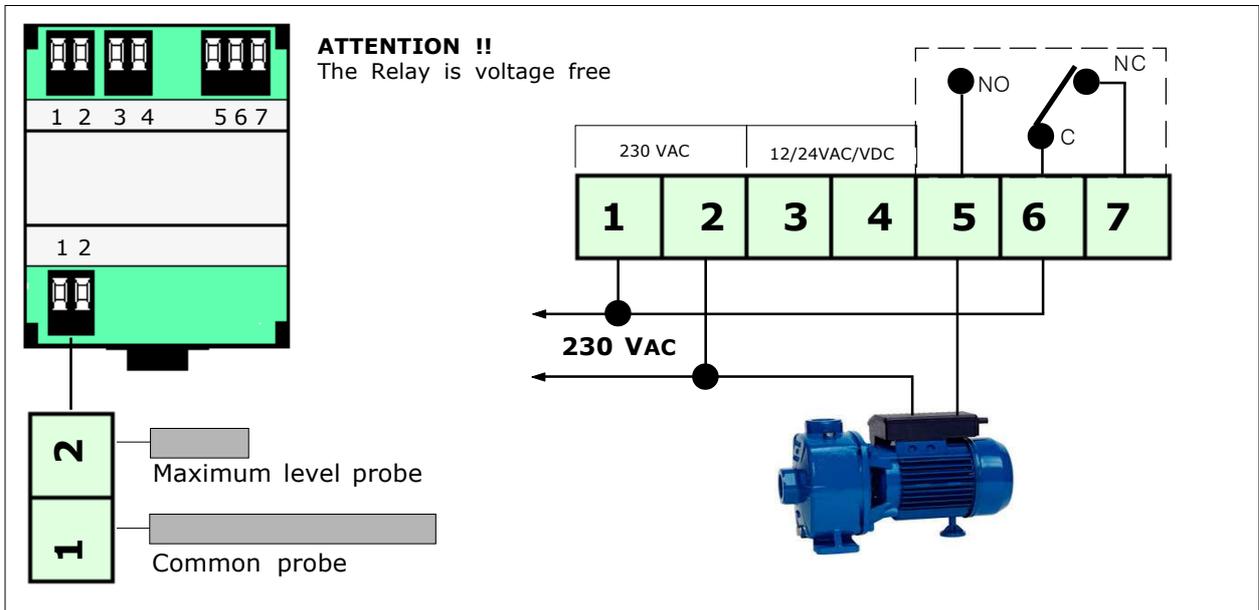
## Components and commands



## Electrical connections

### WARNING.

Before connecting to the mains power, ensure the voltage is correct. Carefully follow the instructions and the connections according to Regulations in force, keeping in mind that the signal cables should be laid separate from the power cables.



Performance water	Probes reached	Position contacts
Increasing	None	In connection C and NA
Increasing	Common and Minimum	In connection C and Na
Decreased	Common and Minimum	In connection C and NA
Decreased	Common	In connection C and NC

**INSURANCE.**This device is insured by the SOCIETÀ REALE MUTUA for the PRODUCT'S GENERAL LIABILITY up to a maximum of 1.500.000,00 EURO against damages caused by the device in case of failures in functioning.

**WARRANTY.**The warranty term is 3 years from manufacturing date, in agreement with the following conditions. The components acknowledged as faulty will be replaced free of charge, **excluding** the replacement of plastic or aluminium cases, bags, packing, batteries and technical reports.

The device must arrive free of shipment charges to **BEINAT S.r.L.** Defects caused by unauthorized personnel tampering, incorrect installation and negligence resulting from phenomena outside normal functioning shall be excluded from the warranty.

The **BEINAT S.r.L.** company is not liable for possible damage, direct or indirect, to people, animals, or things; from product faults and from its enforced suspension of use.



**DISPOSAL OF OLD ELECTRICAL & ELECTRONIC EQUIPMENT.**

This symbol on the product or its packaging to indicates that this product shall not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment, such as for example:

- sales points, in case you buy a new and similar product
- local collection points (waste collection center, local recycling center, etc...).

By ensuring this product is disposed of correctly, you will help prevent potential negative consequence for the environment and human health, which could otherwise be caused by inappropriate waste handing of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

**Attention:** in some countries of the European Union, the product is not included in the field of application of the National Law that applies the European Directive 2002/96/EC and therefore these countries have no obligation to carry out a separate collection at the "end of life" of the product.



**Switches ILD100/AAD100**

*Lo styling è della b & b design*

Purchase Date	Stamp of the Dealer
Registration Number	

In agreement with our continuous development policy, we reserve the right to modify its products without notice.

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