

Maximum and minimum level switch

ILD150



From the elegance and prestige that has always characterized the **BEINAT Srl**, and the concept of home fitness, comes the electronic level switch **ILD150**. The level switch **ILD150** 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.

The detail that characterizes the functioning of the **ILD150** is to avoid the pumps start discontinuous due to movements of liquid in the tank.

There are three sensors that determine the operation of the remote control one for the common and the other two for the maximum and minimum 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.

Useful Informations

Make sure of the integrity of the level after removing it from its box.
Verify that the data written on the box corresponding to the required type.
Any use other than that for which the thermostat is designed is considered improper for which the **BEINAT Srl** disclaims any liability for any damage caused to persons, animals or property.
Never clean the unit with chemical products.
If necessary after cutting power wash with a damp cloth.
Entrust always the `installation and maintenance to a qualified and / or authorized in a position to guarantee the genuine spare parts in case of failure.

Probes Adaptable for Functioning

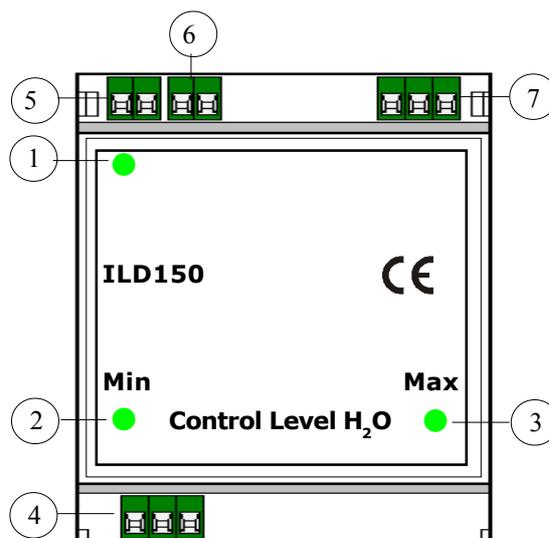


SL200 Sliders 1 "1/4
SL600 Slider 1/8
SL150 Stem in stainless inox
PL150 Prolongs Stem in stainless inox



Technical Features

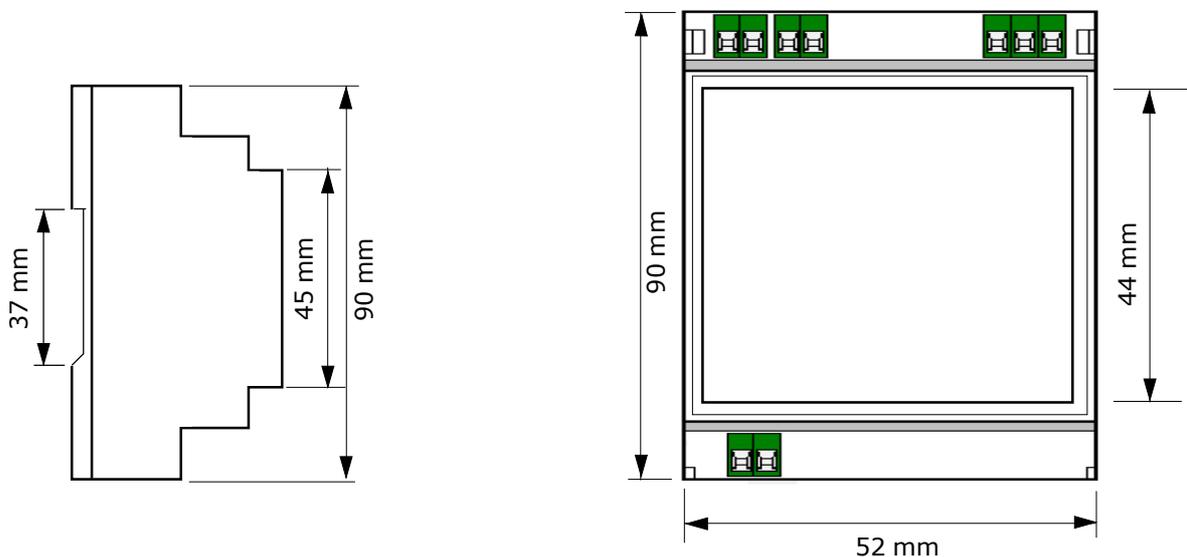
power Supply 220 V.ca 50 Hz +/- 10%
power Supply 12/24 V.ca and / or DC + / - 10%
absorption.....1W @ 230V
Range of contacts 10A 250V resistive - 5A 30Vdc resistive
Connectable probes..... SL150
Cap probe holder SL200
Single probe holder SL600
Max distance between probe and control unit 100 m
Section connecting cables probe 1 mm.
Operating Temperaturefrom -10° C to + 60° C
Min and Max operating Humidity lower than 95% RH
Body Material probe self extinguishing plastic
Degree of protection IP20 up 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



- 1) Led indicators for power on.
- 2) Led minimum level. This led lights up when the liquid does not touch the electrode of the minimum level corresponding to the moment when the pump starts working and turns off when the liquid returns to lick the electrode of maximum, stopping the pump.
- 3) Led maximum level. This led lights when the liquid does not touch of the electrode of the maximum level corresponding to the moment when the pump stops and turns off when the liquid returns to lick the electrode of the minimum, reactivating the pump.
- 4) Terminal block connecting the probes
- 5) Terminal block for 230V ac 50Hz.
- 6) Terminal block for 12V or 24V AC than a DC.
- 7) Terminal block for the pump or equipment to be controlled.

Dimensions

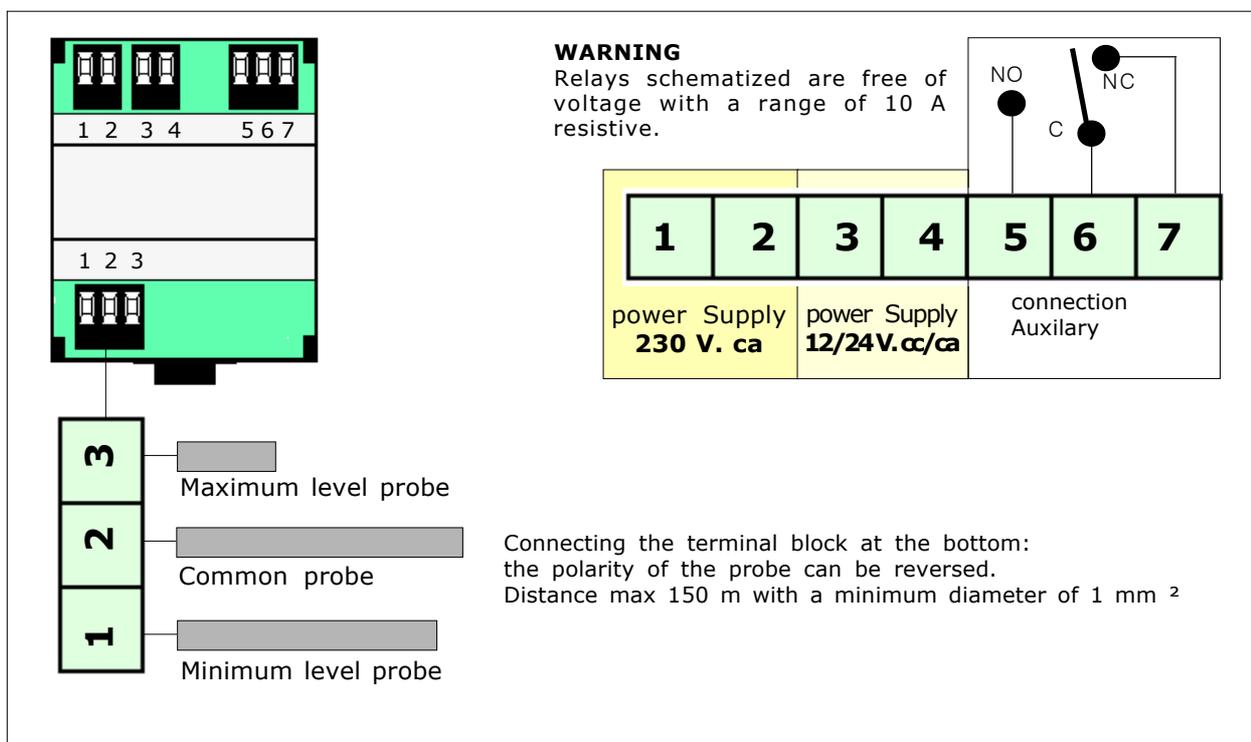
Omega-type size DIN EN 50092 **3 modules**



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.



Description of Functioning

Following this scheme you can understand how is the start and the stop of the connected equipment, depending on how they are wet probes

Performance water	Probes reached	Position contacts
Increasing	None	In connection C and NA
Increasing	Common	In connection C and NC
Increasing	Common and Minimum	In connection C and NC
Increasing	Common Min and Max	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.



Level switch ILD150

Lo styling è della b & b design

Purchase Date	Stamp of the Dealer
Registration Number	

Seguendo una politica di continuo sviluppo si riserva il diritto di modificare i propri prodotti senza preavviso.

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