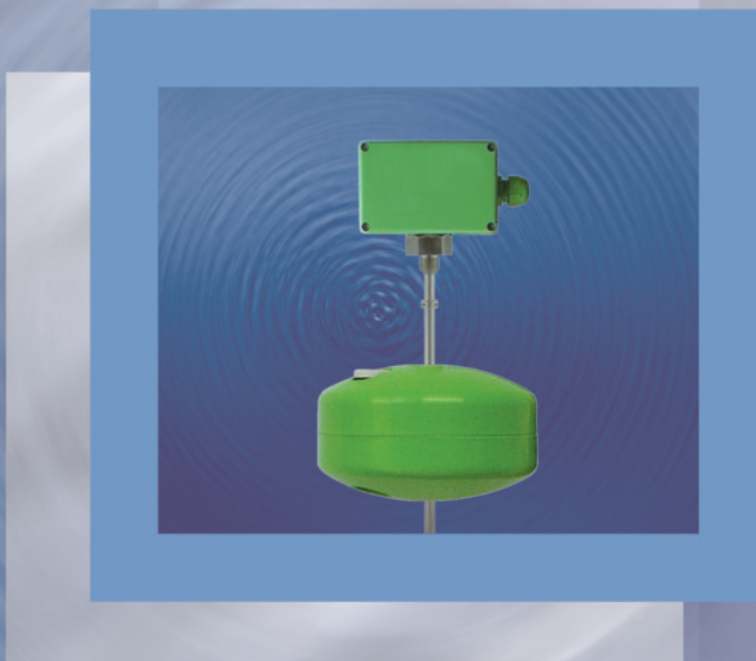




MK float switch

**Controlling device
with microswitches activated by a rod,
for automatic control,
regulation and signalling of a liquid level
in a pressureless tank**



Jola Spezialschalter GmbH & Co. KG
Klostergartenstr. 11 • 67466 Lambrecht (Germany)
Tel. +49 6325 188-01 • Fax +49 6325 6396
contact@jola-info.de • www.jola-info.de

**Jola Spezialschalter GmbH & Co. KG
sells only business-to-business (B2B).**

**The units described in this documentation
may only be installed, connected,
started up, serviced and replaced
by suitably qualified personnel!**

**Subject to deviations from the diagrams
and technical data.**

**The details in this brochure are product
specification descriptions and
do not constitute assured properties
in the legal sense.**



MK 2/E float switch

**Controlling device
with microswitches activated by a rod,
for automatic control, regulation and signalling
of a liquid level in a pressureless tank**

Principle

A float rises and falls with the liquid level, travelling up and down a float rod between two collars. This float has been weighted in our workshop with sand through a closable filling hole.

If the liquid rises above the level of the upper collar, or falls below that of the lower collar, the movable float rod is moved upwards or downwards respectively by buoyancy or weight of the float. This trips the microswitch. This switch can be used for the function “filling” or “emptying” according to the choice of connection terminals.

In the case of “emptying” the rod pushes upwards when the upper collar is reached by the float. This trips the microswitch, which can, for instance, switch a pump. Liquid is pumped off. The float falls with the liquid level and pulls the float rod down again when it reaches the lower collar. This breaks the contact and the pump is switched off.

In the “filling” mode, the action is the other way round.

An additional contact is placed at approx. 15 mm above the upper pump control switch. This contact serves as high level alarm.

The level differential between the "ON"-position and the "OFF"-position can be adjusted on the float rod by means of the two collars.

This unit is not suitable for use in turbulent liquids (e.g. in stirrer tanks).

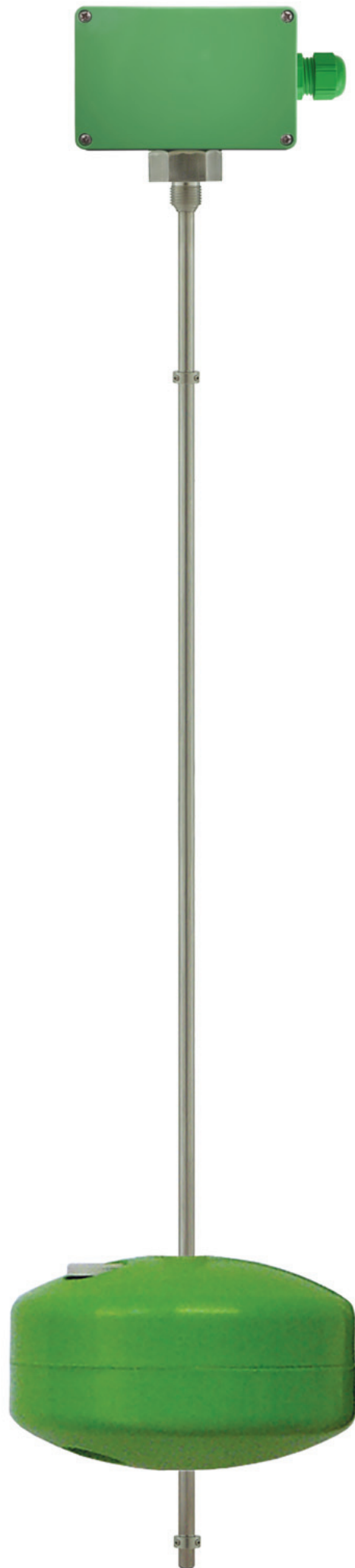
Mounting

Remove float and collars from float rod.

Insert rod with screw-in nipple from above in a G¹/₂ hole or socket and screw up.

Fit the 2 collars and the float on rod and set up the level differential by fixing the collars at the appropriate heights.

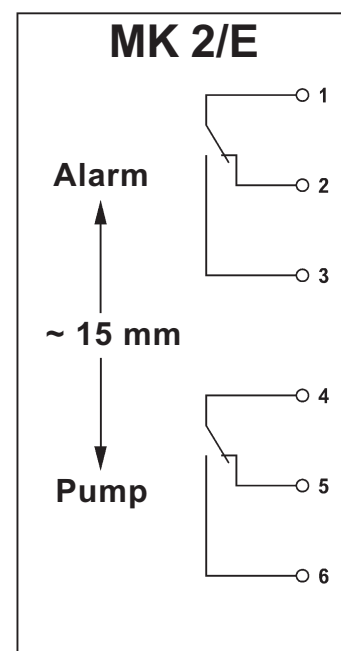
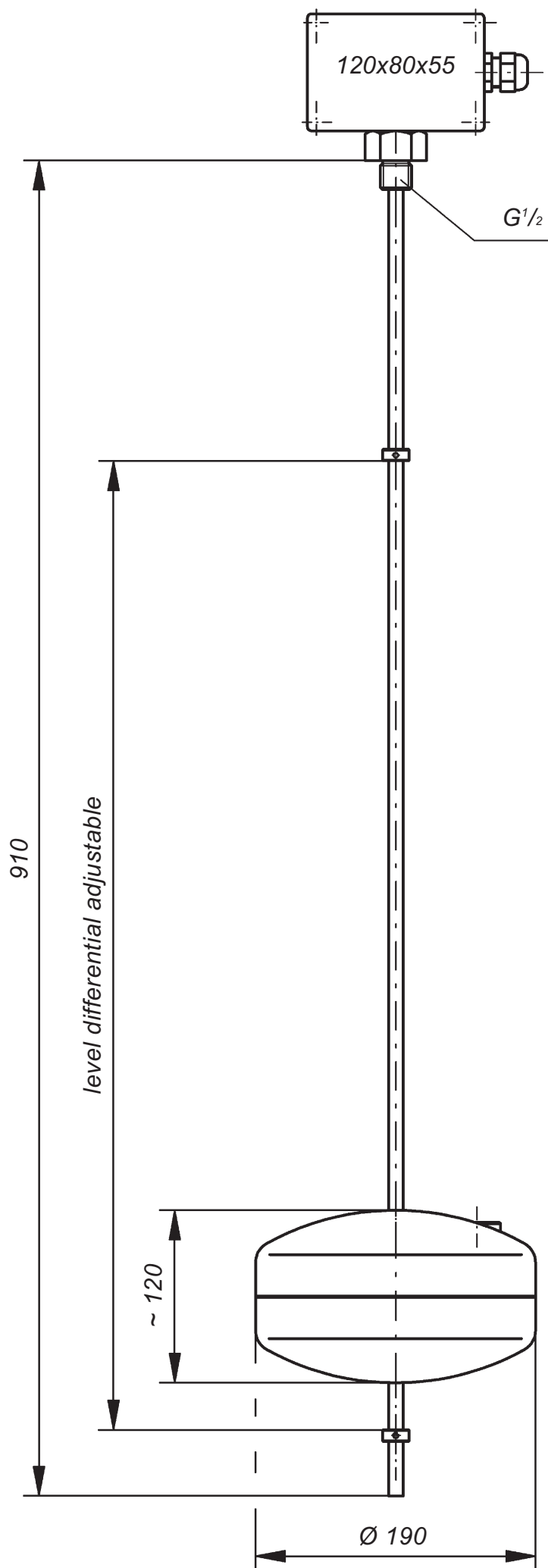
Set the float in place in such a way that the filling hole is at the top and tighten the screw properly, so that no liquid can penetrate the float.





MK 2/E float switch

Technical data	MK 2/E
Application	for applications up to max. 250 V
Switching voltage	between AC/DC 24 V and AC/DC 250 V
Switching current	between AC 20 mA and AC 5 (1) A or between DC 20 mA and DC 100 mA
Switching capacity	max. 1,000 VA
Operating principle	2 microswitches, 2 potential-free changeover contacts
Rod	stainless steel 316 Ti, 10 mm Ø, length: 910 mm; level differential adjustable by means of two collars
Screw-in nipple	stainless steel 316 Ti, G ¹ / ₂
Float	PP, 190 mm Ø x approx. 120 mm, on request: stainless steel 316 Ti, approx. 165 mm Ø x 120 mm
Connection box	PP, A 307, 120 x 80 x 55 mm, protection class IP54
Mounting orientation	vertical
Temperature range	+ 1°C to + 70°C
Pressure resistance	for pressureless applications
Application	only for use in liquids with a specific gravity ≥ 1 g/cm ³



contact position when tank is empty

Dimensions in mm

