



BOOT DIAPHRAGM LEVEL SWITCH FOR SOLIDS

SPECIFICATIONS:

- Normal sensitivity : 200 gm (Rubber) / 400 gm (SS)
- Diaphragm Membrane material : Nitrial Rubber or, SS
- Ambient temperature : 60° C
- Electrical contacts : Micro switch, 15 Amp, 230 V AC,
Potential free
- Cable Gland : PG 11
- Main body : Cast Aluminum
- Switching Housing : Polymer for SS type
Aluminium for Rubber type
- Protection for switching housing : IP 67



APPLICATION:

The BOOT type level switch is used for indicating, controlling, and regulating the level of granulated or powdered dry materials with a grain diameter up to 30 mm and a density of 0.3 to 2.5 g/cm³, flowing through a silo, hopper or chute.

OPERATION:

The device must be mounted so that the diaphragm membrane is exposed to the product whose level should be controlled, in such a way that the product can press the diaphragm. The material weight presses the diaphragm which is adjusted with the micro switch through a flexible mechanism. A liver attached to the diaphragm transfers the pressure to the micro switch which changes the contact. When the material recedes the diaphragm comes back to its normal position and the micro switch again changes the contact.

FEATURES:

The BOOT Level Switch consists of a micro switch inside the housing, covered by a flexible Diaphragm.

INSTALLATION AND MOUNTING:

The BOOT Level Switch can be installed outside the container by making a hole on the wall, so that the membrane remains exposed to the product inside. Suspended by means of a tube, it can be also installed inside the container. Using adaptors. Wherever possible level switch should be mounted on vertical surfaces. By this means, the product can flow free downwards, and wrong indications are avoided. It can be mounted on surfaces with a slope of not more than 30 degrees from vertical, provided that the product leaves the diaphragm membrane completely.

If maximum levels are to be controlled, the devices must be mounted at such a height that the product overflowing the membrane can exert pressure on this membrane, working the micro switch.

CONTACT DETAILS

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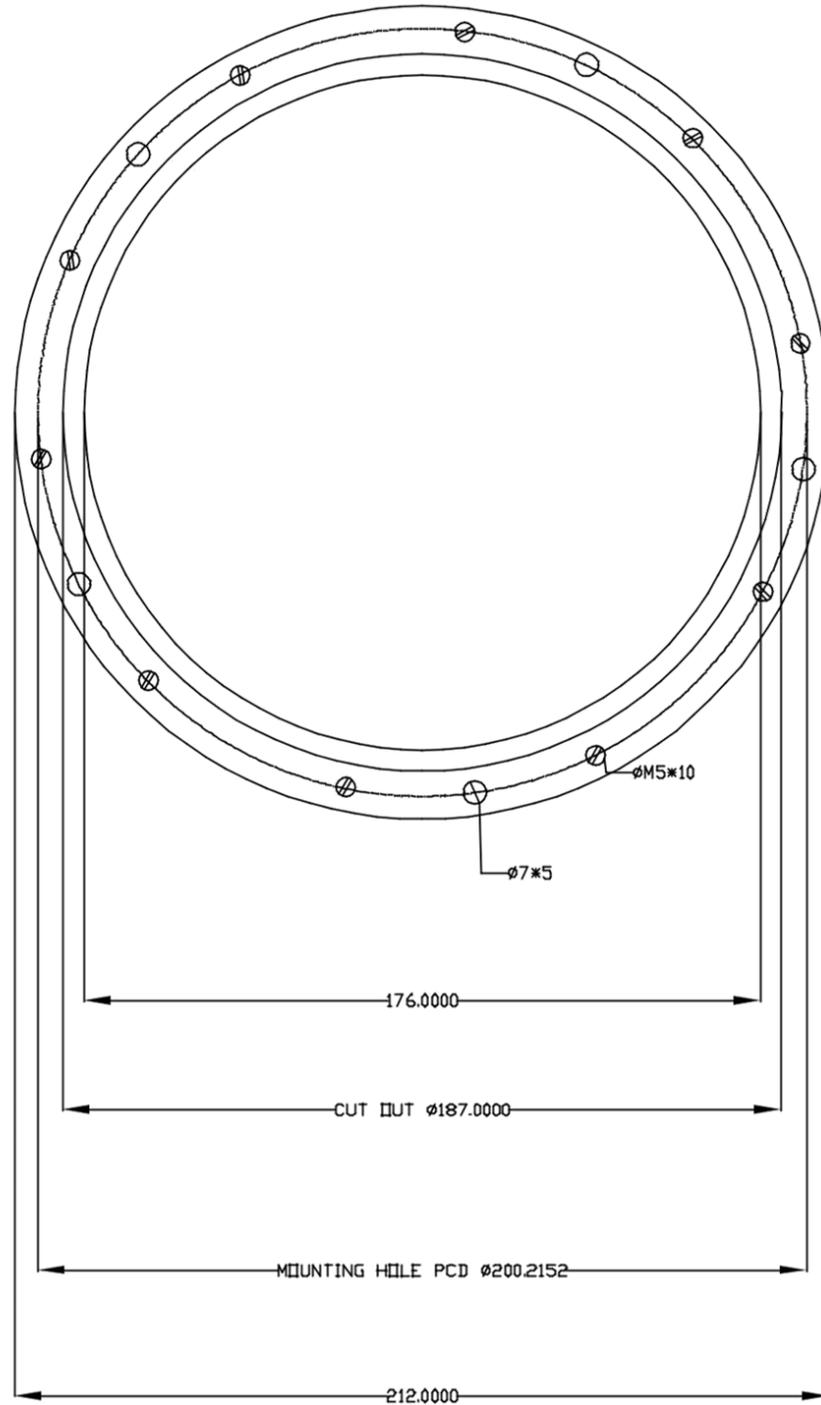
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Dimensional details of Metal Diaphragm type Boot Level Switch



NOTE : Customization in dimensions would be possible for quantity orders

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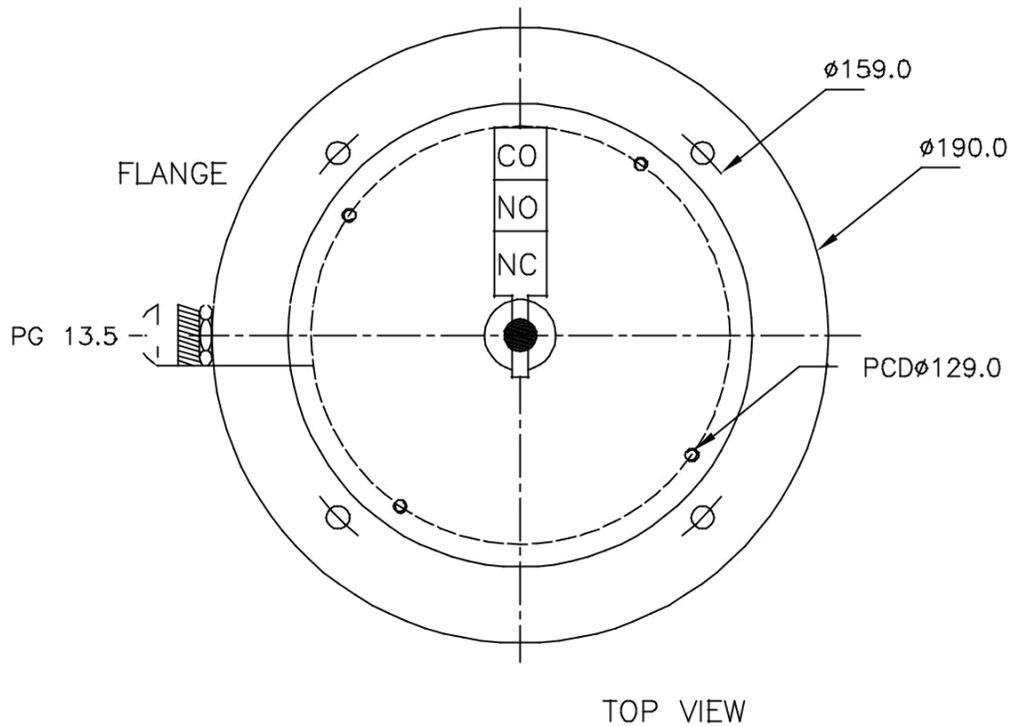
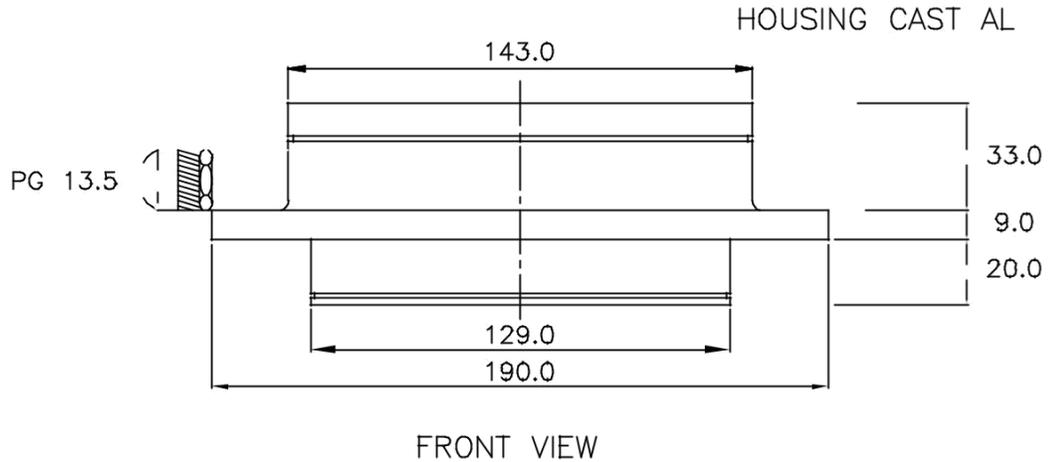
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Dimensional details of Rubber Diaphragm type Boot Level Switch



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