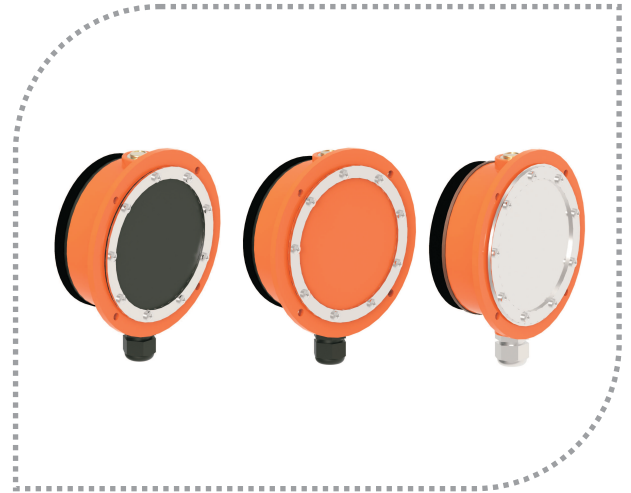


Working Principle:

Level control with membrane is the most economical method in measurement of level of bulk material in the storage. It can be used in open and non-pressure tanks. ELZ can check full, empty and loaded situations of powdered, dusty, corny, granular, grained bulk materials in the grain elevator. It is appropriate for using in the particles in 0,3 and 2,5 t/m³ and up to max. 30 mm. Membrane should contact with checked material certainly.

As long as material, which is poured to the grain elevator, accumulates, membrane is closed. Material pushes membrane back with composed press and mechanism pushes the contact. Contact gives audible alarm or it is used for stopping filling mechanism of grain elevator. When material precipitates and reduces, contact reverts back. Precision setting is made during assembly by sliding the mechanism.



ELZ LEVEL SWITCH WITH DIAPHRAGM

For Solid Materials

ELZ 11

ELZ 21

ELZ 31

Advantages :

- * Economical.
- * Easy installation and commissioning.
- * Fast delivery.



Technical Specifications :

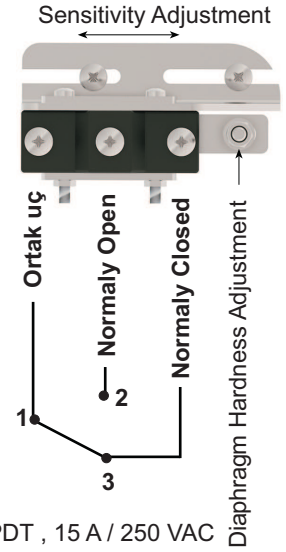
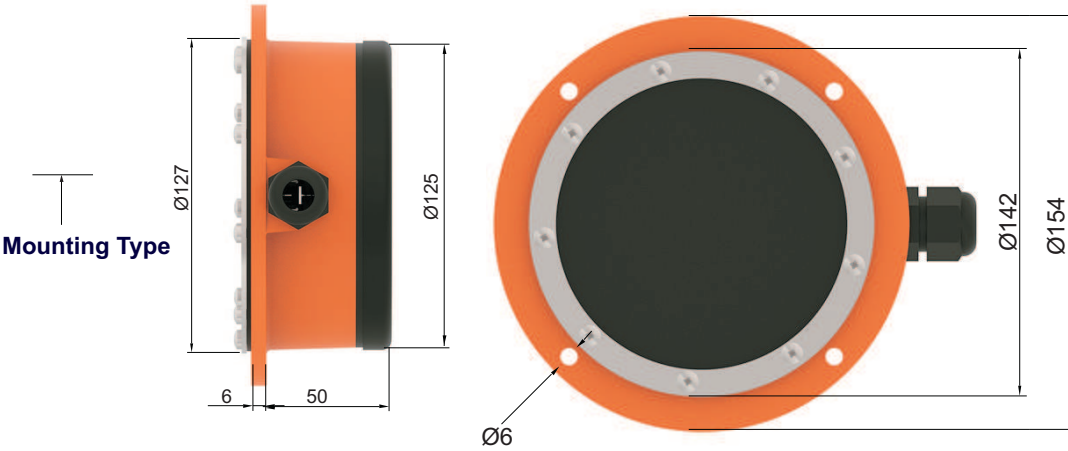
Installation	Vertical
Material	Fiber reinforced plastic. Opt. Aluminum Casting
Diaphragm	Neoprene, Viton, Stainless Steel
Working Temperature	(-) 20...(+) 80 ° C ELZ with NBR diaphragm 11 (-) 20...(+) 150 ° C with Viton diaphragm ELZ 21 (-) 20...(+) 200 ° C Rust. Diaphragm with ELZ 31
Protection Class	IP 40
Max. Working Pressure	3 bar, NBR, for Viton Diaphragm 1 bar Stainless Diaphragm for
Weight With box	525 g. Plastic Body 990 g. Aluminum Body
Accuracy	100 g. 250 g. Adjustable
Electrical Connection	PG 13,5 Plastic, PG 11 Metal (ELZ31)
Contact Output	1 x SPDT 15 A / 250 VAC

Areas of Application ;

Sugar, Hazelnut, Clay, Sunflower Seed, Coffee, Various Granules, Wheat, Bauxite, Ceramic, Legumes, Cereal, Fish Feed, Sand, Pebble, Isolation Materials, Corn, Rice ...

Dimensions:

Electrical connection :



Order Form: Please consider sample models when coding!..

1 MODEL ELZ

Standard NBR with Diaphragm.....11

Standard Viton Diaphragm21

Standard Stainless Steel Diaphragm 31

2 CERTIFICATE

None.....0

(EN10204-3-1) Material Certification 1

3 HOUSIGN MATERIAL

PBT.....65

Special..... x

Aluminum..... 31

4 DIAPHRAGM MATERIAL

NBR Rubber.....81

304 Stainless Steel.....01

Viton.....82

Special..... x

5 OUTPUT

Relay NO / NC (15 A).....15

Special..... x

6 ELECTRICAL CONNECTION

Metal PG 11 Chrome Brass 05

Plastic PG 13.5 Black.....24

Special..... x

7 OPTIONAL

None...../0

Special..... x

EXSAMPLE

ELZ 11 - 0 - 65 - 81 - 15 / 0 , Level Switch , ELZ 11 , NBR with Diaphragm , NO / NC

ELZ 21 - 0 - 65 - 82 - 15 / 0 , Level Switch , ELZ 21 , Viton with Diaphragm, NO / NC

ELZ 31 - 0 - 31 - 01 - 15 / 0 , Level Switch , ELZ 31 , Stainless Steel with Diaphragm , NO / NC