

OPERATING MANUEL

Model : **ELZ**
LEVEL SWITCH WITH DIAPHRAGM

enSIn
sensors

Information in this manual is reviewed and completely reliable. Responsibility is not assumed due to any typing error. Products in this manual are available only for information purpose and they may be changed without notice.



Models :

ELZ 11, ELZ 21, ELZ 31



Important Notes:

Used Symbols :



: Caution



: Note



: Disposal










-  Please read this manual carefully before installation of the **level switch**. User is responsible for accidents and losses arising from failure to comply with the warnings in this manual.
-  In the event that **level switch** is broken, take measures in order to prevent accidents and losses which can occur in its system.
-  There is not any fuse and circuit breaker on the instrument; they should have been added to the system by the user.
-  This manual should be stored in an easily accessible place for subsequent use.
-  The manufacturer's liability cannot exceed the purchase price of the device according to the law.
-  Do not make any modification on the instrument and do not try to repair it. Reparation should be made by authorized service staff.
-  Do not operate the system before making assembly in compliance with the assembly chart related to the instrument.
-  Products which do not contain label and serial number are considered to be excluded from the warranty scope.
-  The instrument's useful life, determined and announced by the ministry, is 10 years.

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3. Failure Delection

Breakdown	Probable cause	Failure detection\correction
No relay output / Continous relay output	-Contact might be broken / burned. -Connection angle might not be vertical. -Supply / Supplied power might be exceeded maximum value. -Swich sensitivity might not adjusted properly.	-Inform authorized service -Make the connection angle vertical. -Inform authorized service. -Check switch sensitivity adjustment.
Unstable Switch	-Physical damages on product. -Swich sensitivity might not adjusted properly. -The effect of vibration on product.	-Inform authorized service -Check switch sensitivity adjustment. -Vibration should be prevented or product should be mounted to a different point.
Fractured Diaphragm	-Bulk material is pointed and sharp. -Bulk material is not chemically compatible with diaphragm material.	-Equipment is not suitable for sharp and pointed materials. Please contact with manufacturer for model change. -Switch to appropriate diaphragm material.
Broken or dissolved housing	-Physical damage is received from working environment. -Housing damaged from chemical effect.	-Outer physical effects must be prevented. Change of equipment position is advised. -Housing type can be changed for more protection against outer effects, please contact with manufacturer with determined environment conditions.

If you find an error, try to eliminate it by using this table or send the instrument to our service address for repair.



The instrument should be repaired only by authorized service!

4. Disassembly of Instrument

Instrument should be disassembled while feeding and pressure is not available!

5. Service

The instrument does not require maintenance. If it is desired, residue accumulated inside should be blown according to kind of fluid and instrument can be cleaned with soft cleaning solutions. Measures should be taken during the disassembly.

6. Recalibration

Calibration is not required during long period useful life of a level switch.

7. Repair – Manufacturer Address

If irreparable breakdowns occur, the instrument should be sent to us for repair purpose. Before this, the instrument should be cleaned carefully and packaged so as not to be broken. Furthermore, you should also add a detailed explanation which describes the breakdown while instrument is sent. If your instrument contacts with harmful substances, decontamination report should be also sent additionally. In the event that instrument does not have any decontamination report or our service department has doubts about instrument, repair process will not start until an acceptable report is sent.



If the instrument contacts with hazardous substances, necessary measures should be taken for decontamination!
Service -Manufacturer Company Name and Address:

LONCA MAK. SAN. TİC. A.Ş.Ferhatpaşa Mahallesi Gazipaşa Caddesi No:104 A 34888 Ataşehir / İSTANBUL - TÜRKİYE

Tel:+90 216 505 05 55 Faks:+90 216 515 45 84 E-Mail: lonca@ensim.com.tr Web: www.ensim.com.tr

8. Disposal

The instrument should be disposed according to 2002/96/EC and 2003/108/EC European Directives (waste electrical and electronic instruments). Waste electrical and electronic equipment should not be mixed with domestic wastes!



If the instrument has contacted with harmful substances, special attention should be paid for its disposal!

9. Terms of Warranty

The instrument has warranty legally for 24 months after delivery date. Warranty demands are not accepted in case of inappropriate operation, damage on the instrument or any modification on the instrument.

10. Terms of Return

In the return of materials, user should send an open list related to damage or problem, malfunction of the material to be returned or its operation in the different modification, with the instrument. If it is required to return the material, used in the dangerous, corrosive or toxic fluid, in this case, used part should be cleaned very carefully. Security of personnel should be ensured. All products to be returned should be sent to our company address, which we have stated.