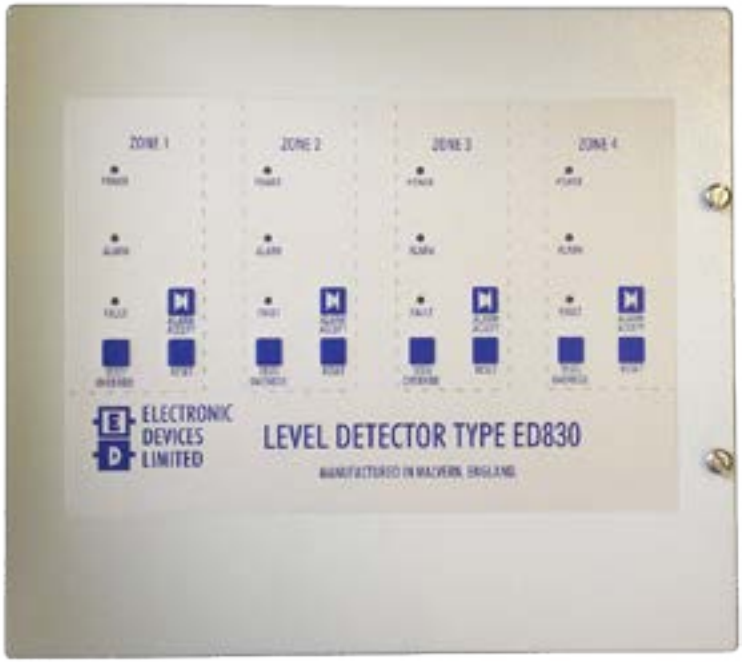
LEVEL DETECTOR - TYPE ED 830

ELECTRONIC DEVICES LTD

The ED830 is a four zone level alarm control unit, each zone is totally independent, with separate circuitry, switches, fuses, output relays, lamps, etc. In addition the zone wiring is fault monitored. Both on and off delay times can be adjusted for each zone giving a pump run on facility and avoiding nuisance alarms due to movement of the vessel.

With the flexible circuitry the ED830 allows additional float switches to be fitted without the need for modification.



APPROVED BY

Please note the ED830 level detector does not have these approvals as standard, zener barriers must be requested and installed to the control panel to obtain them.

SGS Baseefa Certified Ex ia IIC

Quality Assurance to SGS Baseefa Cerificate Number: 0344

FEATURES

- Four completely separate zones
- Each zone is individually fused
- 1 set of 8A sounder contacts per zone
- Separate mute facility per zone
- 1 set of 8A pump contacts per zone
- 1 set of 8A beacon contacts per zone
- Pump run on timer per zone
- Anti-slop timer per zone
- Fully fault monitored zone wiring
- Allows additional float switches to be fitted

Notes: If full marine approval is required, the ED700 multifunction alarm panel manufactured by Electronic Devices should be considered.

ED735 Float switch: For use with ED830

SPECIFICATION

Power input 12VDC or 24V DC
(Please specify with order)

Typical Current consumption per zone:

In non-alarm condition = 20mA
In alarm condition = 25mA
with short circuit
wiring fault = 70mA

Note sounder, beacon and pump consumption not included.

Ambient temperature range -25C to +55C

GENERAL

The ED830 is a four zone level alarm control unit designed to meet the marine code of practice. In particular, each of the four zones are totally independent. Each zone has completely separate circuitry, switches, fuses, output relays, lamps, etc.

In addition the zone wiring is fault monitored with the aid of a 4K7 ohm end of line resistor, which must be fitted at the end of the zone wiring. Both on and off delay times can be adjusted for each zone giving a pump run on facility and avoiding nuisance alarms due to movement of the vessel. With the flexible circuitry employed by the ED830 additional float switches can be fitted to each zone without the need for modification, however current regulations should be consulted when deciding upon the numbers of float switches required.

HAZARDOUS AREA

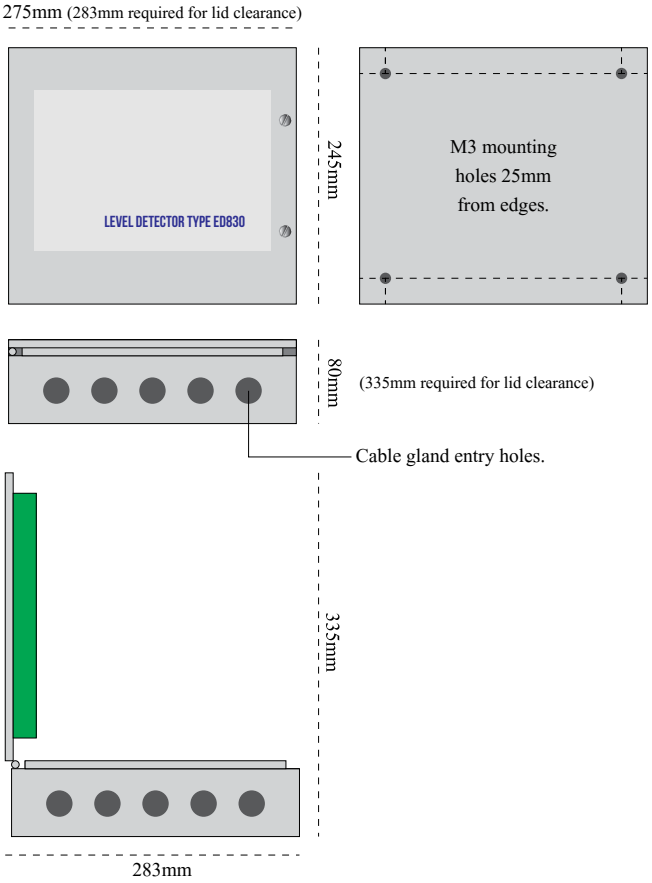
Where a particular installation is classified as “Hazardous”, consideration should be given to the possibility of fitting an Electronic Devices Interface unit containing Zener Barriers to make the installation Intrinsically Safe.

ED735 FLOAT SWITCHES

ED735 float switches are available in the standard and end of line (E.O.L) versions.

By using a E.O.L float switch as the last connected float switch per zone allows the ED830 control panel cable monitoring functionality up to the end point.

DIMENSIONS



TYPICAL CONNECTION DIAGRAM