ProAlert®

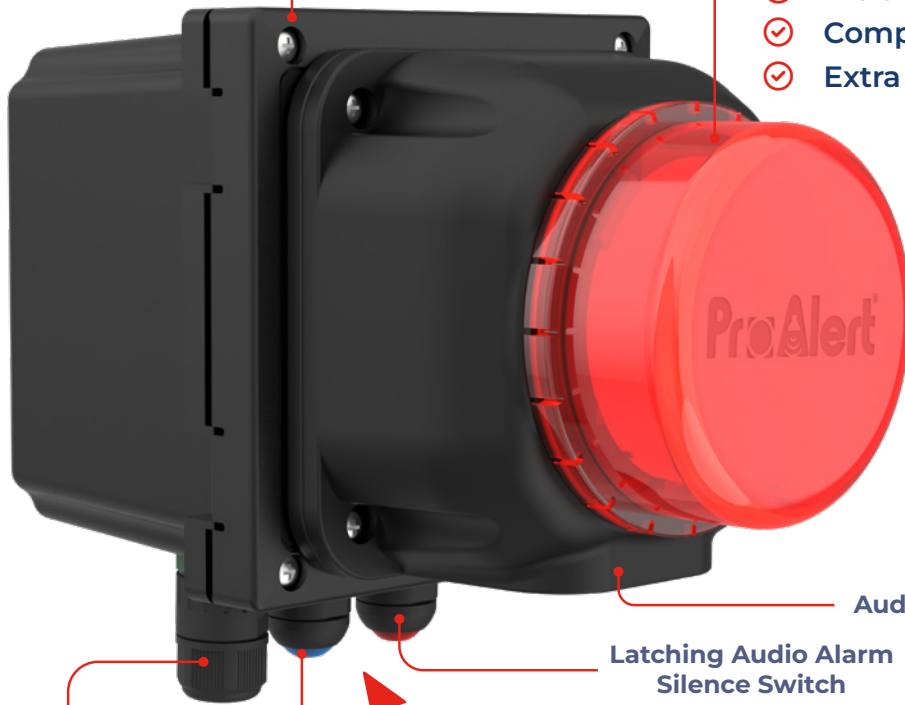**The Next Big Thing in Liquid Monitoring**

Features

- High Intensity Red Alarm Light
- Pulse to Relay Output
- Super Loud 108dB Audible Alarm
- Silence Function | Light Remains On
- Rugged NEMA 4X Industrial Enclosure
- External Wall Mounting Brackets
- High Impact Plastic Polycarbonate Shell
- Includes 6' Power Cord + Watertight Cord
- Completely Pre-Wired
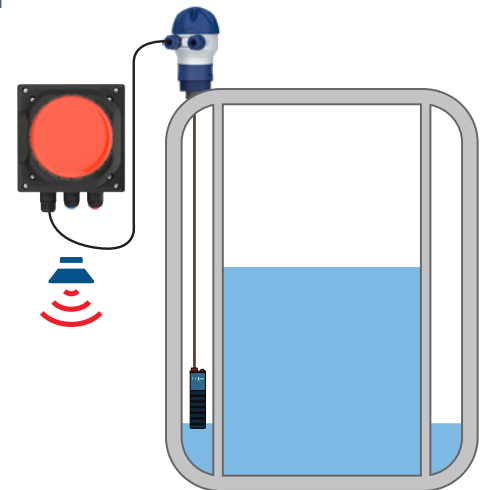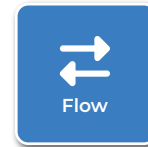- Extra Output Contact to Remote Alarm or PLC

All Plastic NEMA 4X Enclosure

Built in Visual Alarm

108dB Audible Alarm

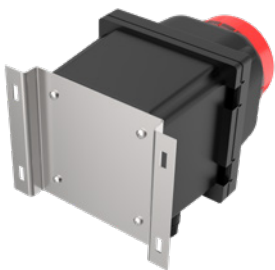Latching Audio Alarm Silence Switch

SimplConnect™ Cable Grip Connectors

Alarm Test

Flow

Liquid Level

Analytical

Pressure

Leak Detection

3 Easy Mounting Options

Wall Mount

Panel Mount

Pole/Pipe Mount

ABS | PC | RoHS Compliant | CE

Typical Applications

- ✓ **High High | Low Level Indication for Tanks | Sumps**
- ✓ **Bag | Filter Change Out**
- ✓ **Leak Detection**
- ✓ **Flow | No Flow Sensors | Pump Protection**
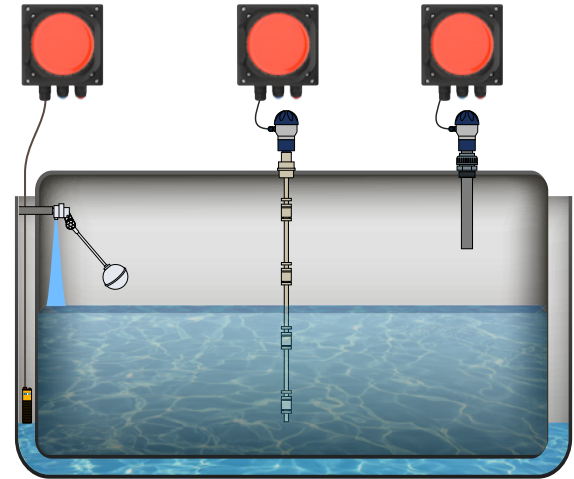- ✓ **Upset Condition Notification**

NOTE: The ProAlert® 2 can be used in more than just leak detection applications. It is an excellent high/low level alarm or any other upset condition.

Specifications

- ✓ **Dimensions | 7" X 5" X 4.5"**
- ✓ **Enclosure | NEMA 4X**
- ✓ **Weight | 2.1 lbs.**
- ✓ **24VDC**
- ✓ **100 - 240VAC** *(with DC adapter)*
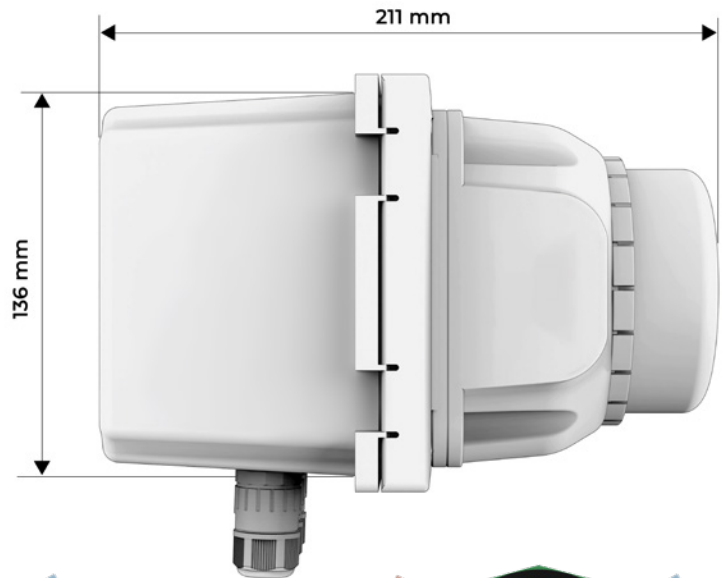
211 mm

136 mm

Model Selection

ProAlert® PA223
- PNP | NPN | Dry Contact Input
- 10AMP AC | 10AMP DC Relay Output

Wiring Diagram

SimplConnect™
Cable Grip Connectors

Brown Wire

Blue Wire

Pulse

Black Wire

Brown Wire

Blue Wire

Relay

Alarm Test

Output From Sensor

Latching Audio Alarm Silence Switch

Wiring Diagram

Light/Alarm

RED   BLACK   WHITE

For Pulse Output

| 11 | 12 | 13 |

| 1B | 2B | 3B | | 4B | 5B | 6B | 7B |
| 1A | 2A | 3A | | 4A | 5A | 6A | 7A |

| 8 | 9 | 10 |

Button
TEST
+   -

Power
+   -

Button
+   -

Sensor   Sensor   Sensor
BROWN   **BLUE**   **BLACK**

Wiring Diagram

Light/Alarm

RED   BLACK   WHITE

For Relay Output

Relay Out

11 12 13

1B 2B 3B   4B 5B 6B 7B

1A 2A 3A   4A 5A 6A 7A

8 9 10

Sensor   Sensor
BROWN   **BLUE**

Button   Power   Button
TEST
+   -   +   -   +   -

Wiring Diagram

For Leak Detection

Light/Alarm

RED   WHITE   BLACK

+12V   GND   NO/NC   COM

1B   2B

3B   4B   5B   6B   7B

1A   2A

3A   4A   5A   6A   7A

NO
NC

ON
1 2

H
L

R   B

Sensor
RED

Sensor
BLUE

Button
TEST
+   -

Power
+   -

Button
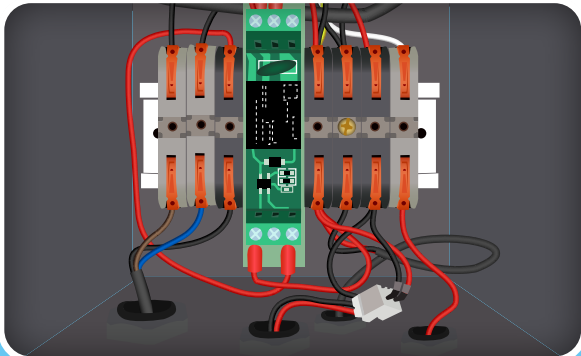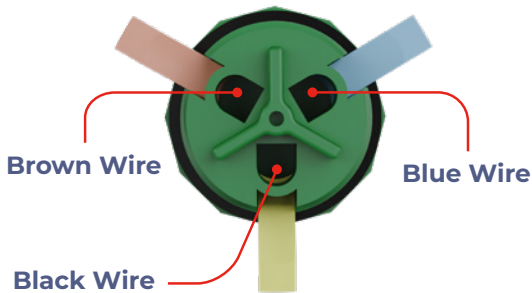+   -
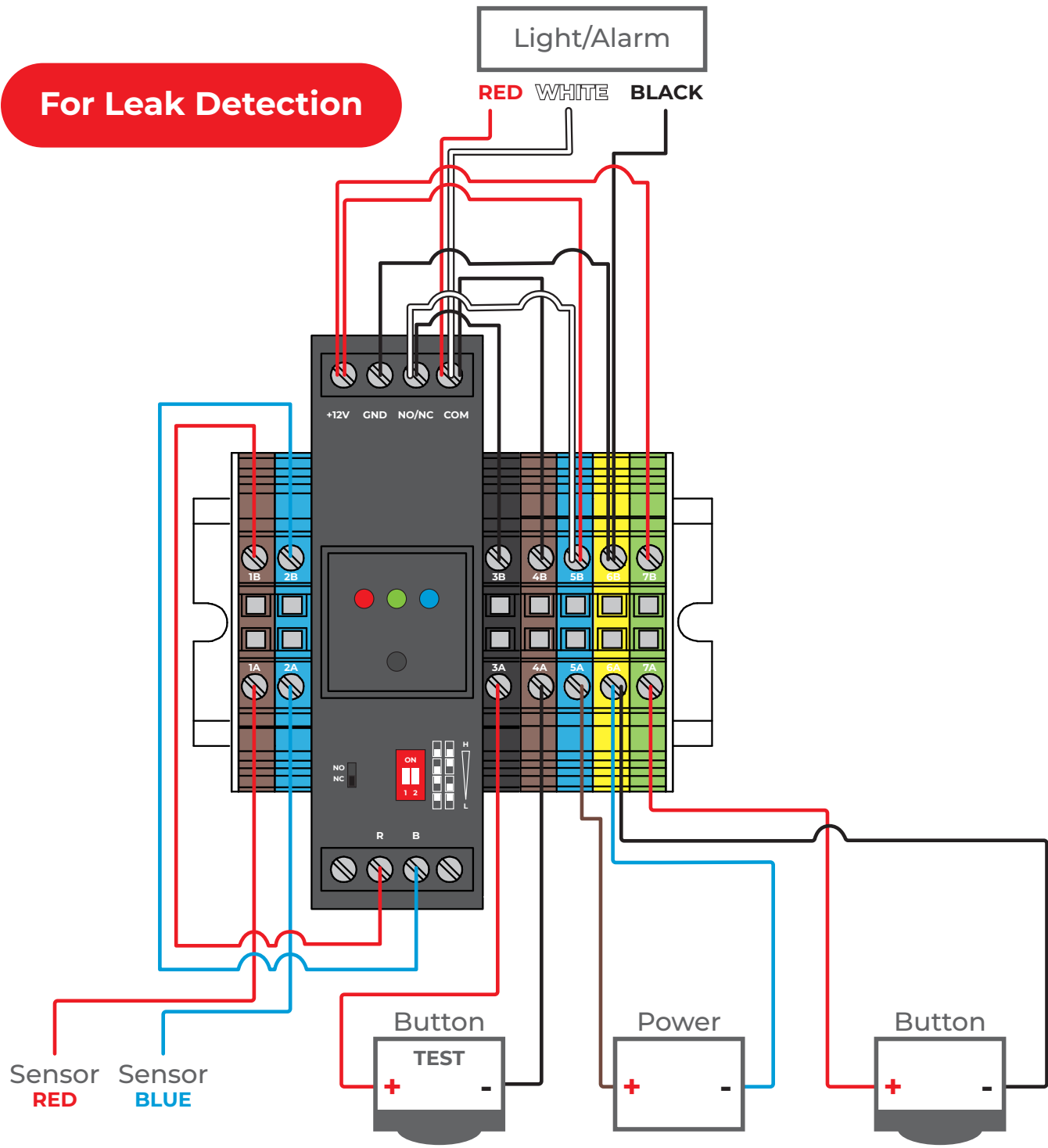
Setup for LDS-YN Leak Detection

PRE-WIRED
NO INTERNAL WIRING NECESSARY

Inside the Pro-Alert® 2 box, the P2R relay has been prewired to a quick connect which the **LDS-YN Leak Sensor** will connect to.

Brown Wire

Blue Wire

Black Wire

From the LDS-YN Sensor there is a Blue, Black, and Brown wire and they should attach as follows:

- Blue sensor wire will connect to the Blue quick connect terminal.
- Black sensor wire will connect to the Yellow quick connect terminal.
- Brown sensor wire will connect to the Orange quick connect terminal.
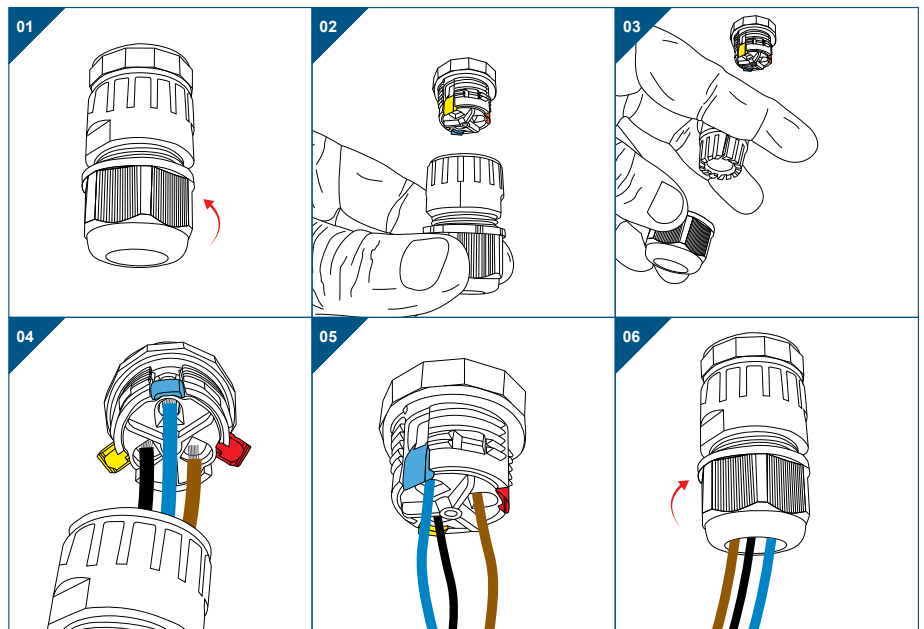
Troubleshooting:

If the sensor is not working properly follow the following steps:

1. If sensor is in constant state of alarm — Place sensor 4" above a cup of water and turn the potentiometer until the system quits alarming. This will calibrate the sensor to detect a liquid 4" from contact.

2. This unit does not provide a 120v output to run to a PLC/Skada system. It only provides a 12-14v output.

Latching Audio Alarm Silence Switch

Alarm Test

Power