LevelPro® — ProAlert® 2
Industrial Visual | Audible Sentry Alarm

ICON
PROCESS CONTROLS

Corrosion-Free
Instrumentation Equipment™

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ProAlert®

The Next Big Thing in Liquid Monitoring

Features

- ✓ **High Intensity Red Alarm Light** (Optional Blue Lens)
- ✓ **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

Flow | Liquid Level | Analytical

Pressure | Leak Detection

108dB Audible Alarm

SimplConnect™ Cable Grip Connectors

Latching Audio Alarm Silence Switch

Alarm Test

Optional Blue Lens for Enhanced Visibility

3 Easy Mounting Options

Wall Mount | Panel Mount | Pole/Pipe Mount

ABS | PC | RoHS Compliant | CE

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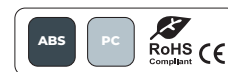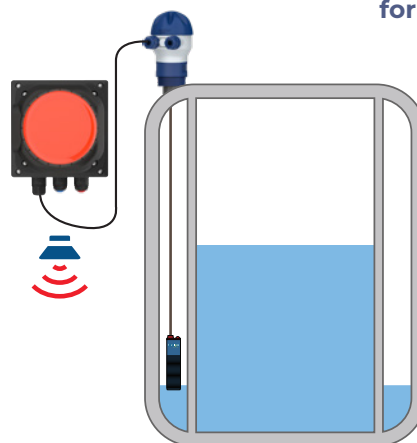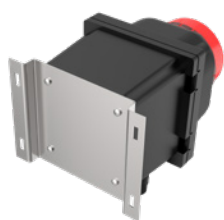
Typical Applications

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

Specifications

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

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.

211 mm

136 mm

Model Selection

ProAlert® PA223
- PNP | NPN | Dry Contact Input
- Audible | Visual Alarm
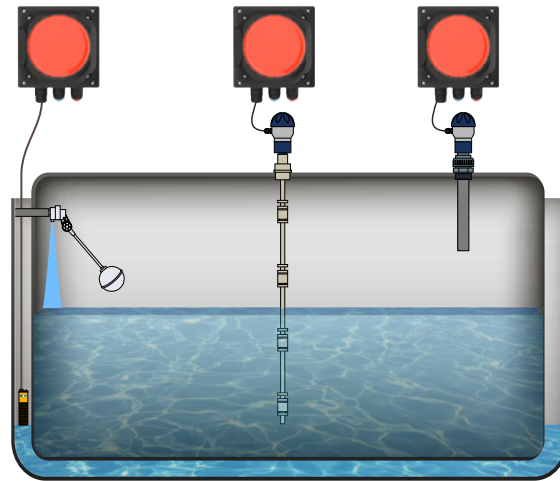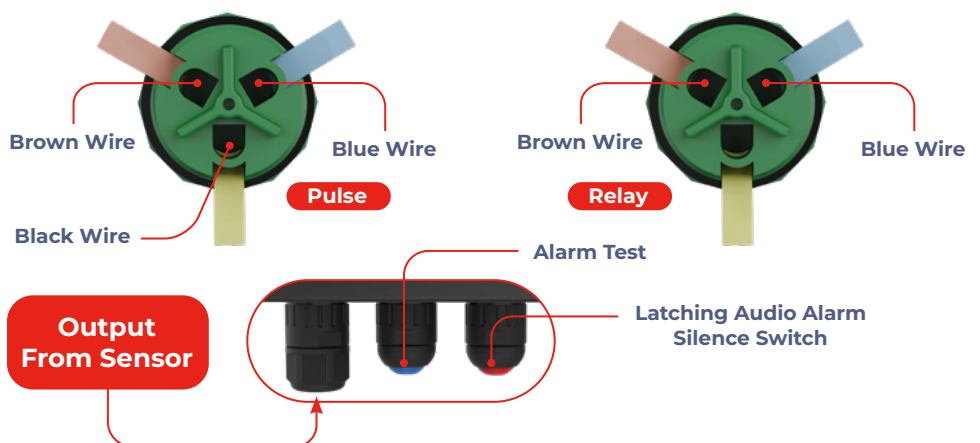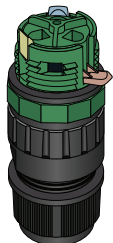
ProAlert® PA223-PR (PA223-PR-2 for 2 relays)
- PNP | NPN
- 10AMP AC | 10AMP DC Relay Output
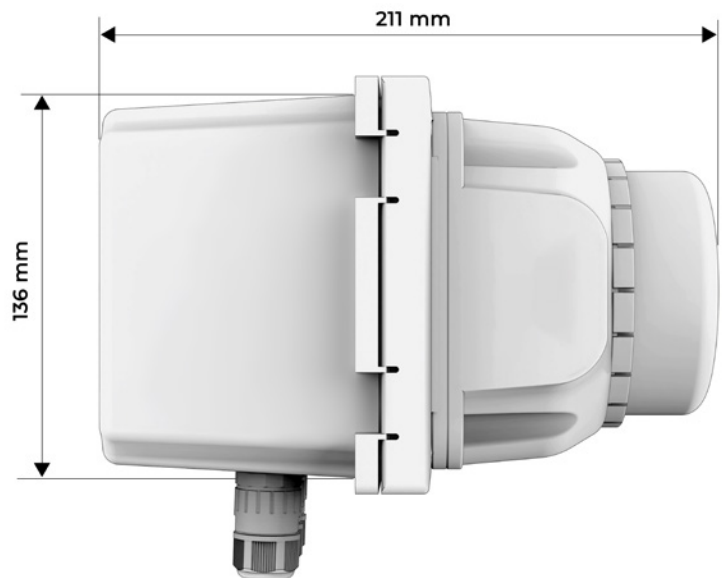- Audible | Visual Alarm

ProAlert® PA223-LD
- PNP | NPN | Dry Contact Input
- Audible | Visual Alarm
- Leak Detection Module for Leak Detection Cable
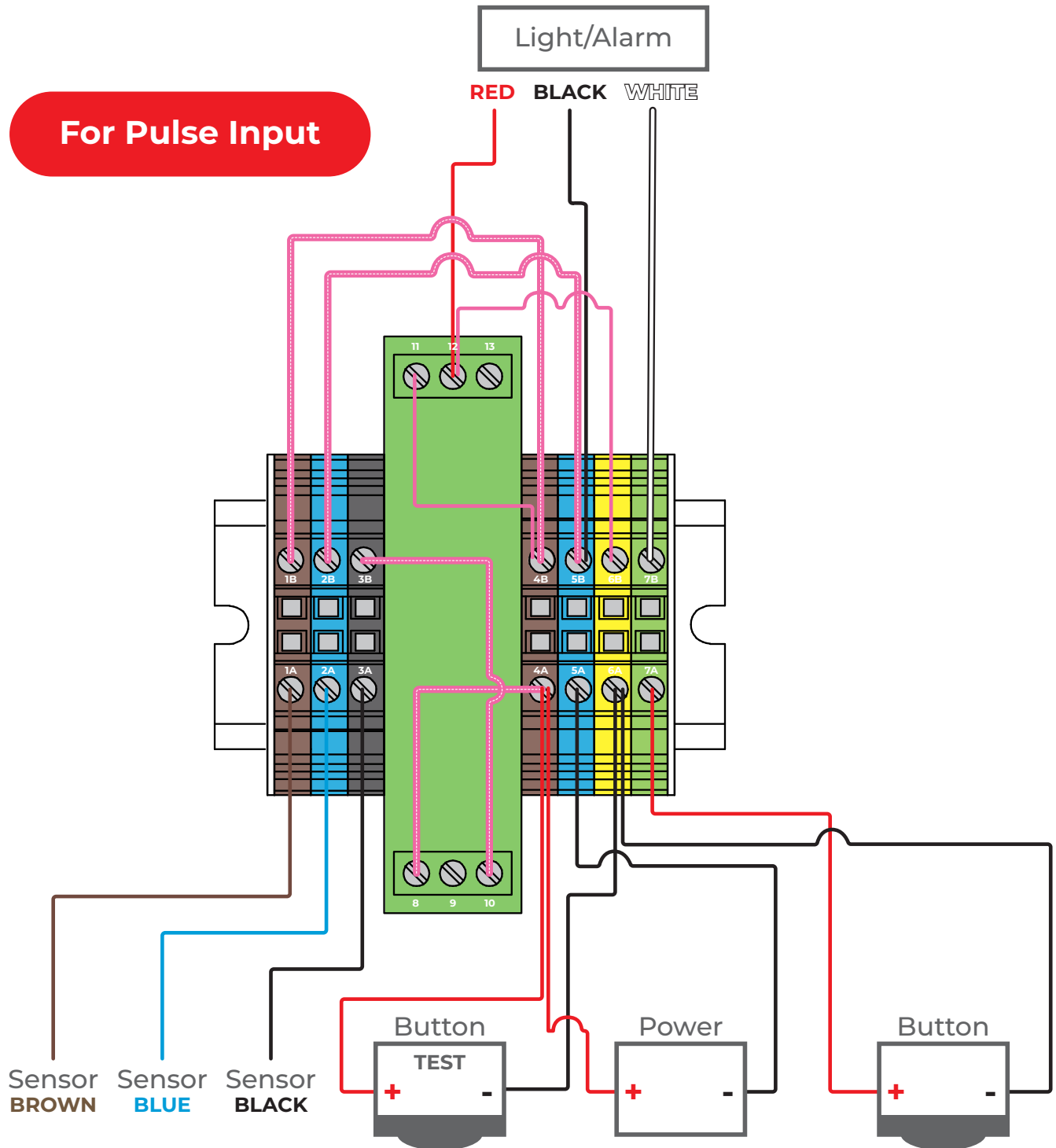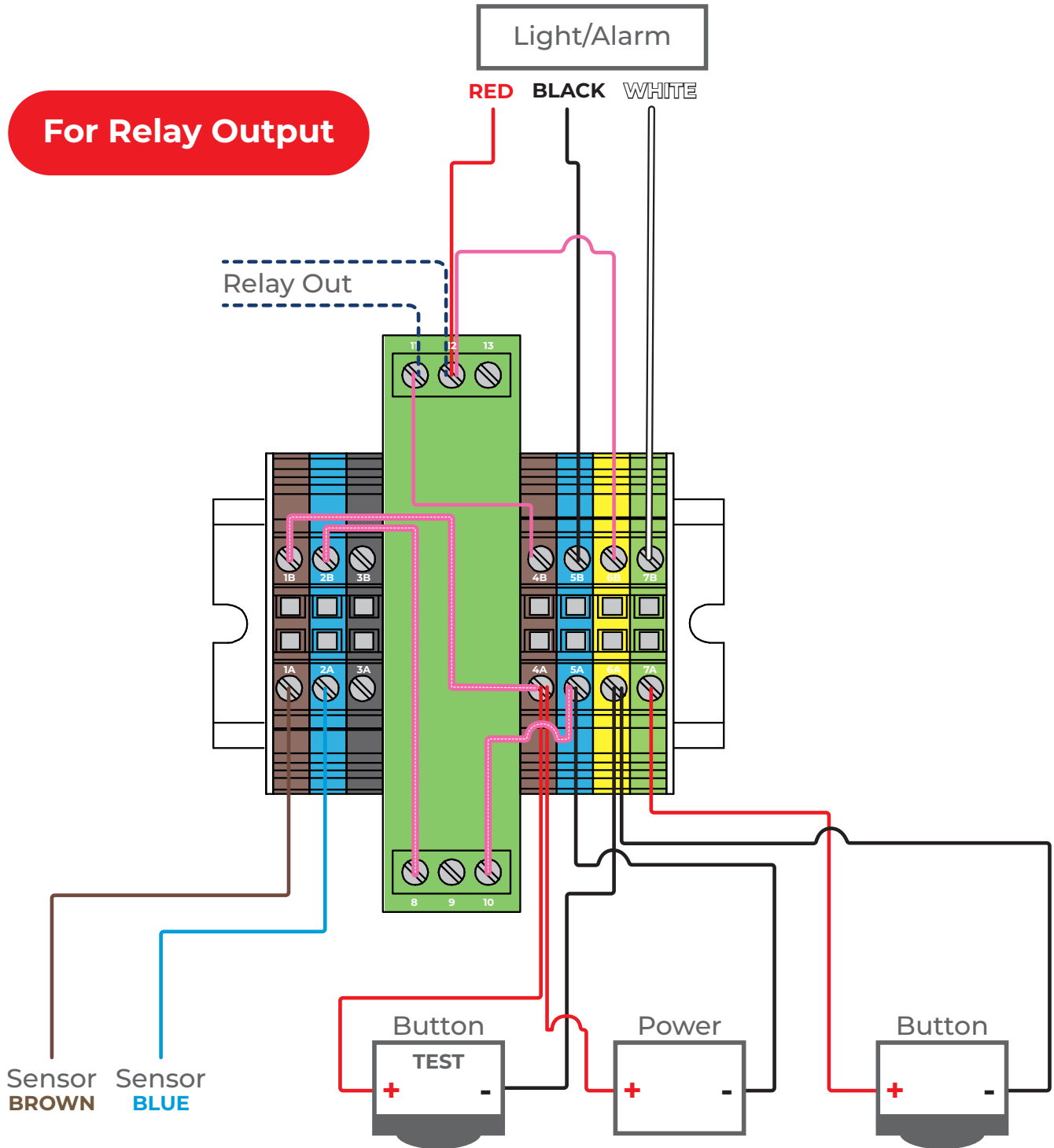
Add suffix "-B" for blue lens

Wiring Diagram

SimplConnect™ Cable Grip Connectors

Brown Wire — Blue Wire
Black Wire
Pulse

Brown Wire — Blue Wire
Relay

Alarm Test

Output From Sensor

Latching Audio Alarm Silence Switch

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Wiring Diagram

For Pulse Input

Light/Alarm

RED   BLACK   WHITE

11   12   13

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

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

8   9   10

Sensor **BROWN**   Sensor **BLUE**   Sensor **BLACK**   Button **TEST** + −   Power + −   Button + −

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Wiring Diagram

For Relay Output

Light/Alarm

RED   BLACK   WHITE

Relay Out

1B 2B 3B   4B 5B 6B 7B
1A 2A 3A   4A 5A 6A 7A
11 12 13
8   9   10

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

Button **TEST**   +   -

Power   +   -

Button   +   -

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Wiring Diagram

For Pulse Input – Relay Output

Light/Alarm
RED   BLACK   WHITE

Sensor **BROWN**   Sensor **BLUE**   Sensor **BLACK**   Relay **RED**   Relay **BLUE**

Button   TEST   +   -
Power   +   -
Button   +   -

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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

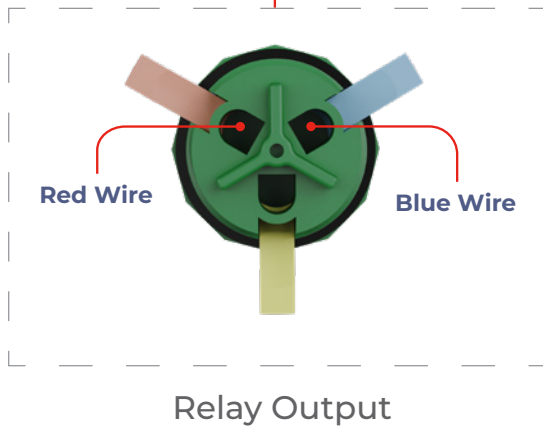Sensor RED   Sensor BLUE

Button
TEST
+   -

Power
+   -

Button
+   -

Wiring Diagram

For Pulse Input — Relay Output
(Optional)

Pulse Input

Brown Wire

Blue Wire

Black Wire

Pulse Input

Relay Output

TEST Button

MUTE Button

⚠ **24 VDC**

POWER (Pre-Wired)
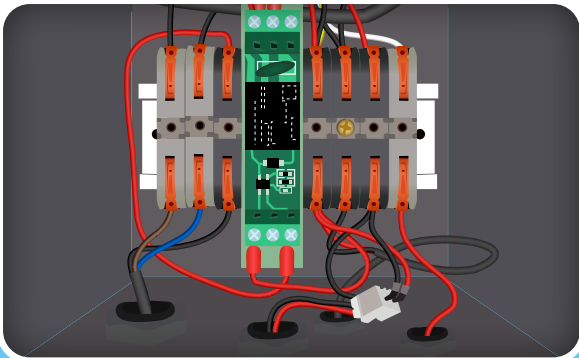
Relay Output

Red Wire

Blue Wire
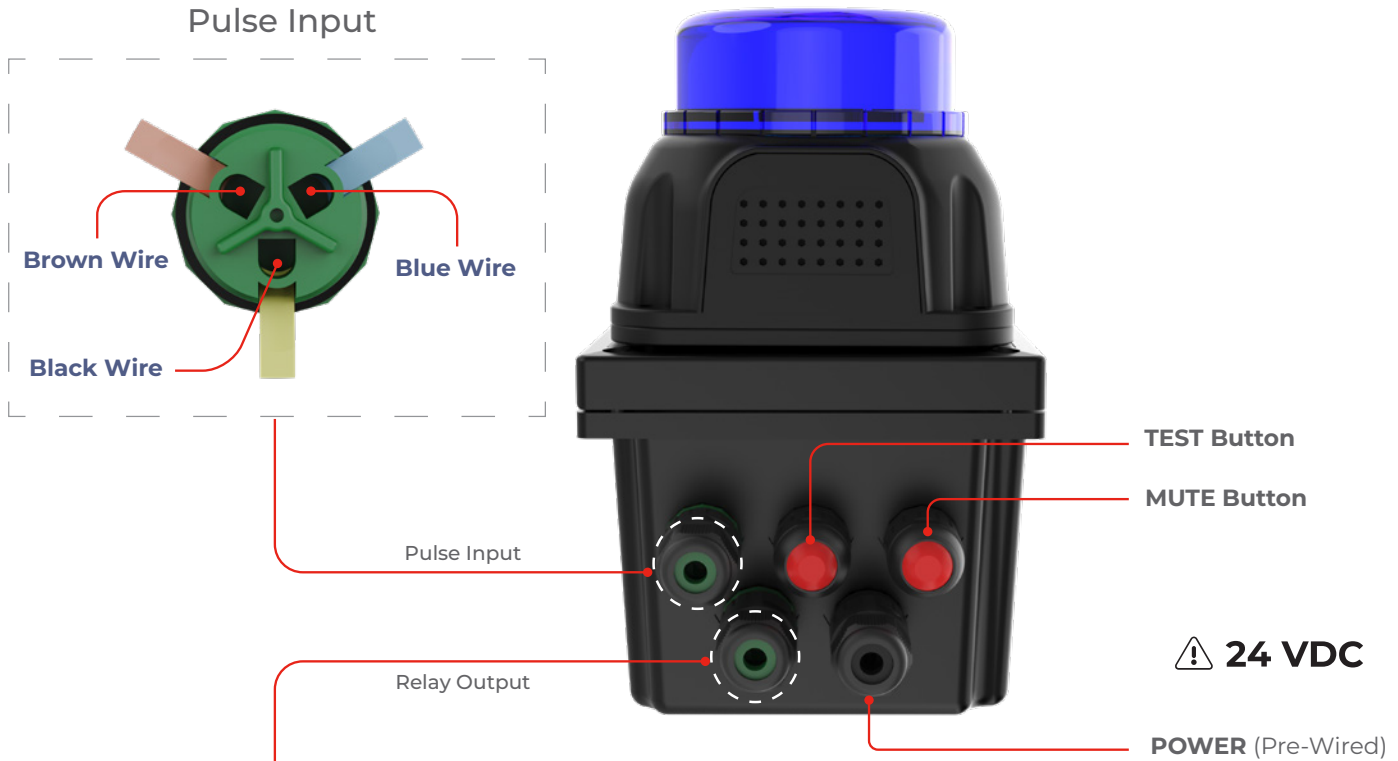
Quick Connect Wiring
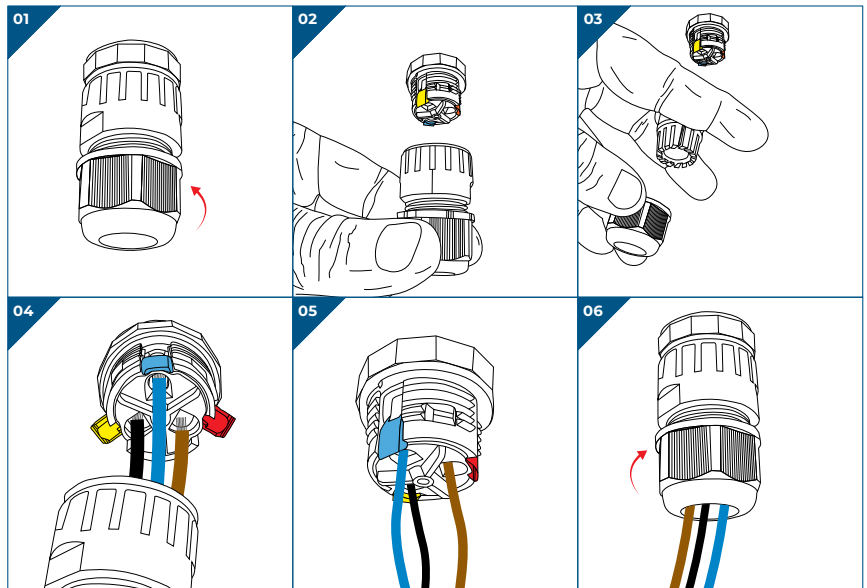
Setup for LDS-YN Leak Detection

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.

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.

Brown Wire   **Blue Wire**

Black Wire
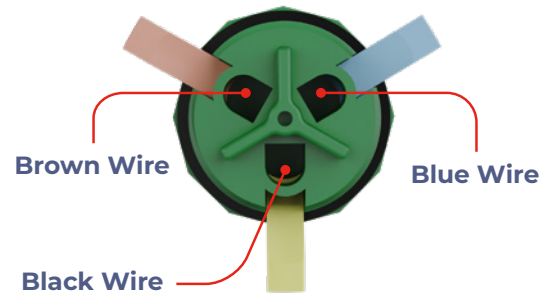
Troubleshooting:

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

Power

Alarm Test