# 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

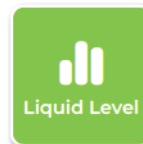**All Plastic NEMA 4X Enclosure**

Built in Visual Alarm

ProAlert®

108dB Audible Alarm

SimplConnect™ Cable Grip Connectors
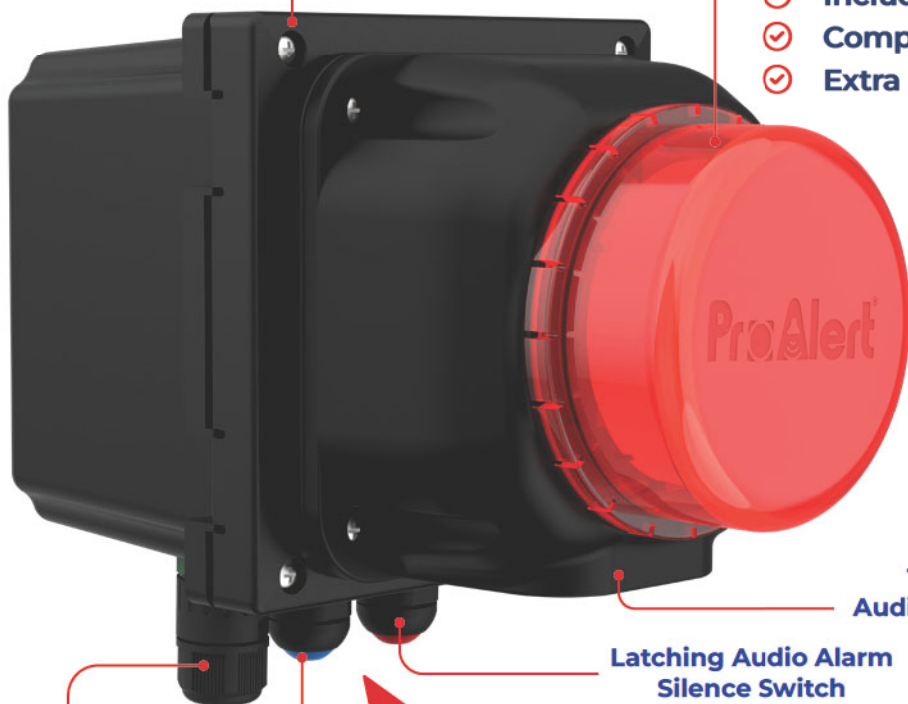
Latching Audio Alarm Silence Switch

Alarm Test

Flow

Liquid Level

Analytical

Pressure

Leak Detection
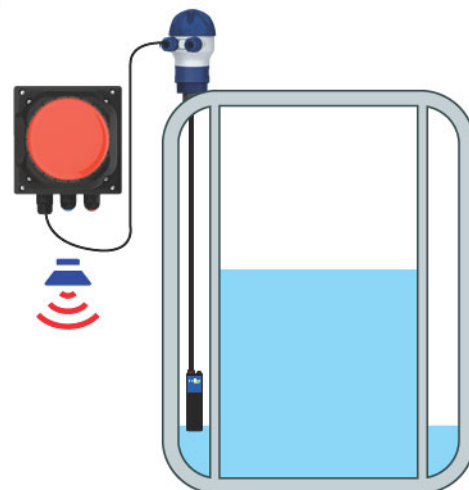
3 Easy Mounting Options
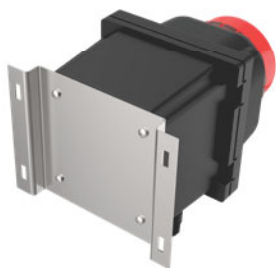
Wall Mount
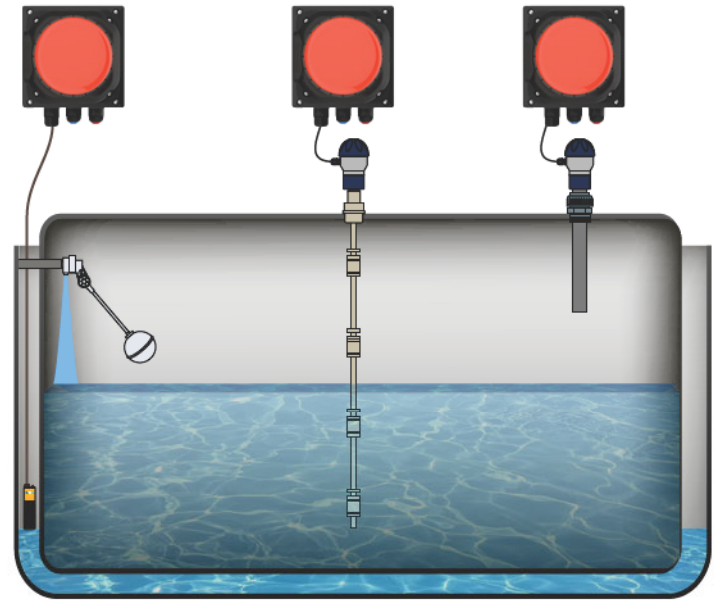
Panel Mount

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**

Specifications

- ⊘ **Dimensions | 7" X 5" X 4.5"**
- ⊘ **Enclosure | NEMA 4X**
- ⊘ **Weight | 2.1 lbs.**
- ⊘ **120VAC | 60Hz | 1 Amp**
- ⊘ **Input Power | 100 - 240VAC**

NOTE: The ProAlert® PA223 can be used in more than just leak detection applications. It is an excellent high/low level alarm or any other upset condition.
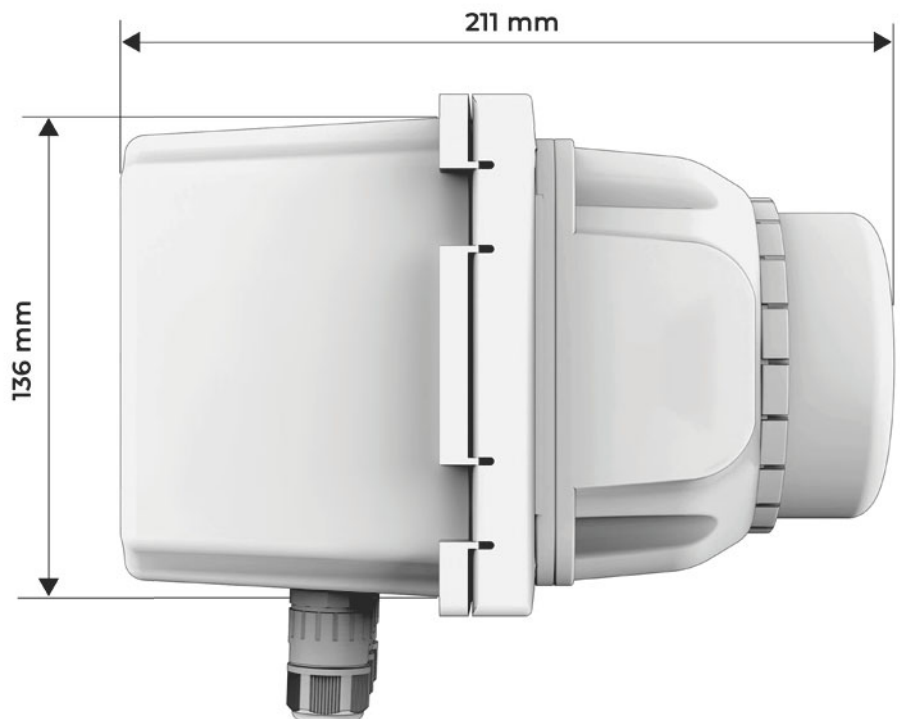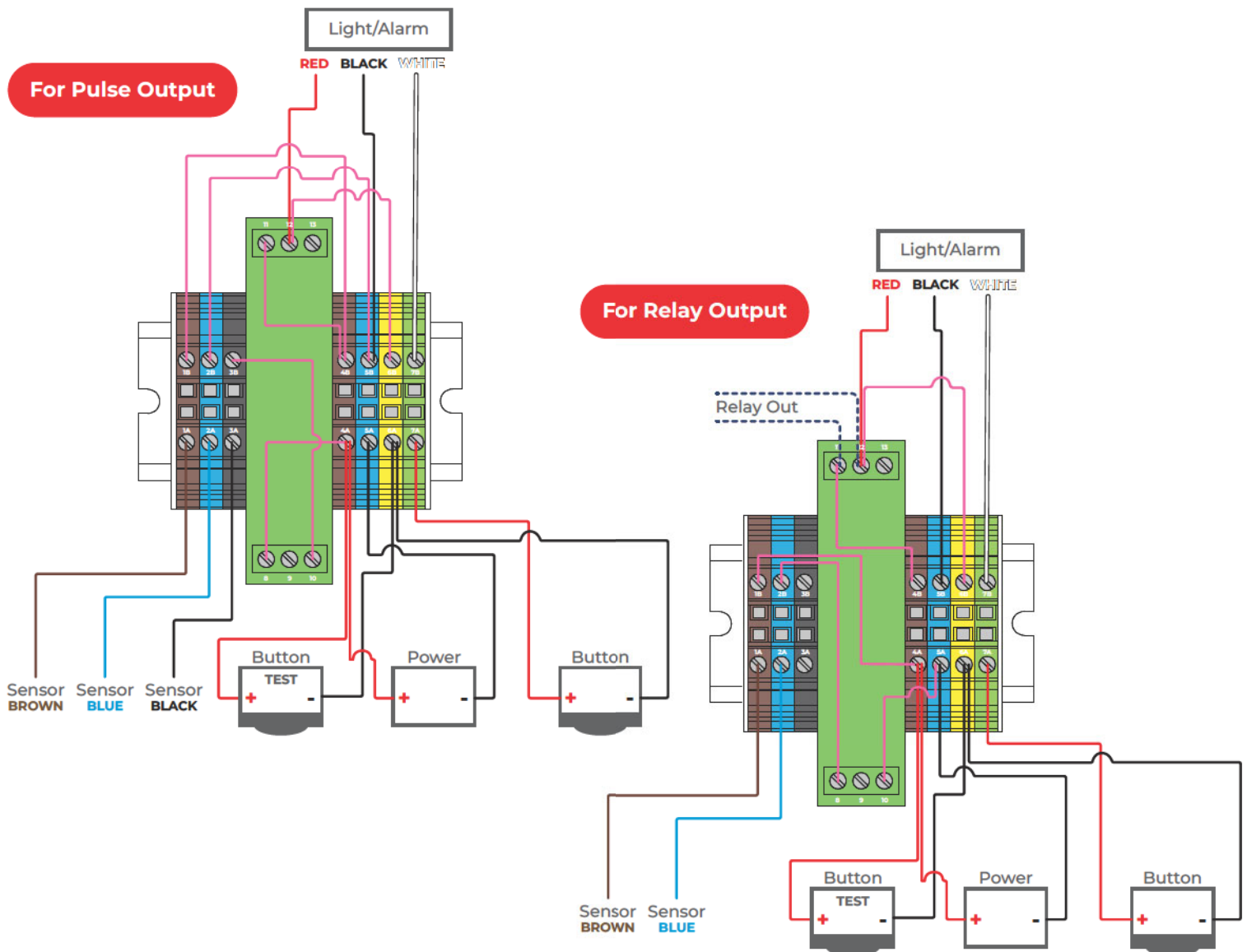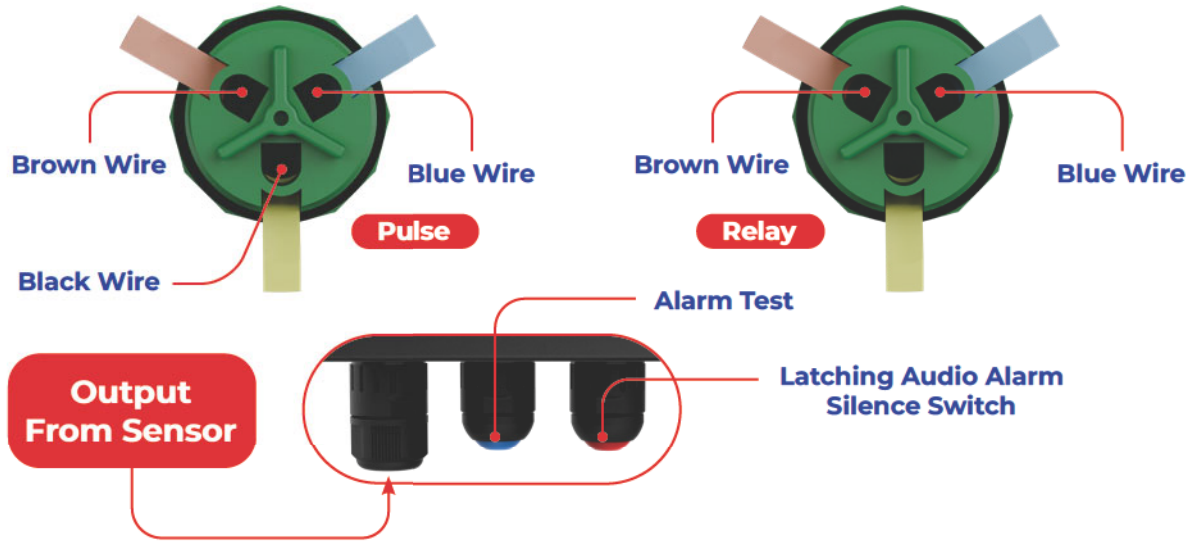
Model Selection

ProAlert® PA223
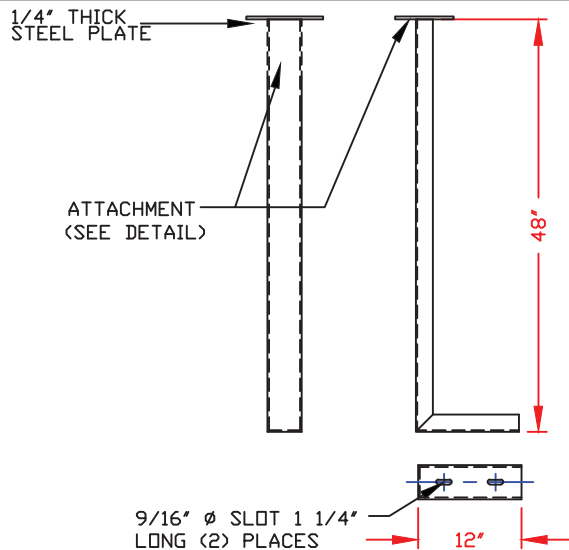- 24VDC - Dry Contact Input

ProAlert® PA223-PR
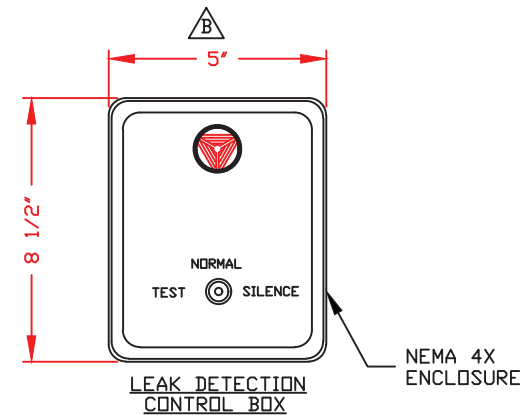- PNP | NPN Pulse
- Input - 5AMP Relay Timer Signal Output

211 mm

136 mm

Wiring Diagram

SimplConnect
Cable Grip Connectors

Brown Wire

Blue Wire

Pulse

Black Wire

Brown Wire

Blue Wire

Relay

Alarm Test

Latching Audio Alarm Silence Switch

Output From Sensor

Light/Alarm

RED   BLACK   WHITE

For Pulse Output

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

Button **TEST** + −   Power + −   Button + −

For Relay Output

Light/Alarm

RED   BLACK   WHITE

Relay Out

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

Button **TEST** + −   Power + −   Button + −

1/4" THICK
STEEL PLATE

ATTACHMENT
(SEE DETAIL)

48"

9/16" Ø SLOT 1 1/4"
LONG (2) PLACES

12"

OPTIONAL CONTROL BOX STAND

6"
6 3/4"

3/8" BOLT
HOLE TYP (4)

5 1/8"
3 1/2"

ATTACHMENT
DETAIL

⚠ B

5"

NORMAL
TEST ⊙ SILENCE

8 1/2"

NEMA 4X
ENCLOSURE

LEAK DETECTION
CONTROL BOX
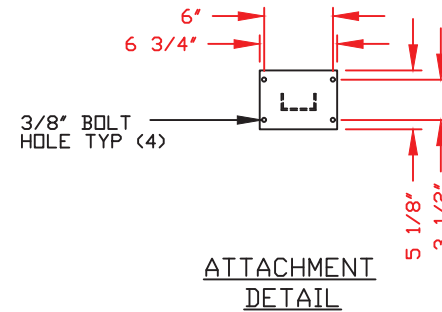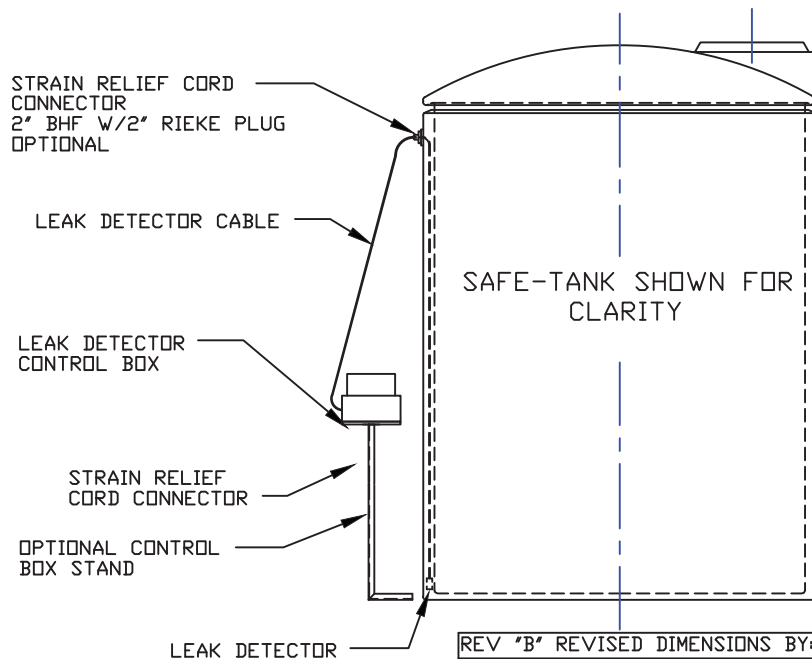
NOTES
1. THIS IS A COMPUTER GENERATED DWG. DO NOT REVISE BY HAND.

STRAIN RELIEF CORD
CONNECTOR
2" BHF W/2" RIEKE PLUG
OPTIONAL

LEAK DETECTOR CABLE

LEAK DETECTOR
CONTROL BOX

STRAIN RELIEF
CORD CONNECTOR

OPTIONAL CONTROL
BOX STAND

LEAK DETECTOR

SAFE-TANK SHOWN FOR
CLARITY

REV "B" REVISED DIMENSIONS BY:JB 4/27/10 CK:CD
REV "A" REMOVED ELECTRIC SCHEMATIC DIAGRAM BY:MBW 4/26/01 CK:JB

DWG TITLE
POLY LEVEL ELECTRONIC LEAK DETECTION DEVICE

SCALE: NONE
DATE: 9/7/18

POLY PROCESSING
COMPANY LLC

Central Region
P.O. Box 4150 (71211)
2201 Old Sterlington Rd.
Monroe, LA 71203
(318) 343-7565
FAX (318) 343-8795

DR: BHARPER
CK: BHARPER

SHEET 1 OF 1
COMPUTER FILE PLLEAKDETNEW
REV B

Poly Level Leak Detection
Wiring with Quick Connect on Pro-Alert 1000 PA223

Inside the Pro-Alert 1000 box the P2R Relay has been prewired to a quick connect which the LDS-YN-Leak Sensor will connect to.

1.

2.

3.
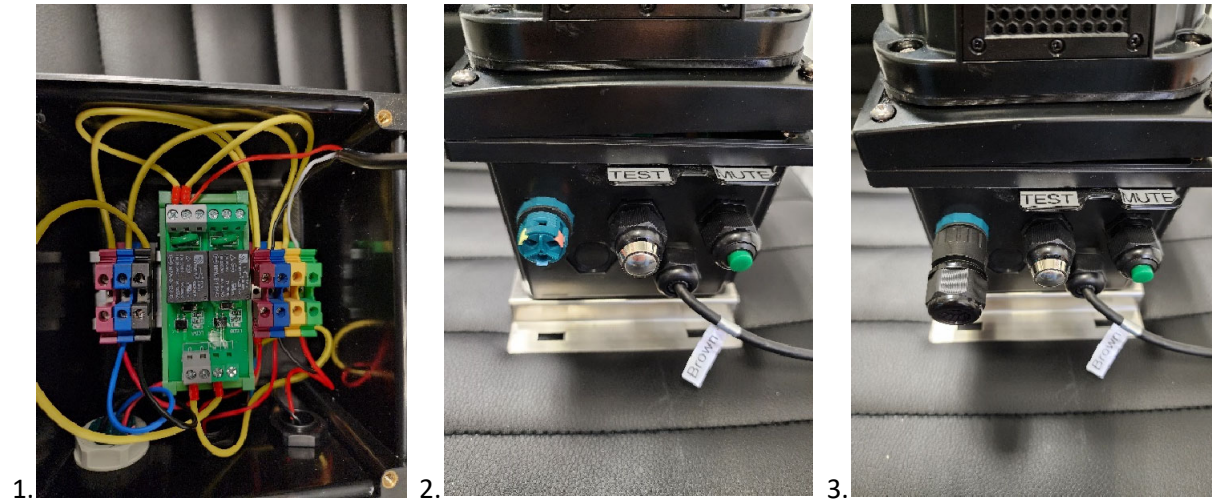
From the LDS-YN Sensor there is a Blue, Black, and Brown wire and they should attach as follows:

1. Blue sensor wire will connect to the Blue quick connect terminal.
2. Black sensor wire will connect to the Yellow quick connect terminal.
3. Brown sensor wire will connect to the Orange quick connect terminal.

4.
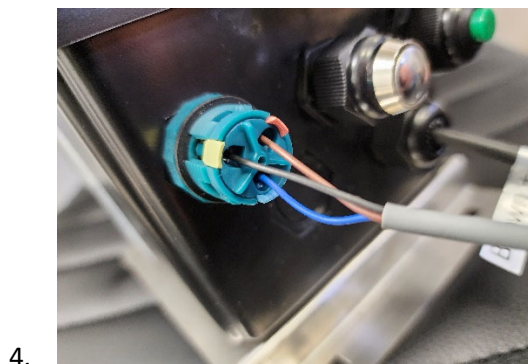
Troubleshooting:

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

1. If sensor is in constant state of alarm
   a. 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.