

# Calibration Guide for XLD

**First: Make sure there is no metal or other metallic objects with in a 3-4 foot radius of the desired location for your XLD units. (Metal Doors, Airs Ducts, Pipes, ect.).**

**Any metal railings, moving metal doors, or overhead duct will interfere with the device.**

**STEP 1:** Set the uprights so that the LED Control Interface is facing each other at width of 36 inches apart.

**STEP 2 :** Turn on one leg/upright only (Either left or right) and Let the unit sit for 30 to 60 seconds to calibrate/cycle.

Set all sensitivities to: (These are baseline settings)

Zone 1: 90

Zone 2: 85

Zone 3: 85

Zone 4: 85

Zone 5: 85

Zone 6: 135 (OVERALL SENSITIVITY ADJUSTMENT ZONE)

Now with a test piece that is equivalent to the size of a pocket knife or small gun proceed to walk thru the unit testing each individual zone. One at a time.

Starting at the lowest zone. You should hold your test piece 15-16 inches away from the upright. If The zone alarms, it is ok. If multiple zones alarm, you will need to decrease Zone 6 by 5.

Repeat for Zone 1 if necessary.

Continue this until ONLY Zone 1 Alarms. Zone 2 may periodically alarm as well, depending upon the density of your item and location.

Make sure that you have NO OTHER METAL on your person when testing.

**STEP 3:** Repeat for Zones 2 thru 5. At this point only adjust Zone 6.

The goal is to adjust zone 6 to the point where you can pass through each zone with the unit alarming but not triggering every zone or connected zone.

So as you test zone 1 thru 5 keep a close eye on the LED lights to make sure when the unit detects metal and alarms it is only setting off in or near the zone detected.

depending upon the density and location of your test piece, you may get 1 or more zones alarmed.

(EXAMPLE) If you are testing zone 3 (waist) and you notice that zone 4 (Stomach/Chest) or Zone 2 (shin/leg) is also alarming, this is normal. The two main reasons being, majority of the time when metal is tested at this area it is not exactly parallel with zone 3, it is usually touching the zones of 2 or 4. The other reason being a persons height. The zones on the unit will never change so if someone extremely short or extremely tall passes through the unit, it will still alarm in the necessary area.

**STEP 4:** (Fine Tuning) Once you have successfully adjusted zone 6 to the point where only 2-3 connected zones are alarming while testing, you can focus on dialing in the individual zones. If you test zone 5 and the unit does not go off, go into the sensitivity menu and adjust zone 5 by 5 clicks up. Now go out of the menu screen and test again. Continue to adjust zone 5 up or down depending on your results. Repeat this for the remaining 4 zones. Once complete turn off this leg.

**STEP 5 :** Turn on the Right/other leg only and set all sensitivities to:

Zone 1: 90

Zone 2: 85

Zone 3: 85

Zone 4: 85

Zone 5: 85

Zone 6: 135

Repeat the same steps from the previous leg until it is operating to your desired preferences.

Once complete turn off this leg.

Lastly once both legs have been calibrated, turn each one on and allow one minute for the units to self-diagnosis and adapt to its environment.

Then test the units working together. If you find any "Dead Area's" – increase only that zone on one side or the other, by increments of 5.

If you are receiving multiple or connected alarms, decrease only that zone on that leg by 5.

Different Test Pieces will give you different results. Be sure to use a test piece that is representative of your desired target.

**Zones based on body:**

**1: Feet**

**2: Mid Leg**

**3: Waist and Groin**

**4: Chest**

**5: Head**

**6: Overall Zone, Effects the sensitivity of all zones when adjusted.**

