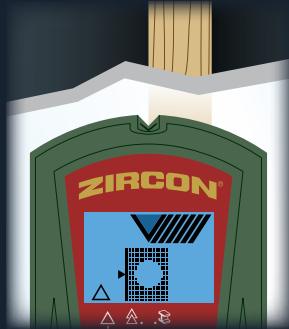# Scanning Technique – "Trust but Verify"

## TRUST

**1**

Always start your wood stud scan in Target Control™ (TC™) mode. Move mode selector switch to left. Place scanner flat against wall. Press and hold Power Button. Wait for beep.

**2**

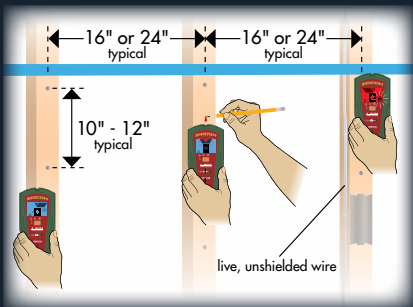Without releasing Power Button, slide scanner slowly across wall.

*Pro Tip: Studs are typically placed 16" or 24" apart on center and normally 1½" wide. When target edge is detected, edge icon displays.*

**3**

Continue sliding. When target center is detected, target icon displays and SpotLite® Pointer illuminates. Mark this location.

## VERIFY

**4**

While still holding the Power Button, from the stud center indication, slide unit VERTICALLY. TC™ will verify clean, 'safe-to-drill' zones along a stud, avoiding screws, nails and plates fastened to the wood stud itself.

*Pro Tip: The 'safe-to-drill' zones are between the drywall screw or nails, typically 10" – 12" apart where one piece of drywall covers the stud. At joints where two pieces of drywall meet, the spacing of screws or nails will typically be much closer.*

**5**

Turning TC™ off detects all potential targets within the tool's range:

1. Double click Power Button. Display backlight will turn off.
2. After beep, begin scan and mark where target center is detected.

## Exercise Caution when Drilling or Nailing

**Pay attention to icons that display or flash.**

LoLevel™ Indicator

AC WireWarning® Indicator

MetalliWarning™ Indicator

Metal icon indicates a metallic object.

Narrow or weak signals, compared to stud signals, may indicate a deeper, smaller, or less dense object.

*Pro Tip: When TC™ is off, differentiate studs from false positives by mapping a large area before cutting or drilling. False positives may be indicated with less indicator bars, less width, or spaced at different intervals than studs.*

## ZIRCON®

**SUPERSCAN™ Wx SERIES**

featuring

**Target Control™ (TC™) Technology**

**W3**

**Locate Studs with Real Confidence**

Target Control™/Level One (TC™/L1) Technology Tuned for Wood Studs

## Zircon® SUPERSCAN™

**Have real CONFIDENCE while looking for those wooden studs!**
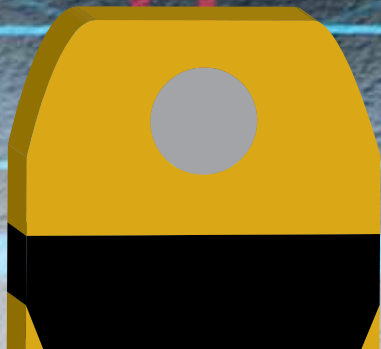
**Easily determine 'safe-to-drill' zones.**

## Competitors

**With no filtering or intelligence, false positive stud indications are the bane of ordinary stud finders.**

**What did you REALLY find!**

Pipe?

Stud?

Metal?

Electrical?

## What is Target Control™ (TC™) Technology?

**"Trust but Verify" with Target Control™**

- TC™ has multiple sensors that stream data and apply sophisticated intelligence to the result.

- TC™/L1 is tuned for wood studs. It helps differentiate wood studs from false positive targets, like plumbing, conduit, straps, screws, protector plates, or ducts.

- TC™/L1 helps differentiate wood studs from deep or low density targets, like plumbing, tubing, or wiring.

- TC™ can help find 'safe-to-drill' zones along the length of a wooden stud.

- Turning TC™ off will find ALL potential targets in scan range (wood, metal, high, and low signal strength, etc.).

## Don't Fall for the Competitor False Positives

**Competitor False Positives 101**

- Ordinary stud finders have no filtering, no intelligence, and no control over targets identified.

- This leads to false positive stud indications from metallic and/or other objects.

- Users can accidentally penetrate the wall into a false positive target — extremely dangerous!

- This also leads to rework — considerable damage and loss of time and productivity.

- Some competitor stud finders are continuously hypersensitive, further increasing the risk of detecting false positive targets.

- All competitor stud finder brands suffer from one or more of these deficiencies.