

Stanley IntelliSensor™ Stud Sensor (77-100)

The Stanley IntelliSensor™ Stud Sensor uses electronic signals to locate the exact position of studs or joists through drywall and other common wall materials. Once the edge of a stud has been detected, the Stanley IntelliSensor™ unit emits audio and visual signals (LED Display) that allow you to automatically pinpoint its center position. A pencil hole marker allows you to easily note the center position on the wall.

The Stanley IntelliSensor™ Stud Sensor offers automatic calibration and heavy-duty ABS construction. The ergonomically-designed shape increases user comfort and safety during use.

OPERATING INSTRUCTIONS

Battery:

- Open door on back of unit and connect a 9-volt battery to clip (see Illustration 1).
- Put battery back into case and slide back battery door.

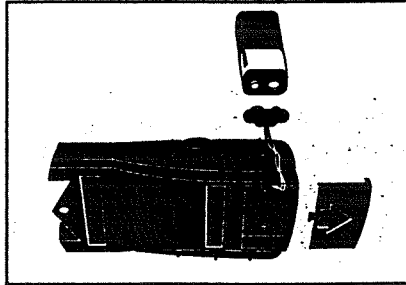


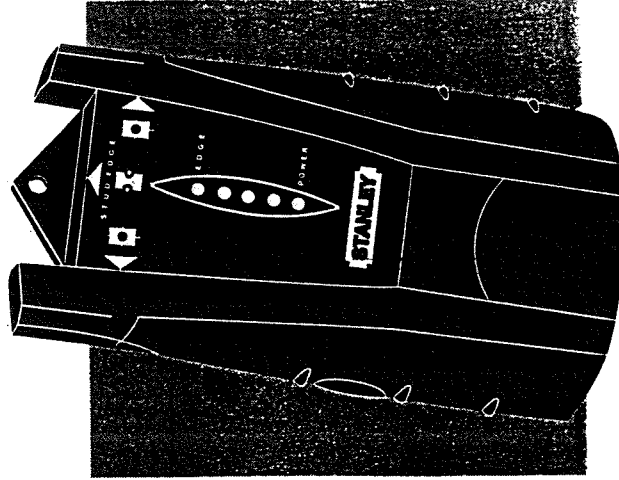
ILLUSTRATION 1

77-100

STANLEY®

IntelliSensor™ Stud Sensor

INSTRUCTION MANUAL

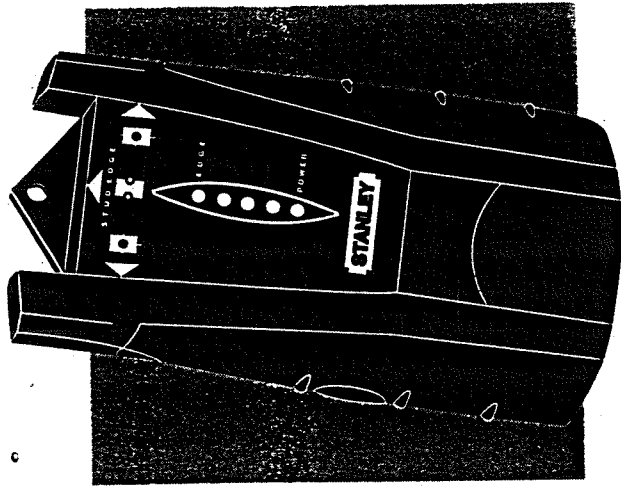


not in system



Détecteur de montants IntelliSensor™

MANUEL D'INSTRUCTIONS



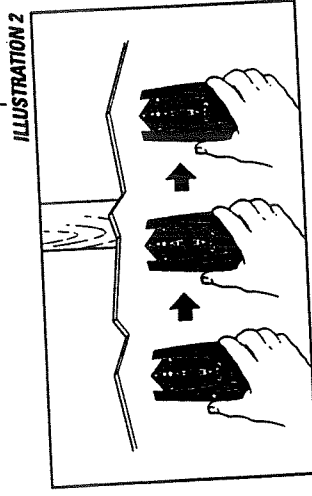
Calibration: Calibrate the unit before use.

1. Hold the IntelliSensor™ Stud Sensor flat against the surface, making firm contact.
2. Locate the activation switch on the left-hand side of the unit — press and hold in. The red LEDs will briefly flash and the green LED "ready" light will go on and remain on. Keep holding the activation switches during all of the following procedures.

Note: While calibrating, the IntelliSensor™ Stud Sensor must not be placed directly over a stud, dense material such as metal, or over a wet or newly painted area, or it will not properly calibrate. Move to a different location and try again.

Usage:

1. Slide the IntelliSensor™ unit slowly across the surface in a straight line (see Illustration 2). As it moves closer to the stud, red LEDs will go on. When it detects the stud edge, the top LED will go on and an audio tone will sound.
2. Use the handy pencil hole marker on the IntelliSensor™ unit to mark the stud edge.



3. Double check stud location by coming from the opposite direction. Make additional markings. The midpoint of the two marks indicates the stud center.

Cautions on Operating

The proximity of electrical wiring or pipes to the surface of the wall may cause the IntelliSensor™ unit to detect them as studs. You should always use caution when nailing, cutting or drilling in walls, ceilings and floors that may contain these items. Always remember that studs or joists are normally spaced 16 inches or 24 inches apart and are 1-1/2 inches in width. To avoid surprises be aware that anything closer together or of a different width may not be a stud, joist or fire break. When working near electrical wires, always turn off the power.

OPERATING TIPS

Use a Fresh Battery

Always test the battery before use. Place the IntelliSensor™ unit in one hand, away from all surfaces. Press and hold down the activation switch. The green light should go on. Now, move your free hand in an open-faced position toward the back of the unit. When your hand is 2 to 3 inches from the back of the unit, the LEDs will begin to light up. The lights should go off as you move your hand away from the unit. If you do not see the LEDs react as described above, replace the battery.

Prevent Interference

To ensure best performance from the IntelliSensor™ product, keep your free hand at least 6 inches away from the unit while testing or scanning surfaces.

Conventional Construction

Doors and windows are commonly constructed with additional studs and headers for added stability. The IntelliSensor™ Stud Sensor detects the edge of these double studs and solid headers and emits and holds an audio signal as it completely crosses them.

Surface Differences

Wallpaper — There will be no difference in the function of the IntelliSensor™ Stud Sensor on surfaces covered with wallpaper or fabric unless the coverings used contain metallic foil or fibers.

Plaster and Lath — Unless lath and plaster construction is excessively thick, there will be no problem with proper functioning of the IntelliSensor™ unit.

Ceilings — When dealing with a rough surface such as a sprayed ceiling, utilize a piece of cardboard when scanning the surface. Run through the calibration technique described earlier WITH the piece of cardboard too, to assure best performance of the unit. Also, it is particularly important in this application to remember to keep your free hand away from the unit.

Specifications

Utilizing the procedure of scanning and marking from two sides, the IntelliSensor™ unit will find the center of wood or metal studs through 3/4 inch surfaces within 1/8 inch accuracy.

Battery Life: Two years with normal use.
Shock Resistance: Resistant to shock from 5 feet dropped onto concrete.
Water Resistance: Water resistant, but not waterproof.
Operating Temperature: +20°F to +120° F (-7°C to +49°C)
Storage Temperature: -20°F to +150° F (-29°C to +66°C)

One Year Warranty

Stanley Tools warrants this IntelliSensor™ Stud Sensor against deficiencies in workmanship and materials for one year from the date of purchase. Deficient products will be replaced if sent to:

Stanley Distribution Center
Attn: Manager – Field Quality Service
1000 Stanley Drive
Concord, NC 28027

There are additional facts about this warranty that you should know:

Stanley Tools is not responsible for damage resulting from wear, abuse, or alteration of this product. Where permitted by law, Stanley is not responsible for incidental or consequential damages. There is no warranty beyond the provisions stated here. Agents of Stanley cannot change this warranty. This warranty may provide you with additional legal rights which vary by state, province or nation.

Détecteur de montants Stanley IntelliSensor™ (77-100)

Le détecteur de montants Stanley IntelliSensor™ repère, à l'aide de signaux électroniques, la position exacte des montants ou des solives à travers le placoplâtre et les murs faits des matériaux les plus couramment utilisés. Une fois le bord d'un montant repéré, le détecteur Stanley IntelliSensor™ émet des signaux sonores et visuels (affichage DEL) qui vous permettent de repérer automatiquement la position du centre du montant. Il est alors facile de noter la position de ce centre sur le mur en le marquant à l'aide du marqueur à trou.

Le détecteur de montants Stanley IntelliSensor™ s'étalonne automatiquement et est fait en ABS robuste. Sa forme ergonomique offre davantage de confort et de sécurité pendant l'utilisation.