

The TILT BOX^o

Pat. Pend.

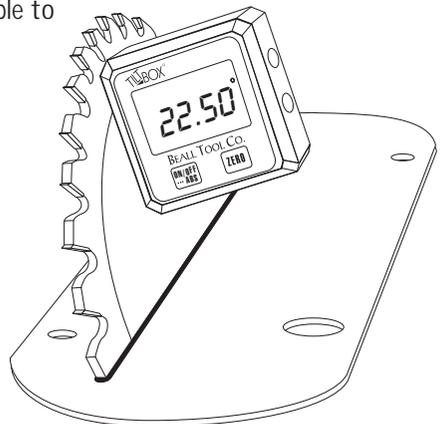
- ☞ can be set to zero at any angle so that it can read the relative angle between two surfaces.
- ☞ can also be set to read absolute zero, so that it can be used as a leveling device (see calibrations instructions on reverse side).

SAFETY

Always unplug and turn off power tools before attaching the Tilt Box. Be sure to wear safety glasses and make certain that all guards are in place on machines. (We do not show guards in order to make the illustrations clearer.) Don't forget to remove the Tilt Box before turning your machine back on.

OPERATION

1. To read absolute zero, (level), simply press the "ON" button and wait a few seconds for the unit to stabilize. Although the unit has been calibrated at the factory, it may be necessary to recalibrate if it does not read 00.00 on a level surface. Calibration instructions are on the reverse side of this sheet.
- ☞ If the first calibration does not achieve desired results, the unit may be recalibrated repeatedly until the proper readings are obtained.
2. To read relative zero, turn the unit on and then push the ZERO button, which will cause "REL" to appear in the upper left-hand corner of the readout. The unit will perform better if it is left on a few seconds before zeroing. It may also be necessary to push the ZERO button a few times until it settles down to zero. To return to level (or ABS ZERO) turn the unit off and then on again.
3. To read the angle difference between two surfaces, place the box upright on one surface, press the ZERO button, and make sure it is reading REL zero. Then move the box to the second surface. If the surfaces are ferrous, the magnets installed in the Tilt Box will hold it securely in place. It will read the angle directly to an accuracy of + / - .1 degree and a repeatability of .1.
4. It does not matter whether either of the surfaces is truly level: the Tilt Box will accurately register the angle between them. This makes it an ideal device for setting the angle of table saw, chop saw, and band saw blades, jointer fences and stationary sander tables.
5. When cutting small angles for polygons, be sure to allow for differences in machines and blades. Because of these discrepancies, the theoretically correct angle may not always be the actually correct one. Experience will point out the amount of deviation in your saw. If you make a note of this difference, you will easily be able to return to that setting the next time you cut the angle.
6. For accurate readings, you should always keep the Tilt Box upright – not leaning toward or away from you. The Tilt Box takes a standard 9 volt battery which can be easily replaced after removing the back with the included screwdriver.



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If necessary the Tilt Box may be re-calibrated by following these steps. Re-calibration may require several attempts to accomplish accurately. It is important to hold the Tilt Box steady while pressing the buttons to re-calibrate.



1) Place the box upright on a level surface and press the on button.



2) Press and hold both buttons for 7-8 seconds.



3) Press the ZERO button; the screen will display CAD1.



4) Turn the box 90 degrees clockwise. allow 3-4 seconds for the Tilt Box to settle then press the ZERO button-the screen will read CAD2.

The Tilt Box should be setting right side up.

The Tilt Box should be setting on it's right side.



5) Turn the box another 90 degrees clockwise, allow 3-4 seconds for the Tilt Box to settle then press the ZERO button-the screen will read CAD3.



6) Turn the box another 90 degrees clockwise, allow 3-4 seconds for the Tilt Box to settle then press the ZERO button-the screen will read CAD4.

The Tilt Box should be setting on it's top.

The Tilt Box should be setting on it's left side.



7) Turn the box another 90 degrees clockwise; press the ZERO button-the screen will read CAD5. After 1 second the display will read 0.00-this completes the calibration.



8) Your Beall Tilt Box is now ready to use.

The Tilt Box should be setting right side up.



Low Battery Warning

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