

# **K GLASS / LOW E DETECTOR INSTRUCTIONS**

## **Important Guidelines for usage**

1. If the window area under test is excessively dirty or contaminated, the detector will give improper results. The window area under test must be RELATIVELY CLEAN. Clean the test area or move the detector to a clean location on the window.
2. The detector must be used with the plain front surface opposite the window, i.e. the side with the battery compartment cover must be sat flat against the glass. Using the small end surface of the unit or tilting the unit away from the surface will give improper results.
3. Placing the hand or an object on the window opposite the detector may give improper results. Remove hand or object.
4. IMPORTANT: Do not operate the detector within two 2 inches of a window frame or any other metallic window component. Operating the unit in this way may give improper results.
5. The detector is the only thing that should be in contact with the glass while the reading is being taken. The operator may have their hand on the meter itself, but should not allow any part of their hand to overlap the meter and come into contact with the glass during testing.

## **Mode of Operation Single Glass Pane**

1. Place detector against glass as described in guidelines above.
2. Press the button next to the green LED
3. If the LED does not light and there is no audible tone then the glass is clear. Go to step 5.
4. If the LED lights and there is an audible sound then you are in direct contact with the coating.
5. Press the button that is alone on the opposite side to the LED, if the LED lights and there is an audible sound this indicates that the coating is on the opposite side of the glass, if the LED does not light or there is no audible sound then this indicates that the glass has no coating at all.

Please note never do step 5 first on a single glass pane as if a coating is present the LED will light and there will be an audible sound irrespective of which side of the glass is coated. It is essential that steps 1 to 4 are followed at all times.

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## **Mode of Operation Double Glazed Units**

1. Place detector against glass as described in guidelines above.
2. Press the button next to the green LED
3. The LED should not light and there should be no audible tone. This should be repeated on both sides of the double glazed unit, if both sides test OK then go to step 4, however if the LED does light and there is an audible tone then this would indicate that the coating is on the outside of the glass and the unit has been manufactured incorrectly.
4. Press the button that is alone on the opposite side to the LED, if the LED lights and there is an audible sound this indicates that the coating is on the back side of the pane of glass being measured, if the LED does not light or there is no audible sound then this indicates that the glass has no coating at all go to step 5.
5. Repeat step 4 but on the opposite side of the double glazed unit, if there is no audible tone on this side also then this indicates that neither side of the glass is coated and is in fact plain glass on both sides of the installation.
6. On a double glazed unit that is already installed the coating should be found on the back of the pane that is on the inside of the house, if the coating is found on the back of the outside pane then the installation has been fitted incorrectly.

Please note in point 6 there is an exception to this when patterned glass is used on the inside pane. In this case there is no alternative but to use the coating on the inside of the exterior pane.

## **Mode of Operation Edge Deletion**

1. Place detector on its edge so that the two brass conductors are touching the area under test.
2. Press either of the two buttons.
3. If the LED does not light and there is no audible tone then the glass is clear.
4. If the LED lights and there is an audible sound then you are in direct contact with the coating.

## **Disclaimer**

While these detectors are robust and reliable it is always advisable in case of dispute to perform the test with a second detector to verify the findings.

**NOTE: AT A MINIMUM, ANNUALLY REPLACE THE BATTERY WITH A 9-VOLT ALKALINE**