Connecting A Pressure Sensitive Fabric Switch

Our pressure sensitive fabrics work as a press switch. Our fabrics are made of three layers, two conductive ones and a non-conductive one in between. When pressed, the two outer layers touch, thus allowing current flow. The conductive layers have two protruding wires for making connections.

To use the fabric as a switch you need to connect one wire from each end of the fabric with one wire from the other end of the fabric, like in the picture:

We suggest that you connect the wires as in the picture, so the value of resistivity is more constant and independent from the area of the switch that is pressed.

Place the fabric on a table and decide which wires on each side you want to connect. You might also connect all the 4 wires, but remember that wires protruding from the same end are connected together. Connect the metal fiber from the switch to a small gauge copper wire. You can solder, use alligator clips, or other wire connector devices. Connect the metal fiber from the other end of the switch to another copper wire in the same way:

You can cut the other two un-used wires from both ends of the fabric to avoid unwanted contacts:

It is also recommended to sew the two wires to the parts of the fabric that are not conductive as shown in the following pictures. Securing in this way will help avoid breakage of the small wires to due to excess traction and rotation:

Washing instructions:
The Pressure Sensitive Fabric Switch can be hand washed, warm or cold water, mild soap. Rinse well. NO BLEACH. Hang dry.