



SensoPad

**Interactive
touch sensor**



The SensoPad is an interface used to send an output contact to any interactive device. It is a proximity sensor which does not require direct contact. Stuck onto an insulating material, the SensoPad detects presence of a finger, or any other trigger, through the material.

The SensoPad works through wood, glass, plaster.. any insulating material. The distance of detection varies with the size of the electrode and the type of material on which it is applied.

The SensoPad with its electrode face can detect a finger several centimeters away.

Installation:

1 - Thin support

To detect through a thin material (<10mm), just stick the SensoPad at the back of the selected contact area.

2 - Thick support

To increase the detection area, an additional larger electrode must be used. An aluminium sheet is supplied with the SensoPad for this purpose.

Cut the aluminium sheet to the desired size and shape and stick it at the back of the selected contact area.

Finally, stick the SensoPad onto the aluminium electrode.

Important note: *the adhesive present on the SensoPad is a conductive adhesive.*

If the SensoPad must be moved, it will be necessary to change the adhesive pad; otherwise, there will be no contact between SensoPad and electrode. The electrode will then act as a screen and prevent the SensoPad from working correctly.



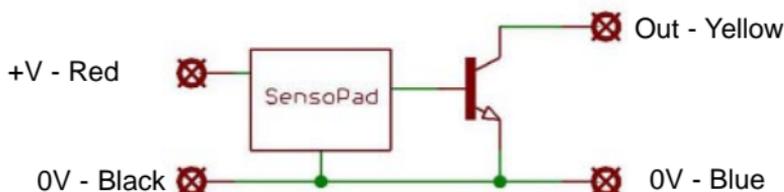
Connection:

Red wire: Positive supply (+V)

Black wire: Negative supply (0V)

Yellow wire: Commutation output (OUT)

Blue wire: Output negative supply (0V)



Characteristics :

Power supply: 7V to 15V DC - 10mA (12V nominal)

Output: Open-drain transistor output

Commutation power: 50V / 100mA max



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