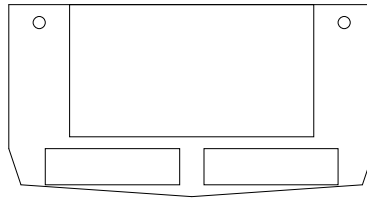


## touchpad documentation

This is a touchpad unit, probably intended for use in a laptop. The active (touch) area is 64 x 48 mm, the total unit is 73 x 118 x 6 mm. It includes two keys that act as mouse buttons. The unit uses the standard PS/2 protocol.



The back side of the unit has a PCB with a small 4-pin connector. The hookup of this connector is shown below. The connector is intended to mate with a flex cable, but pieces of solid hookup wire can easily be pressed into the connector, as shown on the picture.

- |   |           |
|---|-----------|
| 1 | +5 Volt   |
| 2 | PS/2 Data |
| 3 | PS/2 Clk  |
| 4 | Ground    |

A student project that seems to use this touchpad can be found at <http://instruct1.cit.cornell.edu/courses/ee476/FinalProjects/s2000/fiore/touchpad.html> , but the datasheet that it refers to ( <http://www.synaptics.com/decaf/utilities/tp-intf2-4.PDF> ) seems to have the Data and Clk connections reversed.

When the touchpad is to be connected to a (PS/2) port of a PC it must be wired as shown below. The wire colors are as I found them in a mouse cable.

