



The Flat Non-Tactile Membrane Switch

The flat membrane switch is a custom, non-tactile array of normally open single pole single throw (SPST) switches. The design consists of a top and bottom circuit, an insulating spacer, and an optional graphic overlay (see illustration). Pressure applied to the top layer deflects the top circuit through the spacer, making mechanical and electrical contact. This product can be custom designed to fit a wide variety of applications wherever low current momentary switches are required.

Advantages

- High Reliability
- Long Life
- Design Flexibility

Applications

- Medical Equipment
- Industrial Process Controllers
- Computer Peripherals
- Military Applications

Options

- Surface Mount LEDs
- PCB Assemblies
- ESD/RFI Shielding

Specifications *

- Actuation Force 4 – 16 oz.
- Switch Travel (nom) .005 - .010
- Contact Bounce < 10 ms
- Life Cycles 10⁷

*Specifications shown above are typical. Custom configurations are available.