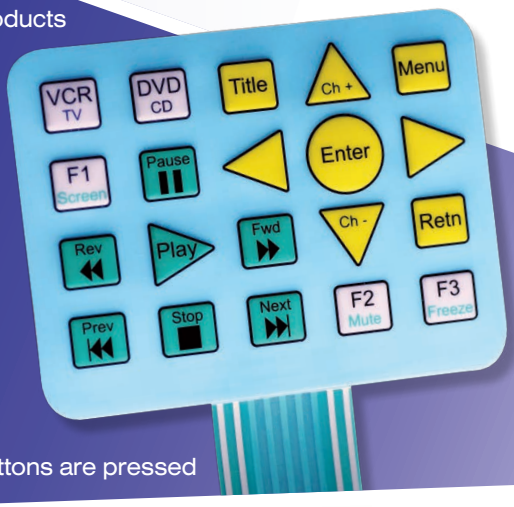
Membrane Keypads

Membrane keypads offer product designers and engineers a customised and flexible user interface for electronically controlled products which are compact, reliable, cost effective and assembly friendly. Entech have a solution to suit your next product design. We are specialists in Membrane Keypads.

Features & Benefits:

- Membrane switch or PCB backed styles
- Tactile inserts ≥ 1 million actuations
- Flat Key ≥ 5 million actuations
- Embossed or flat finishes
- Glossy or matte, smooth or textured surfaces
- Embedded LEDs and multilayered switch assemblies
- FPC, polyester or polycarbonate materials
- Electromagnetic shielding options
- Wide range of materials for weather and solvent resistance
- Dome embossed buttons with no inserts - for a tactile feel when buttons are pressed



Tactile Domes

DuraSwitch® Keypads

This technology combines the best features of both an electro-mechanical and a flat panel membrane switch into a durable and robust thin keypad assembly that is designed to thrive in harsh, abusive, and rugged environments.

Duraswitch® utilises a unique technology. This is a fully-featured user-interface designed to thrive in the toughest environments.

PushGate® is a patented push-button design that incorporates crisp tactile feedback similar to an electro-mechanical switch. By using magnets and an armature, parts that typically wear out are eliminated. The thin profile of PushGate® switches works without the scraping, flexing, or grinding that typical membrane switch components endure.

Features & Benefits:

- ≥ 10 million actuations
- Extreme temperature and atmospheric pressure operation
- Active key sizes 5cm x 5cm (2" x 2")
- Closed or open functions availability
- Dual output available for multi-switching

Silicone Keypads

Experience our complete range of silicon keypads to suit a variety of end-user applications. Technologies available include laser etched, multi-coloured, wear-resist coated and plastic feel keypads and keycaps. Our keypads can also incorporate a wide range of requirements in tactile feel, switch travel, endurance characteristics, aesthetic appeal, plastic keycaps and contouring.

Since their introduction conductive silicone switches and keypads have gained enormous popularity and wide-range acceptance because of their reliability, long operational life and excellent tactile feel.

Features & Benefits:

Silicone is an excellent choice for device operation controls.
It possesses the following characteristics:

- Excellent resistance to both heat and low temperature (-55°C to 250°C)
- Minimum noise generation due to soft and elastic contact structure
- Multi-colour designs easily accommodated
- Design both tactile and linear feedback
- Translucent materials available
- Water and contamination resistant
- Cost effective
- Minimum abrasion and high resistance to SO2 and oxidation even in heavy humidity

Entech offer a full design and supply service incorporating artwork and drawings. We can also assist with material selection

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