MEMBRANE KEYBOARD & OVERLAYS: RELIABLE & EFFECTIVE

Polyester (PET) and Polycarbonate (PC) membrane keyboards have been a mainstay in electronics manufacturing for many years. Simple to design and a comparatively low tooling investment, membranes can deliver reliable and effective solutions for electronic user interfaces.

- Comparatively low tooling investment
- Lightweight and low in profile for compact designs
- Highly durable for applications with frequent use
- Dust and moisture resistant

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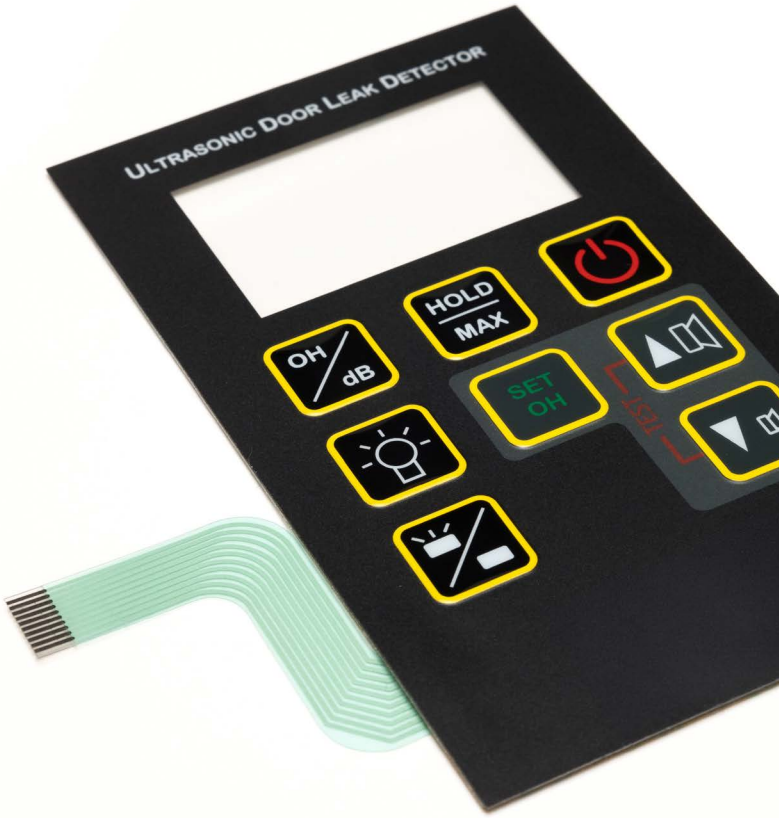
MEMBRANE KEYBOARDS

For specific applications, membranes have a number of advantages including:

- **Low profile solution for smaller devices**
- **Integrated flexible circuit (FPC) with a range of connector options**
- **High IP rating making them a simple solution for applications subject to dust/fluid ingress**
- **Reverse screen printing delivers protection from chemical contact and high levels of user contact**
- **Flat/low profile design makes cleaning easy and effective**
- **Tactile response so the user knows the switch has been activated**
- **Embossed keys to enhance user experience – this can include embossed symbols, braille, dome, pillow and frame embossing.**

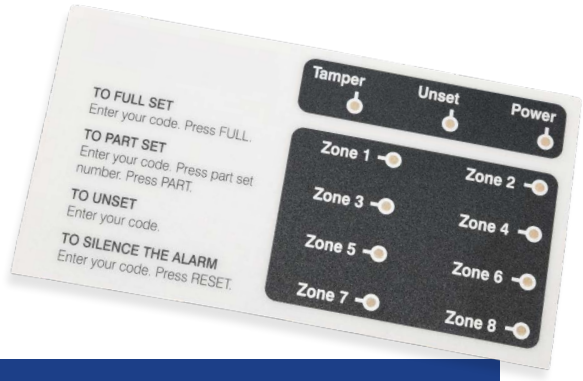


Textured surfaces can be applied to display windows to provide anti-glare properties, whilst tinting can also be applied to icons that are illuminated once back lit.

Shielding layers such as RFI, ESD and EMC can also be incorporated into designs.

MEMBRANE OVERLAYS

Polyester (PET) membrane overlays provide a durable, high-quality labelling solution for plastic and metal surfaces. Their rigid construction and adhesive backing ensure easy, consistent application. Offering greater resistance to scratches, cracks and tears in comparison with polycarbonate (PC) or vinyl, PET overlays are ideal for outdoor use, achieving increased resistance to moisture, UV exposure, corrosion and temperature fluctuations.



ABOUT GELEC

Founded in 1975, Gelec has earned its reputation as a respected global supplier of high quality and competitively-priced electro-mechanical components.

Gelec has a highly reliable and professional team delivering a wide variety of products to even the most exacting requirements.

Gelec has offices and warehousing in the UK, China and Hong Kong dedicated to the support of customers throughout Europe, Asia and the Americas.

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