



SECURE-TECH.com

DETENTION ELECTRONIC SYSTEMS

ETECH CONTROLS CORPORATION - MANUFACTURER
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**MODEL
OVERLAY**

GRAPHIC PANEL OVERLAY

FEATURES:

- HARDCOATED POLYESTER OVERLAY
- HIGH RESOLUTION GRAPHICS
- UP TO 16.7 MILLION COLORS
- EXTREMELY DURABLE MATERIAL
- TEXTURED NON-GLARE FINISH
- NON-TEXTURED WINDOWS AVAILABLE
- CLEAR WINDOWS AVAILABLE
- AGGRESSIVE OR LOW TACK TYPE ADHESIVE
- 2 YEAR WARRANTY



FUNCTIONAL DESCRIPTION:

The Graphic Panel Overlay provides a working surface for your control panels that protects both the high resolution graphics that are contained inside the multi-layer laminate and the underlying control panel baseplate material. The surface is resistant to many chemicals and oils, and may be washed with mild household cleaners.

LAMINATED CONSTRUCTION:

The outside working surface is a 6 mil thick hardcoated polyester sheet material with a velvet non-glare texture on the front side. High resolution graphics are ink printed on the backside of this material. An aggressive 5 mil thick adhesive layer attaches the working surface material to a 4 mil thick substrate layer of polyester. The substrate material provides a translucent white color to the overlay. The white backing color also brightens the ink colors, making them quite vivid.

This three part laminated assembly can be provided with a final backside laminate of aggressive adhesive, with a protective paper release layer, to allow you to permanently attach the overlay product to a baseplate or other surface.

An alternative low tack type adhesive layer can be provided that will allow you to repeatedly attach and remove the overlay material for access to underlying components or to replace the overlay with a new one that presents different high resolution graphics.

HIGH RESOLUTION GRAPHICS:

Secure-Tech has selected special UV resistant graphic inks and developed a process of application to provide our customers with ability to present photo-realistic graphics, in up to 16.7 million colors, and with very high resolution. It doesn't get any better than that!

POLYESTER PROPERTIES:

Hardcoated polyester has an exceptional life expectancy; resistance to scratches; resistance to solvents, chemicals and household cleaning agents; and is used almost exclusively in overlays for membrane switch panels because of its' superior flexibility characteristics. The polyester material we utilize has been tested to greater than 5 million underlying switch actuations with no adverse effect.

OPTIONS:

1. Polycarbonate, or other compatible thermoplastic materials, can be provided for your special applications. Alternate thermoplastic materials are available to obtain increased non-glare textures, resistance to ultraviolet light, etc. The use of alternate materials may also reduce our ability to provide you with photo-realistic graphics and vivid colors. Please consult with our material specialists to obtain the best combination of materials for your special application requirements.
2. Clear LED or LCD display windows and / or areas without the non-glare texturing are available, only with the polyester material laminated product.

ST The Sign of Excellence