

Membrane switch keyboards

Background lighting



General information

Metalwo has developed a unique construction technique that enables even background lighting in membrane switch keyboards with metal domes. With this solution, it is now possible to illuminate the whole key area, and thus the symbol text in the key centre.

Besides a traditional membrane switch keyboard with backlight, Metalwo offers an integrated back plate as a system solution. This back plate can be mounted directly with a PCB, touch screen or a specially produced window with or without shielding. There are many options!

This construction is obtained with the use of materials with LEDs as a light source. The LEDs are mounted in fixed positions under a milled acrylic frame, and silicone parts on the key area ensure a perfect light diffusion.

The colour of the background lighting can be produced according to customer specifications. The colour appears by using transparent silk screen printing on the overlayer over the LEDs.

The construction is fixed, but can be customised as regards thickness (min. 2 mm), key dimension, function, colours etc.

A membrane switch keyboard with background lighting according to Metalwo's construction technique provides many options.

Advantages

- First quality and stability
- Optimal lighting of all keys and windows
- Even and consistent background lighting
- Several colour options and light intensity according to customer requests and needs
- Actuation force of the keys is customised by the choice of metal dome
- Many options for the solution and construction



METALWO

All technical data given are depending on design, construction and may vary according to customer specifications. The technical data are to be considered as guiding only and cannot be considered as legally guaranteed.

Birkemosevej 6 · DK-8361 Hasselager · Tel.: +45 86 281366 · Fax.: +45 86 284570 · E-mail: metalwo@metalwo.dk · www.metalwo.com