

Texzec Active Metal Touch Switches



Texzec Active Metal Touch Switched can turn any durable metal plate into a single switch, keypad or keyboard. They can operate in the most rugged environments. They can provide a smooth seamless touch surface that's as attractive as it is durable. Active Metal Touch Switches operate with water on the touch surface or even underwater. Since the metal plate has no openings like what a conventional switch require, meeting strict environment conditions has been simplified. Active Metal Touch Switches can be fabricated from most common metal substrates; aluminum, stainless steel, titanium, magnesium and brass. Where decorative aesthetic are concerned Active Metal Touch Switches can be fabricated from glass, most ceramics and some stone materials. Active Metal Touch Switches are made possible by the patented process of creating isolated touch sensitive areas on the plate. The touch sensitive areas are created by mechanically contouring the plate or by an additive process, then an ultrasonic transducer is attached to the rear of the plate. The transducer is connected to a low cost simple micro controller circuit that detects the touch and sends the appropriate signal to the host system.



- > Solid metal construction for durability
- > Long life no wear mechanism
- > Impact and vibration resistant
- > Not affected by sand and dust
- > Operating temperature range -40°C to 85°C
- > Nema 4X/IP68
- > Military and Civil aviation qualified and in use.

- > Self diagnostic capabilities
- > Self calibrating
- > Operates with liquids on touch surface
- > Operates underwater
- > Low cost micro controller control circuit
- > Metal substrate thickness from .035" to .375"
- > From Single touch sensor to over 100 touch sensors on a single plate



TEXZEC, INC.

1400 Chisholm Trail Round Rock, TX 78681
Suite F 512-351-9055

sales@texzec.com