

THINK FOR BUTTONS?

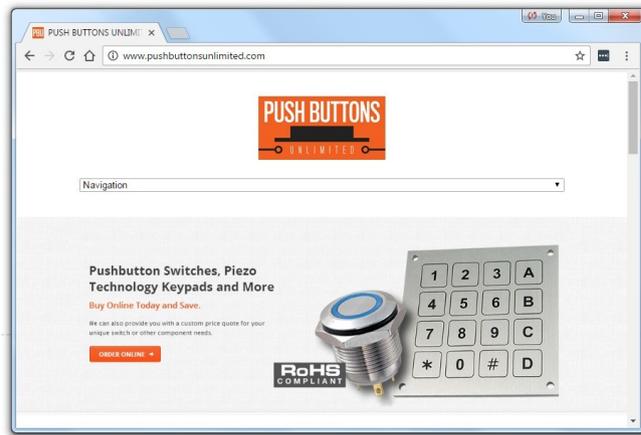
think hi-tech style full metal touch panel !

Think for ideal requirements :

- + Nice look, touch buttons
- + Robust thick metal made buttons
- + Illuminated buttons
- + Comfortable zero force buttons
- + Waterproof buttons
- + Any size buttons
- + Easy made, low cost buttons
- + Reliable, without false triggering buttons
- + Any surface shape suitable buttons

Existing method 1:

piezo buttons



<http://www.pushbuttonsunlimited.com/>

- thin metal overlay
- no easy to illuminate
- no zero force
- no any size
- no easy to made
- allowed false triggers
- only flat surface

Existing method 2: inductive/capacitive ,metal overlay

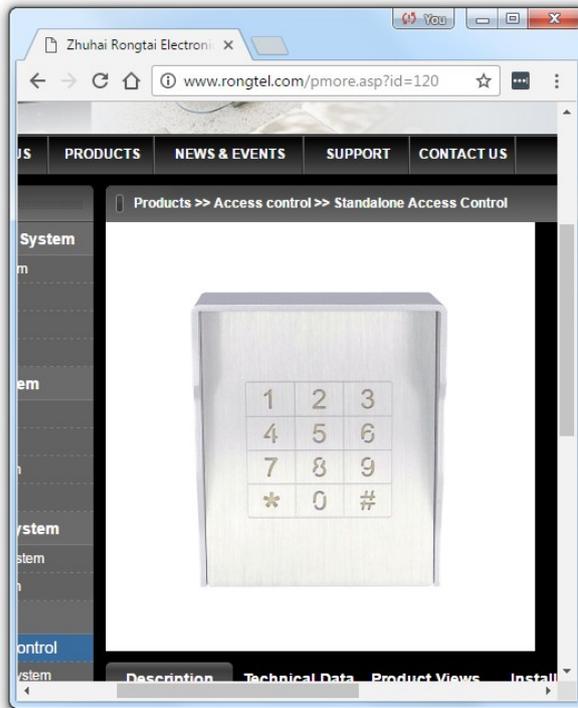


www.microchip.com

- thin metal overlay
- no easy to illuminate
- no zero force
- no any size
- no easy to made
- allowed false triggers
- only flat surface

Existing method 3:

perspex insert icons piezo buttons

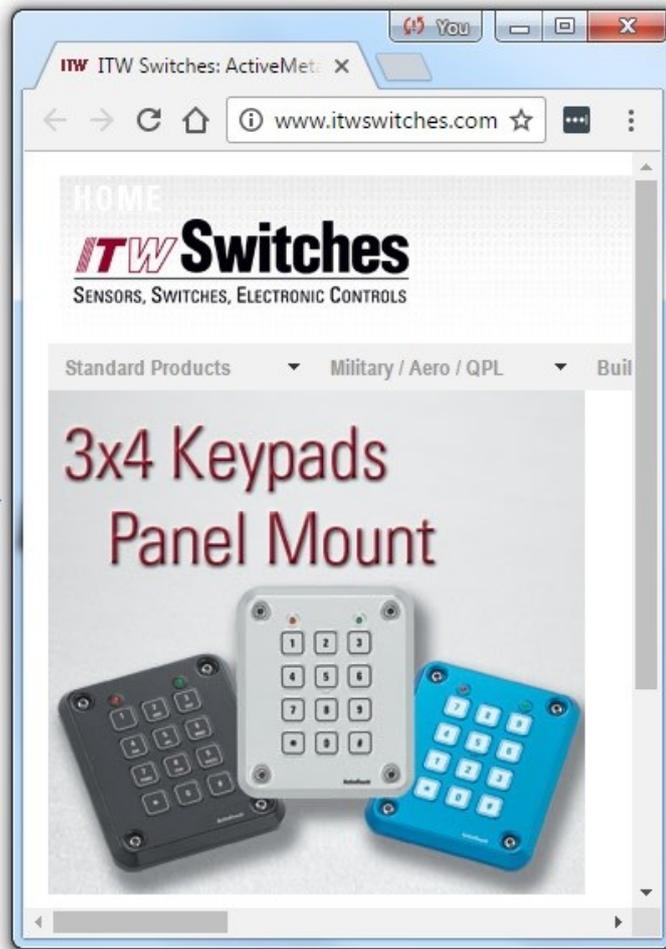


- no easy to illuminate
- no zero force
- no any size
- no waterproof buttons
- no easy to made
- allowed false triggers
- only flat surface

<http://www.rongtel.com/>

Existing method 4:

Trapped Acoustic Resonance



- +zero force push
- no easy to illuminate
- no any size
- no easy to made
- only flat surface

<http://www.itwswitches.com>

Existing method 5:

Metal Dome Membrane Push Buttons



- +easy to made, low cost
- thin flex metal overlay
- no easy to illuminate
- no zero force
- no any size
- only flat surface

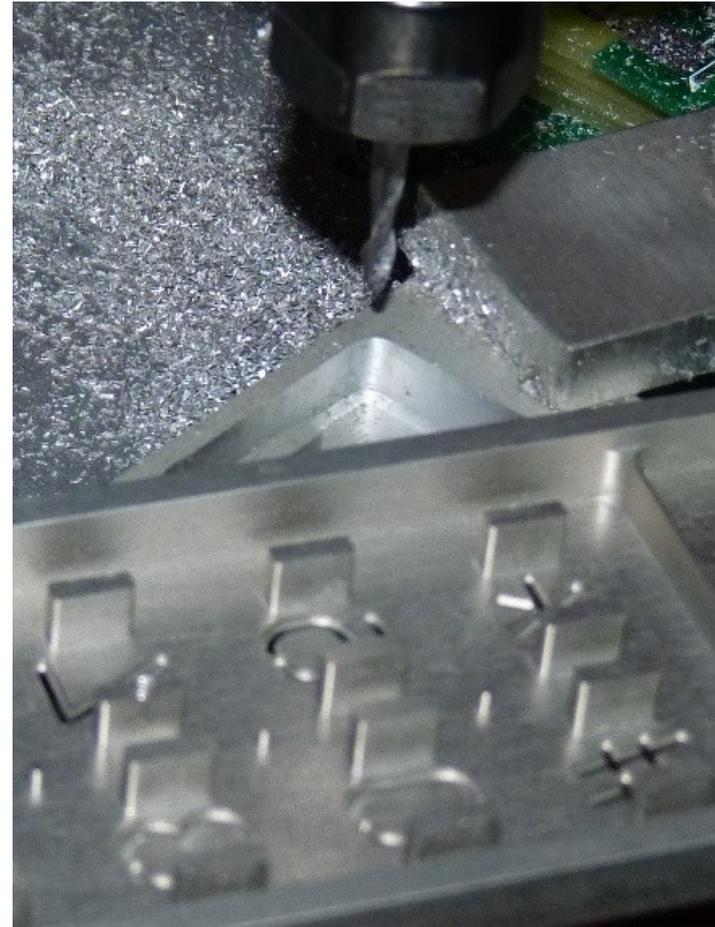
<http://www.flexiblemembraneswitch.com>

We offer another way :

Extracted metal capacitive touch buttons



1. Milling metal body and legends.
Curved surface allowed!



2. Milling off support columns
for each button in opposite side



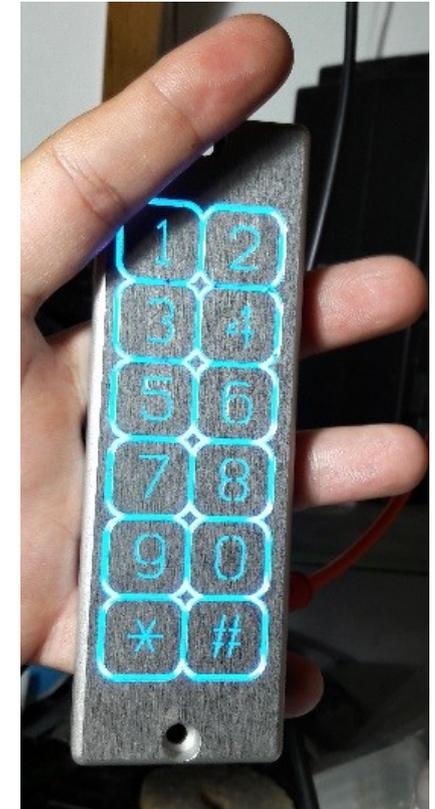
3. Potting with transparent curable resin



4. Engraving of the buttons



5. Attach the PCB with capacitance sensor pads and LED's



6. Profit!

Why Do It the Hard Way?

What we get?

- +Easy to made, robust, waterproof, nice look, zero force!*
- +No additional components needed!*
- +No button size or thickness or surface shape restrictions!*
- +Thick overlay allowed, solid supports allows strong external push!*
- +Easy to illuminate, different colors may set for nearby buttons!*
- +No moving or deflected parts!*
- +Hi signal-noise ratio ensure false triggering protection!*
- +Soft metals and extremely strong metals may be used similarly!*

**We believe that method will make revolution on the market of the user interface .
We have a patent in Israel and the PCT international application, we are looking
for partners or investors for local patents in other countries**

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