

Illinois Tool Works (ITW) is a leader in providing engineered components, innovative solutions, and value-added products. ITW Switches offers both Electro Mechanical and Solid-State switching and sensing solutions for rugged Military Applications with a long and successful history.

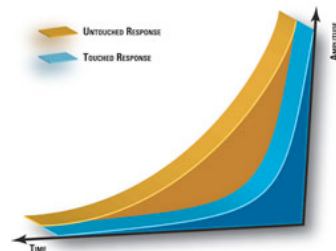


ELECTROMECHANICAL PRODUCTS – Starting under the Licon brand, our specialty is in high-load snap action switches using the Butterfly double-break design for reliable and long lifecycle results. ITW has a full list of [QPL products](#) that have withstood the test of time. Engineers continually come to ITW to solve their most challenging needs.



ACTIVETOUCH TECHNOLOGY -- A New Approach to Sensing

In 2006, ITW added the ActiveTouch business unit which produces solid-state touch-thru metal user interfaces and liquid sensors. This technology is based on trapped acoustic resonance technology ([watch the video](#)) and subsequent signal processing. Some of the key features / benefits of the product include:

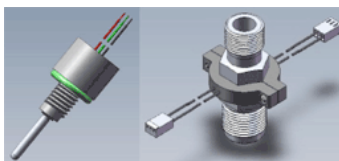


No Moving Parts	Microprocessor based	Actuation	Construction
<ul style="list-style-type: none"> Unmatched Durability Seamless Aesthetics Contamination Resistance 	<ul style="list-style-type: none"> Real-time Data Programmable Intelligence Diagnostic Capability 	<ul style="list-style-type: none"> Intentional Touch Device With or Without Gloves Unaffected by Liquids Reduces False Actuation 	<ul style="list-style-type: none"> Most Metals: <ul style="list-style-type: none"> - Stainless Steel, - Aluminum 0.030" up to 1/2" Thick Works with Variety of Finishes



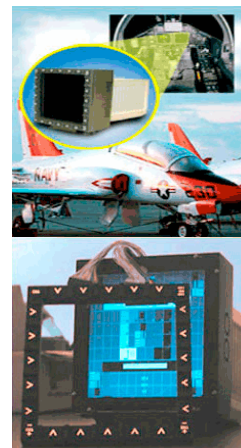
PRODUCT OFFERINGS

- Snap Action Switches, Pushbutton Switches, Custom Assemblies. Features Include: Panel sealed to IP67, current ratings up to 10 amps, ruggedized actuators and packaging designed for military use.
- ActiveMetal Switches Features Include: ActiveTouch touch through metal technology that has no moving parts, vibration resistance (add spec here), sealed to IP68, can be operated wet and with gloved or protected hand, diagnostics and real time feedback.
- Custom user interfaces ITW design engineers can develop products to meet your specific application needs. This includes electrical, mechanical, and aesthetic needs.
- Contact and Non-contact In-line Liquid sensors features Include: contamination/residue/scale resistance, no moving parts, diagnostics and real time feedback.



WHY CHOOSE ITW SWITCHES FOR YOUR MIL / AERO APPLICATIONS...

- Engineering Excellence** — ITW Switches manufactures reliable and long lifecycle products. New Product Development includes custom electromechanical assemblies, solid-state sensors for NextGen requirements, or any design / quality / application challenge that you may have. Designs can be modeled using 3D CAD, built using in-house fabrication and rapid prototyping, and testing using our UL-Approved test lab.
- Manufacturing Capabilities** — Mil / Aero products are produced in Buffalo Grove, IL – the same facility as the engineers that designed the product. Delivery is supported either direct or through our distribution channels with the capability to support Kanban, Just in Time (JIT), and other delivery options.
- Quality Control** — Buffalo Grove facility has MIL-PRF-8805, ISO 9001:2008 and AS9100B quality ratings. Our Military QPL products are 100% inspected and we stand behind our product with an industry leading 36 month warranty. Six Sigma certified management maintains high quality with tools such as Failure Modes and Effects Analysis (FMEA), lot control, and traceability.
- Custom Design** — Products are designed to the customer specifications based on particular needs. Specifications can include hermetic seal, high/long life cycle, high actuation force, vibration resistance, capability to withstand high G-forces, IP rating seal, chemical resistance, various connector and harness types, and many more. We are recognized in the industry as both a designer and supplier of high-quality and reliable parts.
- Service** — Our Sales Staff has personnel dedicated strictly to the Mil / Aero Market for specific focus and knowledge in the market. Customer Service provides key customer contact for accurate planning and order entry, fast turnaround on supplier surveys, Defense Federal Acquisition Regulation Supplement (DFARS), and certifications needed, and is there to help you with any questions or needs that you might have.



ADDITIONAL ITW RESOURCES

[ITW Switches Website](#)

[ITW Switches Product Catalogs](#)

[ActiveMetal Website](#)

[ActiveMetal Keypad Catalog](#)

[ActiveMetal Switch Catalog](#)

[ITW ActiveTouch Website](#)

[ITW ActiveTouch Technology Brochure](#)

[ITW ActiveTouch Technology Video](#)