stacosystems™

Customized Human-Machine Interface Products for

GROUND VEHICLES

SWITCHES | DATA ENTRY SYSTEMS | ILLUMINATED PANELS | SUBSYSTEMS

specialized. rugged. durable.

Staco Systems ruggedized products are engineered for hazardous and harsh environments. Like yours.

S200 with watertight seal

LED PUSHBUTTON SWITCHES & INDICATORS

Staco Systems Switches and Indicators are built to meet the most rugged specifications and provide a wide selection of circuitry control capabilities and display screen combinations. Staco Systems has tested all products in a state-of-the-art QPL lighting and test facility since 1987. Products are certified to MIL-PRF-22885 and MIL-STD-3009. Light laboratory capabilities include brightness, color, contrast, reflectance, sunlight readability and night vision measurements. Staco Systems also offers a range of Rotary Switches, visit our website for more information: www.stacosystems.com/rotary-switches

Parameters	Series 90	Series 100	Series 200	Series 300
Number of poles	1-2	1-4	1-4	1-2
Compact size			✔	✔
Individual mount or matrix mount	✔	✔	✔	✔
Termination	Crimp-pin, solder, or PCB	Crimp-pin, solder, or PCB	Crimp-pin, solder, or PCB	Solder or PCB
Alternate or momentary switch action	✔	✔	✔	✔
Indicator	✔	✔	✔	✔
NBC washdown capabilities	✔ + HIGH SHOCK	✔ + HIGH SHOCK	✔ + HIGH SHOCK	
NVIS compatible	✔	✔	✔	✔
Sunlight readable	✔	✔	✔	✔
LED illumination	✔	✔	✔	✔
Incandescent illumination	✔	✔		
Non reflective display	✔	✔	✔	✔
Drip proof, splash proof, watertight seal options	✔	✔	✔ + Extreme Watertight	
Common or split ground circuit configurations	✔	✔	✔	✔
MIL-PRF-22885 & MIL-STD-3009 qualified	✔	✔	✔	Built to meet requirements

Lightweight, yet rugged Matrix Housings available in various mounting configurations, termination and watertight options.

The Challenges

From design to manufacture and upgrade, these manned and unmanned ground system vehicles required rugged and durable components with intelligent capabilities.

Staco Systems products offer military-grade reliability in various size packages, and are fully operational in virtually any mobile, wet and hostile environment such as sand and dust.

Staco Systems is also able to adapt these HMI components to fit any commercial automated guided vehicles.

DATA ENTRY SYSTEMS

Staco Systems can provide COTS or customized keyboards & keypads that are designed to meet stringent certification requirements for environmental, electrical, electromagnetic interference, and flammability. Many units are waterproof, environmentally sealed and chemical resistant.

Among the many keyboard options available are colored backlighting, custom shape enclosures, custom keycap/print legends, branding, signal interface (I/O), and accessories/stand-alone pointing devices.

Staco Systems has the capability to manufacture LED backlit keyboards that are compatible with night vision goggles. NVIS Green A/B compliant data entry systems are perfect for operations that require visual enhancement at night.

Standard 4x4 Number Keypad

KP-001 Custom Keypad

M879 keyboard is watertight sealed, dust proof, meets a NEMA 4 water resistance rating and is built with elastomer for optimal sealing. It has an integrated touchpad, dimmable RED LED backlighting, and is glove-compatible.

Customized enclosure available to endure harsh environment such as sand and dust.
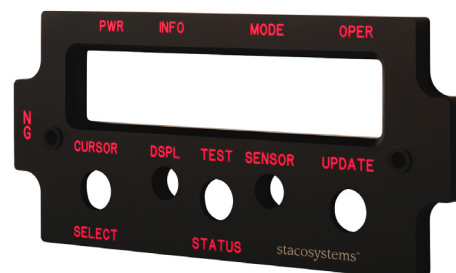
SUBSYSTEMS

Staco Systems offers design to requirements or built-to-print capabilities for ground system applications.

As with all Staco Systems products, our subsystems comply with military, industry and customer standards and practices. Staco Systems offers full project management and estimation including conceptual design, development, qualification, certification, manufacturing, and lifecycle support.

Custom annunciation capability

ILLUMINATED PANELS

Staco Systems Ruggedized Wear-Resistant Illuminated Panels are the toughest, most advanced on the market. They're able to perform in any environmental condition. The patented, durable, polymer material surface and legends will never wear out, eliminating repairs and reducing life-cycle costs. Proprietary optical characteristics allow for state-of-the-art design capabilities in a panel display.

Staco also offers traditional painted panels, bezels and high reliability switch panels. Contact us for more information: sales@stacosystems.com

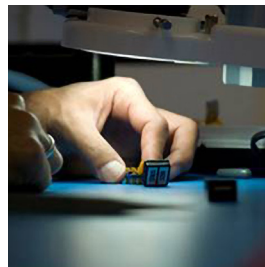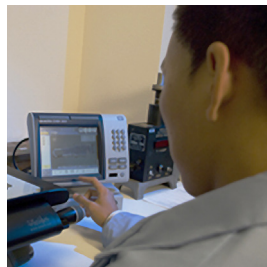Hidden annunciation capability

stacosystems™

Every Staco Systems solution integrates our core expertise in optics, electrical and mechanical design, mechanical packaging, and human factors.

Staco Systems is headquartered in Irvine, California, with international sales support in Europe and Asia.

Our Mission Statement:

At Staco Systems, our mission is to provide our customers with irreplaceable value in Human-Machine Interface solutions through team member engagement, continuous improvement and industry best practices.

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