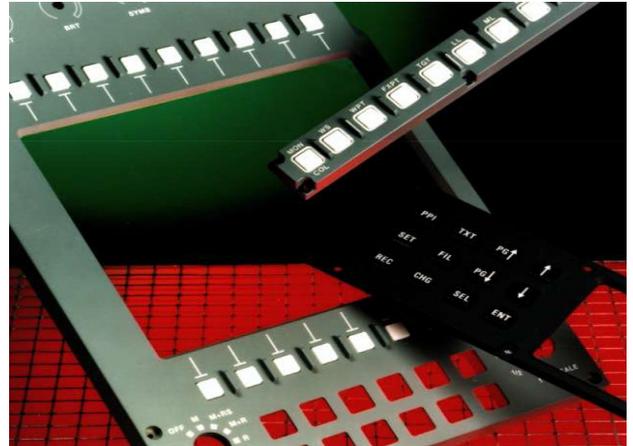


## Integrated Keyboard Switch Panels & Bezels

**TECHNOLOGY  
YOU  
CAN  
TRUST**

Resulting from the expertise developed in the fields of lighting and switching technology during our long association with the Aerospace, defence and commercial industries, Paramount Panels (UK) is able to supply a comprehensive range of panel systems with integrated switches. These are custom designed and manufactured in close association with the customer to produce the optimum solution to your requirement, however due to our extensive experience we can also offer standard design solutions which are aimed to reduce costs.

PPIUK integrated key switch panels employ “state of the art” Panel and Switch techniques and provide total packages which satisfy the stringent environmental and operating requirements of major Military and Aerospace specifications, including relevant portions of MIL-DTL-7788G (Formally SAE AS7788 & MIL-P-7788).



PPIUK Integrated Switch Panels are front sealed against the ingress of dust and moisture and incorporate high reliability switch components providing positive tactile and audible feed-back. Control and Switch functions may be identified by means of illuminated caps with panel text, and a variety of optional lighting sources being available for this purpose, these being Light emitting diodes (LED), incandescent and electroluminescent (EL). Where appropriate LED and incandescent panels are designed and configured to accommodate lighting redundancy.

All of these lighting options are available in NVG compatible form, meeting the requirements of MIL-STD-3009 & MIL STD 85762A.

### Optional features include:

- Assemblies using discrete switching sub-assemblies.
- EMC screening and integrated front windows
- Integrated optical diodes for auto dimming
- Integral Annunciators, including sunlight readable and secret until lit options, meeting MIL-PRF-22885.
- Total package design and manufacture capability, including integration of associated components and wiring
- Standard key cap designs available
- Switch guards, to avoid accidental operation of keys
- Slim designs, substrate materials, Aluminium, polycarbonate and Aerospace grade Acrylics.
- All applicable Switch forces and key travel available



Our extensive R&D and model Shop facilities, operating in close association with our Design Department, ensure the speedy and economical manufacture of prototypes, while a combination of CAD/CAM, CNC machining along with computerised light balance and laser etching guarantees the highest quality competitively priced manufacture of production units.

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