

On Pan American's "LITTLE SISTER TO THE CLIPPER"



Micro Switches Act Dependably as Landing Gear Limit Switches

Illustrated here is one of the Pan American Airways' huge 42½ ton Transocean Clippers. In the inserts are shown the landing gear and the Micro Switches which are used as limit switches on Pan American's Grumman Widgeon trainers. This plane is often referred to as the "Little Sister to the Clipper."

These trainers are used for training the intrepid pilots who fly the giant Clippers over the seven seas. Because of the nature of the work performed, it is obvious that every precaution must be taken, every contingency provided for. That is why Pan American depends on the rugged dependability of Micro Switch.

Thumb-size and feather-light, Micro Switch is amazingly rugged, resists vibration, and requires no leveling. It operates precisely at the same point for millions of operations with lightning-fast contact action. It is accurately built to exact standards from precisely made parts. Its performance characteristics can be changed to meet functional requirements.

Micro Switches are used to perform many different

functions in aircraft. Special brackets, actuators, and aluminum housings are available for this purpose. For heavy duty service such as machine tools, there are Micro Switches enclosed in steel which can be sealed against dirt, dust, water, oil, metal chips and other foreign particles.

All Micro Switches can be supplied with a variety of actuators to meet all needs. Micro Switches operate on pressures as low as one ounce and movements as low as .0002". Micro Switch is listed by Underwriters' Laboratories with ratings of 1200 V.A. loads, from 125 to 600 volts A.C.

Every engineer should have a copy of Micro Switch Handbook Catalogs which tell and illustrate the principles and applications. Handbook Catalog Number 60 deals with Micro Switch in general, and Number 70 is written specifically for aircraft applications.

Micro Switch Corporation, Freeport, Illinois

Branches: 43 E. Ohio St., Chicago • 11 Park Place, New York City
Sales and Engineering Offices: Boston • Hartford • Los Angeles

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