



ELECTRONIC SYSTEMS

# ADDITIONAL INFORMATION

## The JOSLYN Story

During the early and middle 1950's, the Protective Equipment Department of Joslyn Mfg. and Supply Co., Chicago, Illinois, manufactured a product which at that time was little more than a laboratory curiosity. This product is the airborne hf antenna lightning arrester. Joslyn protection engineers, working with Lightning and Transient Research Institute of Minneapolis and also the electronic engineers of several airlines, created this prototype product to protect various airplane antennae and associated communications equipment which are very vulnerable to lightning strikes.

During the period 1953-1957, the annual sales of this product were extremely modest. By 1958, however, industry developments in avionics and related antenna technology created sufficient growth potential in the product area to warrant an investment of human and financial resources. On April 11, 1958, Mr. P. W. Lotz, then President of Joslyn Mfg. and Supply Co., announced the formation of the Aircraft Lightning Arrester Department which continued as a part of the Protective Equipment Division of Joslyn.

On January 1, 1964, this Department became a Division of Joslyn, now known as Joslyn Electronic Systems. On February 1, 1965, the Division moved its equipment and personnel from Chicago to Goleta, California, to pursue its business in a new 17,000 square foot plant and laboratory building in the Santa Barbara Research Park, lo-

cated eight miles west of downtown Santa Barbara. A 42,000 square foot addition to our present facilities was completed in September 1969 providing for expanded operations in production, engineering and administration.

Basically, our business is the design and manufacture of sophisticated transient suppression devices wherever they are required in electrical and electronic circuits. Known the world over as the leading supplier of aircraft lightning protection, Joslyn Electronic Systems is rapidly gaining a similar reputation for electrical surge and transient protection in the fields of power, communications, transportation and industrial process control.

## Laboratory Facilities

The Joslyn laboratory facilities include a series of high-voltage and high-current surge generators capable of: simulating lightning stroke currents far in excess of MIL-A-9094D requirements, standard and special voltage and current wave shapes and heavy coulomb discharge. Other laboratory facilities include a 1.25 megajoule capacitor bank; environmental test chamber; high-voltage RF and DC power supplies; 8,000 A. 100-1000 V, 3  $\phi$ , 60 Hz power system; 50 kW, 120/208 V, 3  $\phi$ , 400 Hz power system; mass spectrometer leak detection equipment, and oscillographic equipment for measuring and recording fast rise time, high voltages and currents.

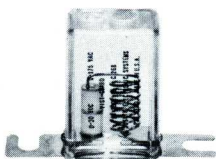


MSP® applies to two-element miniature surge protectors.

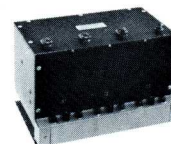


TRIGARD® applies to three-element precision spark gaps.

## TRADE NAMES



VISI-GUARD® applies to communication and signal protectors incorporating as one of the components a three-element precision spark gap.



SURGITRON® applies to AC and DC power systems surge protectors.