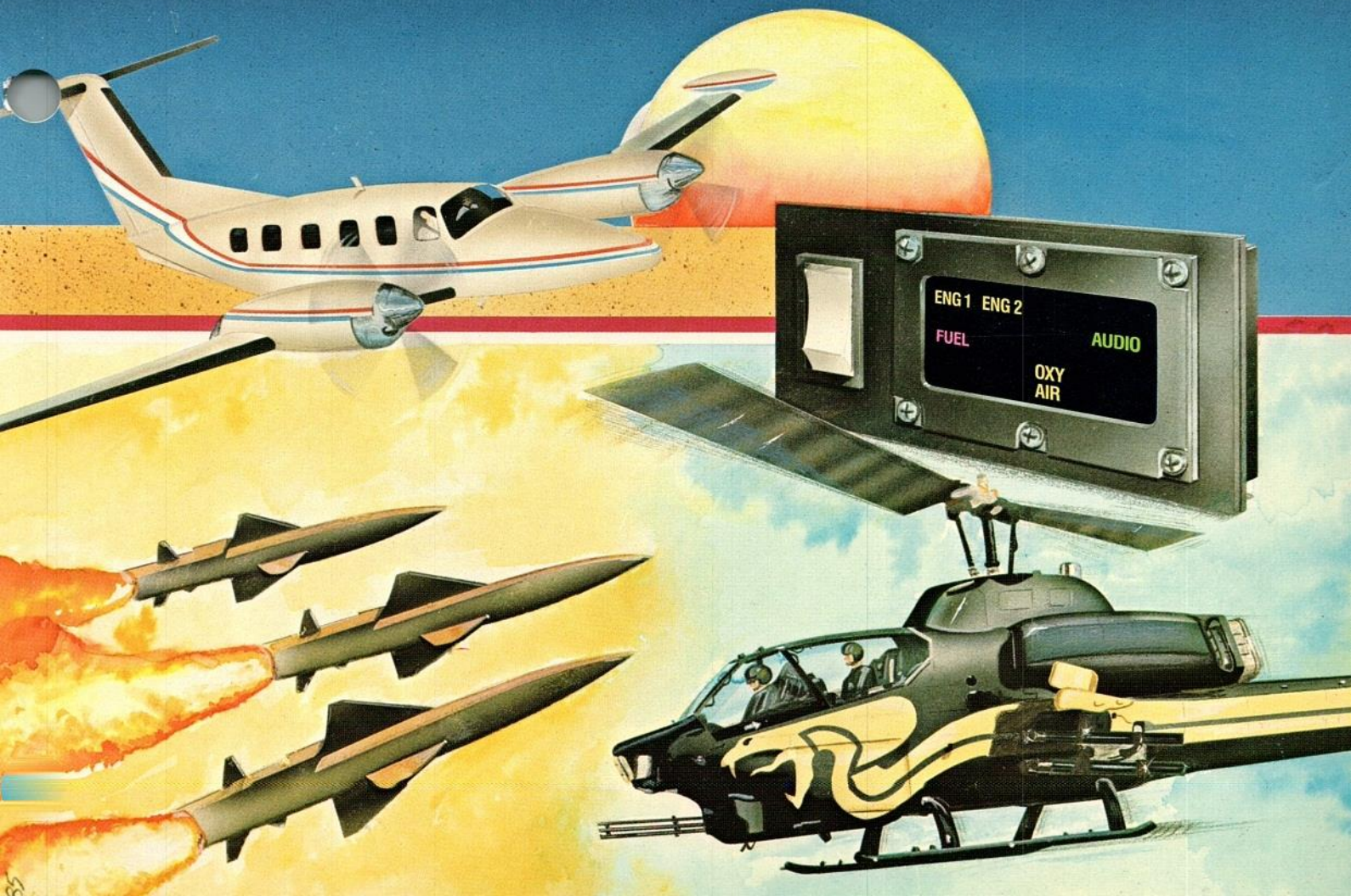


MSC Products

EAT•N

SERIES 950 CUSTOM ANNUNCIATOR

SUNLIGHT READABLE
NVIS COMPATIBLE



MSC Series 950 Low Profile Annunciator

Low Profile Customized Annunciators

The Series 950 is a custom annunciator specifically designed for each application. The design is dictated by space available, special environmental conditions, circuitry requirements, and termination preference. The basic design shown below is typical of most applications.

The features available to all

customized annunciators are:

Low Profile

The Series 950 typically consumes .60 behind panel depth including solder terminals. Total depth varies with termination method.

Termination Flexibility

Either wire leads, solder terminals, or subminiature D-type connectors.

Rugged

The Series 950 meets military standards for resistance to adverse environmental conditions such as salt spray, humidity, sand and dust, shock, vibration, altitude, and drip-proof requirements.

EMI/RFI Shielded

Shielding against Electro Magnetic Interference, and Radio Frequency Interference can be provided.

Relampable From Front

T1, Bi-Pin lamps or LED's are used to provide maximum illumination and longevity.

These dependable lamps are quickly and easily replaceable from the operator side of the panel. Eliminates the cost of removing the panel and tearing down the assembly itself to replace a lamp. Just simply remove the bezel and replace the lamp.

Sunlight Readable

The Series 950 can be provided with legends which when energized are readable in 10,000 foot candles ambient light (bright sunlight) and are dead face with no "ghosting" when not energized. Incandescent lamps required. Not available in all colors.

NVIS Compatibility

The Series 950 Custom Annunciator can be provided

with a lens/lamp design that is Sunlight Readable in 10,000 foot candle ambient light (Bright Sunlight) and meets the NVIS compatibility requirements of MIL-L-85762A for Green, Yellow, and Red colors.

Choice of Colors

Red, green, amber, white, and blue. Can be mixed in lens assembly. White and blue not available in LED's.

Specifications

Mechanical & Electrical:

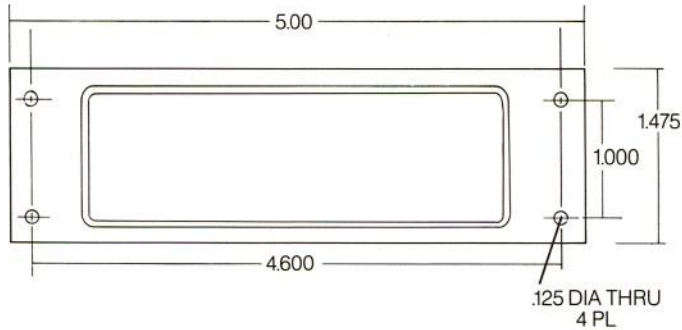
Unit Size:	Customer defined.
Character Size:	.09 to .15
Termination:	Wire Leads, Connector, Solder Terminals.
Illumination Source:	T1 Incandescent lamps or LED's operating from either 5VDC or 28VDC source.
Minimum Spacing:	Columns: .5"—Rows: .3"
Minimum Legend Area:	.20" x .45"

Contact the factory or our local sales offices to discuss your application.

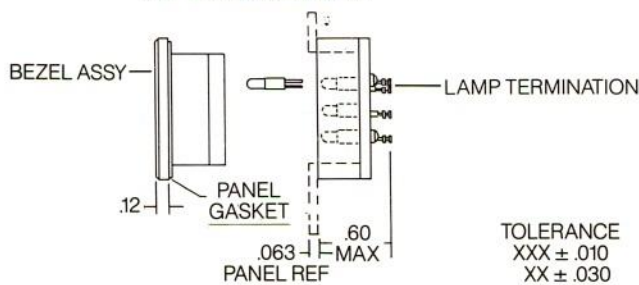


Typical Application Drawing

The Series 950 is customized to meet each customer's specific requirements. The basic building block for the design is as shown below. The maximum depth varies depending on the termination method chosen.



REPLACEABLE LAMP



Environmental Characteristics

Designed to meet the following:

- Operating Temperature: -55°C to $+85^{\circ}\text{C}$ (Incandescent only)
- Vibration: 10 to 2000 Hz 15g acceleration per MIL-STD-202, Method 204, Condition B (lamp filament breakage not considered a unit failure).
- Shock: 50g 11 milliseconds duration, half sine pulse, per MIL-STD-202, Method 213, Condition A
- Dielectric: 500 volts RMS per MIL-STD-202, Method 301
- Insulation Resistance: Per MIL-STD-202, Method 302, Condition B
- Salt Spray: Per MIL-STD-202, Method 101, Condition A
- Humidity: Per MIL-STD-801, Procedure 1, Method 507.1, Ten cycles.
- Altitude: Per MIL-STD-202, Method 105, 100,000 feet
- Dripproof: MIL-S-22885, Sec. 4.8.21.3
- Sand and Dust: MIL-STD-202, Method 110A
- EMI/RFI: Attenuation per MIL-STD-285



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