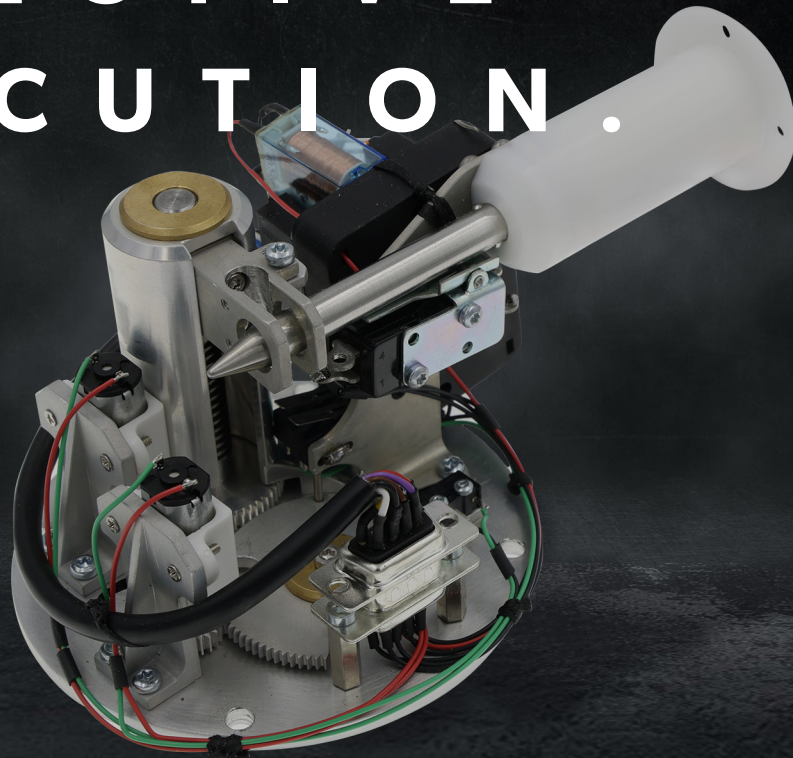


HALCON

SM1 FUZE

CUSTOM
DESIGN.
EFFECTIVE
EXECUTION.



An electro-mechanical fuze designed for specific Warhead design and weapon configuration that can be used in two modes: Proximity Height and Point Detonation.

S P E C I F I C A T I O N S

FEATURES

Depending on the specific warhead design, and weapon configuration, the fuze can be used in the following modes:

Proximity Height (Doppler Radar)

Point Detonation

The Point Detonation action can be used as a backup to the proximity mode.

FUZE TYPE

An electro-mechanical fuze, designed for use on wide variety of custom designed warheads.

SAFETY

Mechanical: Remove before flight pin to prevent any accidental arming as well as power up of the fuze.

Electrical: Release consent (Umbilical Break) to start timers for unlocking sequence of the mechanical arming gates.

OPERATIONAL LIMITS

Velocity: 10 to 120 m/s

Angle of Impact: Vertical to 60° from horizontal

Operating Temp: -15°C to 60°C

Storage Temp (Long Term): -10°C to 40°C

Shelf Life: 10 Years

STANDARDS

MIL-STD-1316 Fuze Design Safety Criteria (Partial Conformance)

MIL-STD-331 Fuze and Fuze Component, Environmental and Performance Tests

MIL-STD-461 Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment (Partial Conformance)

MIL-STD-464 Electromagnetic Environmental Effects – Requirements for Systems (Partial Conformance)

STANAG 4187 Fuzing Systems: Safety Design Requirements (Incorporated in MIL-STD-1316)

ISO 9001:2000 Quality Management Systems

SIZE

Diameter: 49mm

Length: 105mm

Height: 80mm

MASS

440 ± 15 grams

