Reshef Technologies

Battle Proven
Electronic Fuzes

The MR787 is a Radio Proximity fuze that is widely compatible with all calibers. This safe, reliable product has a delayed transmission. Utilizing the Doppler Effect, the fuze is designed to initiate the warhead at the optimum height above the target providing maximum effectiveness of the mortar ammunition.

Safe  Accurate  Reliable  Delivers Top Performance
MR787 Mortar Electronic Proximity Fuze

Compatibility
To be used with all types of HE mortar bombs, with calibers of: 60mm, 81mm, 82mm and 120mm.

Operating Modes
Operated by switch
Proximity (PRX): Detonates warhead at optimal height above target.
Point Detonation (PD): Detonates warhead upon impact with target.

Arming
By two arming mechanisms:
Set back force: Acceleration of 400g minimum, for 1 m/sec duration minimum.
Sustained air flow: 30 m/sec minimum.

Safety
Mis-sequencing: Prevents arming the fuze whenever arming condition of "air flow" precedes arming condition of "set back".
Arming distance: 70m minimum from muzzle.
Double loading: The fuze will not function in bore at a double loading event.
Shorted electric detonator: The electric detonator is shortened until arming.
Safety pull wire: No use of safety pull wire.

Height of Burst
PRX Mode (standard factory set): 2.5 above target for 60/81/82mm. 4.0m above target for 120mm. Other heights of burst upon request.

Temperature Conditions
Firing: From -40°C to +63°C
Storage: From -46°C to +71°C

Physical Description
Total length: 95.5mm
Cross section diameter: 51.1mm
Intusion depth: 27.5mm
Thread size: 1.5"-12UNF-1A
Weight: 0.3kg

Military Standards
MIL-STD-331: Environmental and performance tests for fuze and fuze components.
MIL-STD-1316: Fuze design, safety criteria.
STANAG 4187: Fuzing system - safety design requirements.

Power Supply
Air driven alternator.

Explosive Output
Booster pellet: 7g CH-6.