

ResheFuze MR787

Mortar Electronic Proximity Fuze

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



Battle Proven
Electronic Fuzes

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-333: Fuze, projectile and accessory contours.

MIL-STD-1316: Fuze design, safety criteria.

STANAG 4187: Fuzing system - safety design requirements.

Power Suuply

Air driven alternator.

Explosive Output

Booster pellet: 7g CH-6.



MR787

About Reshef Technologies

Reshef Technologies obtains three decades of experience in the development, design and production of electronic fuzes for artillery, mortar, tanks, rockets and loitering munitions.

Reshef Technologies is the main supplier of these battle proven fuzes to the Israeli Defense Forces (IDF) - one of the world's most advanced armed forces.

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