Reshef Fuze MR797
Mortar Electronic Point Detonating Fuze

The MR797 is an Electronic Point Detonating Fuze that is widely compatible with all calibers. This reliable fuze requires no safety pull wire and meets all safety requirements.

Safe Accurate Reliable Delivers Top Performance
MR797 Mortar Electronic Point Detonating 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
Point detonating (PD): Detonates warhead on impact with target.
Delay: Detonates warhead after 50 milliseconds from impact with target.

Arming
By two arming mechanisms:
Set back: Acceleration of 400g minimum, for a duration of 1 millisecond minimum.
Air Speed: 30 m/s minimum.

Safety
Miss-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 in at double loading event.
Shorted electric detonator: The electric detonator is shortened until arming.
Safety pull wire: No use of safety pull wire.

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

Physical Description
Total length: 95.1mm
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.

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.