

# *ResheFuze 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



Battle Proven  
Electronic Fuzes

## 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:** of 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-333:** Fuze, projectile and accessory contours.

**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.

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