

ResheFuze RT180

Artillery Electronic Proximity Fuze

The **RT180** Electronic Proximity Artillery Fuze is highly accurate, safe and cost-effective time gated Artillery Proximity Fuze. It is designed to initiate artillery ammunition at the optimum height of burst, for maximum effectiveness. The **RT180** fuze operates in all weather conditions and is highly immune to atmospheric conditions and Electronics Counter-Measures (ECM).



Safe



Accurate



Reliable



Delivers Top
Performance




Reshef
TECHNOLOGIES

Battle Proven
Electronic Fuzes

RT180 Artillery Electronic Proximity Fuze

Compatibility

To be used with all types of HE artillery projectiles with calibers of: 105mm - 155mm howitzers and guns.

Operation Modes

- Proximity (PRX):** Detonates projectiles at optimal height above target.
- Point Detonation (PD):** Detonates projectiles upon impact with target.

Back-Up

Point detonating back-up on proximity mode.

Safety & Arming

Two independent arming mechanisms (dual safety):
Setback force of 50g minimum.
Spin rate of 1700 RPM minimum.

Electronic Time Setting

Electronic time setting perform manually by self lock ring.
Start transmission in PRX mode and for PD mode:

- For PD Mode: Set to PD mode.
- For PRX Mode: Set from 5 to 155 seconds with increments of 5 seconds.

Height of Burst

PRX Mode (factory set).
Average of 9.0m above target.
Other heights of burst upon request.

Temperature Conditions

Operation: From -40°C to +63°C
Storage: From -46°C to +71°C

Power Supply

Reserve battery.

Immunity

The fuze utilizes an electronic timer (5 to 155 seconds) starts transmission 2.8 seconds before the set time.
The fuze will not be activated by clouds, thunder or sand storms.
The fuze is immune to Electronic Counter Measures (ECM).

Physical Description

Overall length: 151.6mm max
Intrusion depth: 56.1mm max
Cross section diameter: 61.2mm max
Thread size: 2"-12UNS-1A
Weight: 0.70kg

Military Standards

MIL-STD-333: Environmental and performance tests for fuze and fuze components.
MIL-STD-331: Fuze, projectile and accessory contours.
MIL-STD-1316: Fuze design, safety criteria.
STANAG 4187: Fuzing system - safety design requirements.

Explosive Output

Booster pellet: 27g of Comp. CH-6 or A-5.



RT180

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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