

ResheFuze RT N180

Artillery Electronic Proximity Fuze

The **RTN180** is a safe, accurate and cost-effective time gated by inductive setting, Artillery Proximity Fuze. Designed to initiate artillery ammunition at the optimum height of burst for maximum effectiveness. The **RTN180** 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

RT N180 Artillery Electronic Proximity Fuze

Compatibility

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

Operation Modes

Proximity (PRX): Detonates projectiles at optimal height above target.

Point Detonating (PD): Detonates projectiles upon impact with target.

Time Setting to Start Transmission

By inductive setting system.

Back-Up

Point detonating back-up on proximity mode.

Safety & Arming

Two independent arming mechanisms (dual safety): Setback force of 400g minimum.
Spin rate of 1700 RPM minimum.
Electronic arming.

Power Supply

Reserve battery.

Temperature Limits

Firing: From -40°C to +63°C

Storage: From -46°C to +71°C

Height of Burst

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

Immunity

The fuze utilizes an electronic timer (3 to 199.5 seconds) which start transmission at 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 length: 56.1mm max

Cross section diameter: 61.2mm max

Thread size: 2"-12UNS-1 A

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.



RT N180

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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