

# ResheFuze TK127

## Tank Electronic Time Fuze

The TK127 Tank Electronic Time Fuze is a ultra accurate fuze for applications used with Anti Personal (APERS) munition.



Safe



Accurate



Reliable



Delivers Top  
Performance



Battle Proven  
Electronic Fuzes

## TK127 Tank Electronic Time Fuze

### Compatibility

105mm tank guns, for use with APERS munition.

### Time Delay Setting

**Automatic setting:** Range data is derived from the fire control system of the tank, and then translated into the time-setting. This is then transmitted to the fuze, by the fuze-setter, through induction methods.

**Automatic setting system:** Automated by the system fuze-setter, through receiving coil when fuze is set to "auto". The data is kept in memory for a practically unlimited period of time, or until it is reset, generated by the fire control system, and transmitted by the fuze-setter.

**Manual Setting:** Setting is performed on "range to target" data. Range indication is internally translated into time setting.

**Manual setting system:** Digital setting, positive self-locking by three setting rings.

### Accuracy

The maximum range deviation of the fuze is 10m.  
The standard deviation of the delay error is less than 0.01 seconds (when on automatic setting mode).

### Safety & Arming

**By two independent arming mechanisms:** Set-back force of 50g minimum.  
Spin rate of 1700 RPM minimum.

### Power Supply

Reserve battery.

### Temperature Conditions

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

### Physical Description

**Overall length:** 133.6mm maximum  
**Intrusion size:** 38.1mm maximum  
**Cross section diameter:** 61.2mm  
**Thread size:** 1.9"-16UNS-1A  
**Weight:** 0.68kg

### Military Standards

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

### Explosive Output

258mg RDX.



**TK127**

#### 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.

#### Reshef Technologies Ltd.

7 Haplada St.,  
Or Yehuda 6021807, Israel.

Tel: +972 (0)3 538 8604  
www.resheffuzes.com | info@resheffuzes.com