

ResheFuze TK128

Tank Electronic Multi-Functional Fuze System

The **TK128** is a sophisticated programmable Electronic Fuze system for main battle tanks against targets other than tanks. The **TK128** is a multi-functional fuze system designed for 105mm guns. It includes communication capabilities with the fire control system of the tank.



Safe



Accurate



Reliable



Delivers Top Performance



Battle Proven
Electronic Fuzes

TK128 Tank Electronic Multi-Functional Fuze System

Compatibility

105mm tank guns, for use with APAM ammunition. The TK128 is a multi-functional fuze system, that can provide rapid and lethal direct fires in support of assaulting infantry, penetrating bunkers and buildings with maximum resulting damage. It can destroy light armored vehicles, and also destroy helicopters for self-defence.

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 the 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: 195.5mm maximum

Intrusion size: 38.1mm maximum

Cross section diameter: 61.2mm

Thread size: 2"-12UNS-1A

Weight: 905 ± 50gr

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

30g black powder.



TK128

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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