

ResheFuze AR174

Artillery Rocket Electronic Time Fuze

The **AR174** is an Electronic Time Artillery Rocket Fuze that is widely compatible with all calibers. This safe and reliable fuze has a simple cable remote time setting as well as a settable point detonation.



Safe



Accurate



Reliable



Delivers Top
Performance



Battle Proven
Electronic Fuzes

AR174 Artillery Rocket Electronic Time Fuze

Compatibility

With fin-stabilized artillery rockets with calibers of: 2.75", 110mm, 122mm, 140mm, 160mm, 228mm, 280mm, 290mm 300mm.
To be used with: high explosive (HE) and cargo-type warheads (AT/AP mains and sub-munitions, illuminating, or smoke).

Operation Mode

Time: by cable remote setting.

Fuze Setting

Fuze is remotely set by cable which is linked to the fuze setter located at the fire control system position.
Fuze is settable from 10 to 199.9 seconds, in 0.1second increments.

Accuracy

Higher than 0.1 seconds.

Arming

Arming of the fuze occurs only after two independent conditions are sensed:

- Set back forces for a 1.2 seconds minimum duration.
- Sustained air flow.

Safety

Set-back: Acceleration of 20g minimum for a duration of 1.2 seconds minimum.

Air Flow: Must attain speed of at least 200m/s minimum

Arming distance: 500m from muzzle, minimum.

Safety pull wire: There is no use of a safety pull wire.

Power Supply

Air driven (turbine) alternator.

Temperature Conditions

Operation: From -40°C to +63°C

Storage: From -46°C to +71°C

Physical Description

Overall length: Expelling mode fuze: 183.5mm

Intrusion size: Expelling mode fuze: 55.0mm

Cross section diameter: 64.0 mm

Thread size: M45 x 2-6g

Weight: Expelling mode fuze: 0.82kg

Military Standards

MIL-STD-331: Environmental and performance tests for fuze and fuze components.

MIL-STD-1316: Fuze design, safety criteria.

STANAG 4187: Fuzing system - safety design requirements.

Explosive Output

Booster pellet: 21g of CH-6.



AR174

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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