FCS-MR500

40 MM FIRE CONTROL SYSTEM

The Fire Control System MR 500 (FCS-MR 500) from Rheinmetall Soldier Electronics (RSE) is a highly integrated system for 40 mm low and medium-velocity grenade launchers. It can be mounted on any stand-alone, underslung or multiple grenade launcher via Picatinny rail.

Its unique lightweight construction adds just a little over 300 grams to the host weapon. In addition, the FCS-MR 500 supports the use of various weapons and top sights. Furthermore, the FCS-MR 500 has an IR illuminator and an IR aiming laser.

With the correction of the elevation angle, the FCS-MR 500 increases the first round hit probability.

FEATURES
- IR illuminator
- IR aiming laser
- All lasers co-aligned to bore sight with a single adjustment
- Different distance levels (1 m, 5 m, 10 m) available – directly in the menu for fast switching
- External serial interface for connection of air burst programmer (ABM-Programmer) or LRF
- Waterproof up to 10 m for 1 h (IP68)
- Powered by one IEC CR17345/CR123 battery

40 MM BALLISTICS
- Quick selector for two predefined ballistic tables
- Storage for up to 32 ballistic tables

WEAPON MOUNTING
- Standard picatinny mount (MIL-STD-1913/STANAG 4694)
- Mount rotatable, for right/left side mounting

TAKING RESPONSIBILITY IN A CHANGING WORLD

RHEINMETALL

TECHNICAL DATA

General

		40 mm ballistics	
Length x width x height [1]	130 x 65 x 105 mm	Type	RSE Algorithm
Extension from rail	60 mm	Max. storage capacity	32 ammunitions types
Weight incl. battery, rail mount and reflex sight	335 g	Distance setting	Manual input of range
Battery	1x IEC CR17345/CR123	Tilt/Elevation range	0° to 45°
Battery life	4 h (Dual IR 30/30 mW)	Atmospheric sensors	Pressure, humidity, temperature
Waterproof (IP68)	10 m for 1 h	Airburst programmer	Interface to RSE programmer
Operating temperature (STANAG 2895)	−32°C to +71°C	Canting assistance	In display, blinking red dot sight and
Test standard	MIL-STD-810		blinking IR laser

MODE DATA

Mode	typ. wavelength	typ. output power	typ. beam divergence
IR aiming laser	850 nm	30 mW	0.5 mrad
IR illuminator	850 nm	60 mW	5 mrad to 150 mrad

[1] *Height is including Trijicon® RMR reflex sight.*

All parameters in the tables were measured at room temperature.

![Warning triangle with laser symbol] Laser beams can cause damage to your eyes. The user is responsible to observe the local safety regulations.

Subject to technical changes, error, and printing errors.