

Magnastart® Window Delay Exploder Model WD212

Timed Magnastart® Window Delay Exploder



Overview

- The WD212 can only be armed in the window period specified on the unit. An indicator light flashes at 1 second intervals during the timing cycle. The light turns on at the end of the delay timing cycle and the unit fires 5-10 seconds later.
- Designed as a replacement for the Centralized Blasting System, the standalone mains operated Magnastart® Window Delay Exploder is capable of firing up to 3 Magnastarts® connected in parallel, where the circuit inductance does not exceed 400µH.
- The WD212 is operated by means of a key switch and fires at a specific time indicated on the front panel.

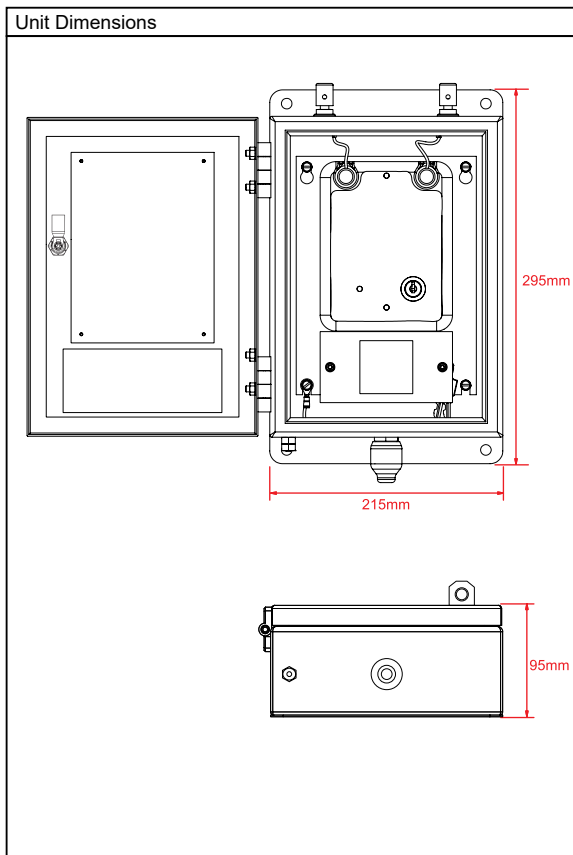
Features

- The key is removable in the OFF and ARMED positions preventing unauthorised use.
- The WD212 can perform several timing/blasting operations even when Mains is not available.
- A single light is used for timing and charging cycle indication. Failure of this light is therefore easily detected.
- The WD212 is supplied in a sealed, lockable enclosure with a polycarbonate window to allow full view of the WD212.

Notice and Maintenance

- All service work must be performed by authorised AEC Electronics personnel only.
- Keep units on charge when not in use to avoid battery damage.

Specifications



Frequency Range	30-65kHz.
Duration of Firing Pulse	12±0.5ms.
Nominal Firing Time	Within 5 minutes of the firing time indicated on the front panel.
Arming Mechanism	Key switch.
Firing Capacity	DC resistance 15Ω, inductance 400µH.
Timing Indicator	Flashes every 1s during timing intervals, lights up for 5-10s before firing.
Battery Backup	At least 10 timing/firing cycles are possible with Mains switched off, provided the built-in battery is fully charged.
Mains Supply Voltage	220V _{AC} 50Hz.
Construction	Encapsulated circuitry in a plastic enclosure which is housed in a sealed, lockable steel cabinet with a polycarbonate window allowing full view of the WD212.
Unit Dimensions	Plastic enclosure: 163mm x 125mm x 66mm. Steel enclosure: 295mm x 215mm x 95mm.
Unit Mass	6.7kg.
Temperature Range	-5°C to 45°C.

Warning and Disclaimer

The information and recommendations in this document are provided for reference purposes only and should not be construed as advice to cover every application of the product or variation of conditions under which the product may be used.