Statsafe® Shot Exploder
Model 1221F
Rechargeable Key Switch Model

Features

- The 1221F is capable of firing up to 130 Type 1 Statsafe® (CARRICK) initiators/detonators connected in series, where the total circuit resistance does not exceed 120Ω.
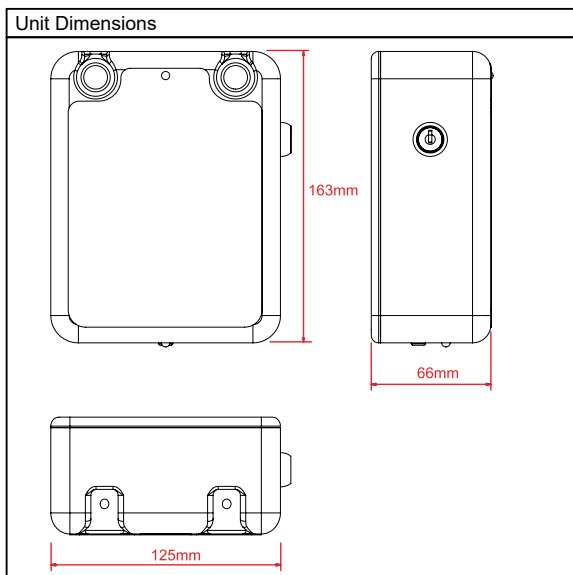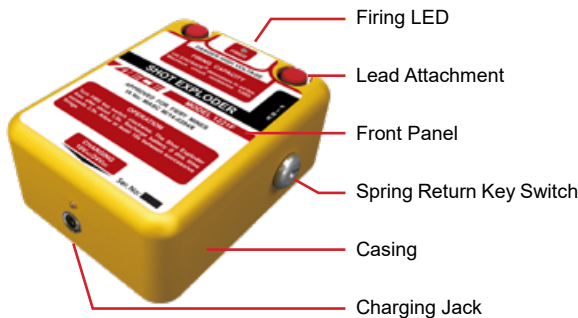
Operation

- The 1221F is operated by means of a key switch and automatically fires after a delay of 1.5-2.5 seconds. An indicator light flashes when firing takes place.
- The 1221F is powered by a rechargeable battery and is capable of at least 1000 firings. The battery must be recharged when the firing time exceeds 2.5 seconds.
- Warning: At least 10 seconds should be allowed between successive firings.

Notice and Maintenance

- All service work must be performed by authorised AEC Electronics personnel only.
- Approved for use in fiery mines.
- The 1221F should only be charged with the specially designed charging cable.

- Firing LED
- Lead Attachment
- Front Panel
- Spring Return Key Switch
- Casing
- Charging Jack

Specifications

IA Certificate Number	MASC M/14-0394X.
Nominal Firing Voltage	1150V.
Nominal Output Energy	16.3J.
Firing Mechanism	Spring return key switch.
Charging Time	1.5-2.5s.
Firing Capacity	130 Type 1 Statsafe® (CARRICK) initiators/detonators in series via 2Ω firing cable (firing circuit resistance <120Ω). 240 Type 0 Standard initiator/detonators in series via 5Ω firing cable (firing circuit resistance <470Ω).

Battery	Type	Rechargeable NiCd.
	Capacity	1000 firings.
	Charging	Charged from mains power (110-250$_{AC}$, 50-60Hz) using the supplied charging cable.
	Charging Time	Full charge reached in 12 hours. Charging indicator turns off after full charge is reached. Note: Prolonged charging will not harm the battery.

Construction	Fully encapsulated circuitry in a tough plastic enclosure.
Unit Dimensions	163mm x 125mm x 66mm.
Unit Mass	1.6kg.
Temperature Range	-5°C to 45°C.

Unit Dimensions

163mm

66mm

125mm

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.