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MINI EXPLODER

TA01042



PRODUCT DESCRIPTION

The MINI EXPLODER was designed to provide military personnel with a lightweight, single output electronic exploder based on proven technological advances. This is a single channel exploder that may be activated with one hand, using the other one free for other functions.



*Image is for illustration purposes only

OPERATION

The single firing circuit is connected with the help of spring-loaded terminals.

Circuit connection is inspected by pressing the TEST button. A green LED light will indicate a positive connection.

Lifting the PRIME flap on the right hand side of the unit (see image above) causes the red LED light to flash, indicating that the unit is operational. This typically takes 2 seconds.

While the red light is flashing, the load circuit may be fired by pressing the TEST and FIRE buttons (located under the PRIME flap) simultaneously.

ONE STOP SHOP

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SPECIFICATION

Size	151mmx58mmx46mm
Unit weight	240g
Case material	norly se100
Finish (as standard)	non - reflective drab olive
Output connections	single firing circuit (spring loaded terminals)
Controls	pushbutton
Indicators	led
Batteries	2xstandard pp3 9v alkaline batteries (mimimum of 100 firings)
Operating temperature range	-20°C to +55°C (arming time increases at low temperatures)
Storage temperature range	-40°C to +70°C
Immersion	Up to a depth of 1.5m
Output voltage	319-400v
Output energy	typically 10J/minimum 4.5J
Output load	up to 400 ohms
Arming time	typically 2 seconds

SAFETY FEATURES

The mini exploder must be primed before any circuit can be fired, and firing requires a number of buttons to be simultaneously pushed. This minimizes accidental launch if the charged (or primed) unit is accidentally initiated. The output is subdued when the mini exploder isn't fully ready, thus preventing partial firing. An indication of stability is available prior to the explosion and output energy cannot be released into a circuit whose resistance is higher than 400 ohms. This level of resistance is well below that of the human body, therefore completely eliminating any electrical hazard to the operator.

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