

EOD028

SINGLE CHANNEL EXPLODER

NATO STOCK NUMBER 1375-99-859-2086

The Single Channel Exploder was developed to provide users with a cost-effective single handedly operated exploder, which can operate from commercially available “off-the-shelf” batteries. Designed for EOD and IEDD applications, the system is in service with the UK MOD and has been deployed all over the world.



Operation

Insert batteries into the rear compartment of the exploder. The single firing circuit is connected by means of spring-loaded terminals. Circuit continuity is checked by operating the TEST button. A green LED will indicate a positive connection. Lifting the Prime Flap on the right hand side of the unit causes the red LED to flash, indicating that the unit is primed. This typically takes two seconds. While the red LED is flashing, the load circuit may be fired by operating the TEST button and the FIRE button (located under the Prime Flap) simultaneously. Remove batteries when not in use. A range of accessories are available including a Shock Tube Adaptor.

Safety Features

The **Single Channel Exploder** must be primed before any circuit can be fired, and firing requires the operation of two independent push buttons, which are recessed to prevent inadvertent operation. The output is inhibited when the Exploder is not fully primed, thus preventing partial firing. An indication of continuity is available prior to firing and output energy cannot be released into a circuit whose resistance is more than 400 Ohms. This level of resistance is well below that of the human body, therefore completely eliminating any electrical hazard to the operator.

Specifications:

Size:	151mm x 58mm x 46mm
Unit Weight:	240g
Case Material:	NORYL SE100
Finish (as standard):	Non-Reflective Drab Olive
Output Connections:	Single firing circuit (Spring Loaded Terminals)
Controls:	Pushbutton
Indicators:	LED

Batteries:	2 x Standard PP3 9V Alkaline batteries (minimum of 100 firings)*
Operating Temperature Range:	-20°C to +55°C (Arming Time increases at low temperatures)
Storage Temperature range:	-20°C to +55°C (Arming Time increases at low temperatures)
Immersion:	To depth of 1.5m
Output Voltage:	319-400V
Output Energy:	Typically 10J /Minimum 4.5J
Output Load:	Up to 400Ohms
Arming Time:	Typically 2 seconds

*** A multi-channel version is also available***