



ERM

Explosive Risk Management Ltd

Catalogue of IED Training Aids



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Company Number:
06798226

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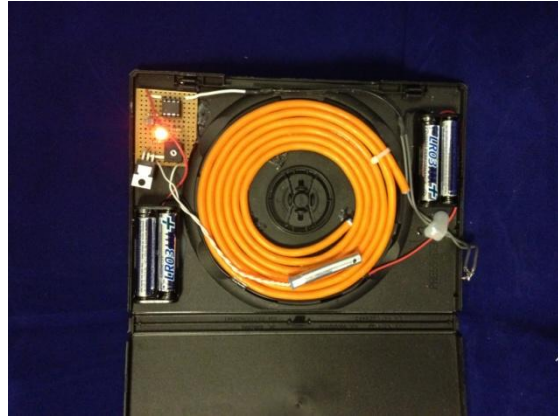
VAT Registration Number:

GB 985 1072 06

Pictures of some of our range of IED Training Aids



Criminal Time Device



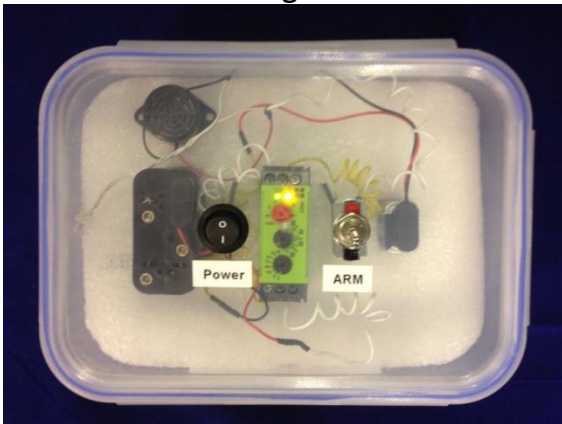
Light Sensitive Postal Device



Chicom Webbing Suicide Vest



Coffee Jar Grenade



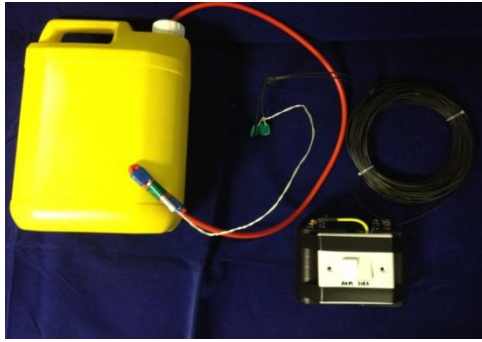
Terrorist Electromechanical Timer Device



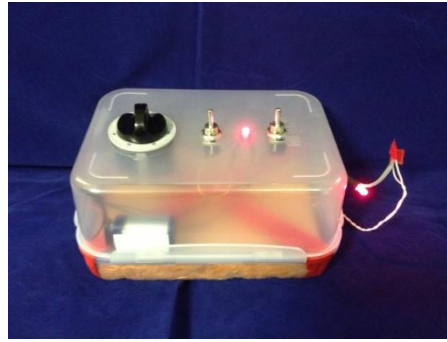
105mm Artillery Shell with PMR and Add-On Circuit

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Terrorist Command Wire Device



Terrorist Blast Bomb



Elec Det

Catalogue of IED Training Aids

Ser No Description

Time Initiated Devices

<u>T001</u>	<u>1 hr Mechanical Time Device</u>	A criminal time device using a mechanical timer as the method of initiation with simulated low explosives and accelerant (Petrol substitute) as the main charge.
<u>T002</u>	<u>2 hr Mechanical Time Device</u>	A professional terrorist device using a 2 hour mechanical timer as the method of initiation with a detonator and simulated Semtex explosives as the main charge.
<u>T003</u>	<u>Electronic Time Device</u>	A professional terrorist electronic timer initiated device with a detonator and explosives as the main charge.
<u>T004</u>	<u>Electro-Mechanical Time Device</u>	A professional terrorist electro-mechanical timer initiated device with power and arming switch for safety with a detonator, and det cord into 50l blue chemical drum main charge.
<u>T005</u>	<u>Modified Alarm Clock Time Device</u>	A criminal time device using a modified alarm clock as the method of initiation with 2 copper pipe bombs and accelerant as the main charge.

Any other types of time initiated training aids can be made to order upon request to suit individual client requirements including chemical, water or other time related switches.

Command Initiated Devices

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<u>C001</u>	<u>Key Fob Radio Controlled Command Device</u>	A professional terrorist radio controlled command device with a key fob transmitter and a detonator into an improvised claymore main charge containing ball bearings.
<u>C002</u>	<u>Walkie Talkie Radio Controlled Command Device</u>	A criminal radio controlled command device using a walkie talkie as the method of initiation with a container containing low explosives surrounded with nails as the main charge.
<u>C003</u>	<u>Personnal Mobile Radio (PMR) Command Device</u>	A professional terrorist PMR initiated device with a detonator into explosives into the fuze cavity of a Soviet 152mm or 105mm artillery shell as the main charge.
<u>C004</u>	<u>Command Pull Device</u>	A device seen extensively globally and widely used in Afghanistan using a bare wire loop contained within a plastic bottle with a detonator onto detonating cord into a 5ltr container containing simulated Ammonium Nitrate and Aluminium (ANAL) as the main charge.
<u>C005</u>	<u>Command Wire Device</u>	Modified battery pack with domestic light switch mounted on the top, 50m domestic flex / speaker wire with a detonator and improvised claymore main charge.

Any other types of command initiated training aids can be made to order upon request to suit individual client requirements including additional Radio Control and Command Wire devices, Projectile Command, Light Command or other command related switches.

Victim Operated Devices

<u>V001</u>	<u>Pressure Matt Device</u>	A professional terrorist pressure matt initiated IED with a time and power unit incorporating a safe to arm timer and a detonator and explosives as the main charge.
<u>V002</u>	<u>Tripwire Device</u>	A criminal device initiated by a tripwire with a confined low explosive main charge surrounded with shrapnel (Nails).
<u>V003</u>	<u>Pressure Release Device</u>	A criminal device contained within a small tool box designed to be initiated when the tool box is picked up allowing the switch to assert itself. Main charge consists of 2 copper pipe bombs, fragmentation and accelerant (Petrol substitute).
<u>V004</u>	<u>Under Vehicle IED (UVIED)</u>	A professional terrorist under vehicle IED with an adjustable movement switch as the method of initiation with 2 arming switches and a detonator into either simulated Semtex or C4.
<u>V005</u>	<u>Movement Initiated</u>	A criminal device with a safe to arm timer and a

Device movement switch as the method of initiation with confined low explosives, shrapnel and accelerant (Petrol substitute) as the main charge.

Any other types of victim operated training aids (booby traps) can be made to order upon request to suit individual client requirements

Miscellaneous Devices

- Mi001 Coffee Jar Grenade A professional terrorist device extensively seen in Northern Ireland contained within a large coffee jar initiated by a micro switch when the glass jar breaks with a metal shrapnel sleeve and a detonator into simulated Semtex.
- Mi002 Suicide Vest A professional Islamic extremist Chicom style webbing suicide vest extensively seen globally containing explosives and shrapnel, with a detonator onto det cord linking explosives in each magazine pouch initiated by a hand grip mounted switch.
- Mi003 Suicide Backpack Islamic extremist London 7/7 style suicide device containing HPOM substitute as a main charge with an improvised detonator and nuts and washers taped to the outside for fragmentation.
- Mi004 No Metal Content Device A hollowed out log with a plunger and dowel to impact an improvised no metal content detonator onto detonating cord into a yellow 5ltr plastic container containing simulated Ammonium Nitrate and Aluminium (ANAL) as the main charge.
- Mi005 Saw Blade Pressure Plate Device An Afghanistan pressure plate IED using a saw blade with an improvised battery pack, a detonator and detonating cord with a modified artillery shell as the main charge.

For More Afghanistan Training Aids, Please request our Afghanistan Training IEDs catalogue.

Any other types of miscellaneous training aids including improvised weapon systems, mortars and launchers can be made to order upon request to suit individual client requirements

Postal Devices

- P001 Party Popper Postal Device A criminal postal device containing a Party Popper to initiate confined low explosives.

<u>P002</u>	<u>Reed Switch Initiated Postal Device</u>	A professional terrorist postal device using a reed switch as the method of initiation with arming wires and a detonator and simulated C4 / PE4 explosives as the main charge.
<u>P003</u>	<u>White Powder Dispersal Device</u>	An anthrax style dispersal device contained within a post pack with a low explosive dispersal charge initiated via a micro switch on opening.
<u>P004</u>	<u>Light Initiated Postal Device</u>	A DVD case containing a Light Dependant Resistor (LDR) circuit as the method of initiation with a detonator and detonating cord as the main charge.
<u>P005</u>	<u>Bare Wire Loop Postal Device</u>	A professional terrorist postal device utilising a bare wire loop to activate a movement sensor with a detonator into simulated C4 /PE4 explosives.
<u>P006</u>	<u>X-Ray Training Switch Recognition Kit</u>	A kit containing 20 common switches used in the construction of IEDs. All switches are contained within a robust case and are numbered with metal numbers to be seen on x-ray (each kit comes with a description of each switch and its potential uses)

All of our postal devices are X-Ray correct

This is just a small section of our available postal devices as we manufacture new devices of this nature all the time. A wide variety of postal devices can be manufactured to suit any need or requirement.

Main Charges and Simulated Explosives

<u>MC001</u>	<u>5Ltr Plastic Jerrycan</u>	5Ltr plastic container filled with simulated Ammonium Nitrate and Aluminium (ANAL) with 1m red detonating cord.
<u>MC002</u>	<u>20Ltr Plastic Jerrycan</u>	5Ltr plastic container filled with simulated Ammonium Nitrate and Aluminium (ANAL) with 1m red detonating cord.
<u>MC003</u>	<u>Improvised Claymore</u>	A plastic container measuring 17 x 13 x 22cm with a removable lid containing simulated C4 and a ball bearing matrix with 1m red detonating cord.
<u>MC004</u>	<u>Blue Chemical Drum</u>	A 30Ltr blue chemical drum containing simulated Ammonium Nitrate and Sugar (ANS) a booster tube and 1m red detonating cord.
<u>MC006</u>	<u>Explosively Former Projectile (EFP)</u>	A metal EFP 200mm in diameter with a copper plate and 1m red detonating cord.
<u>MC007</u>	<u>Directionally Former</u>	A metal DFFC 200mm in diameter with a 6mm ball bearing matrix at the front with 1m red detonating cord.

Fragmentation Charge

<u>E004</u>	<u>Semtex 500gm</u>	An INERT plastic wrapped simulated Semtex block without markings. Larger blocks available upon request.
<u>E005</u>	<u>C4 500gm</u>	An INERT plastic wrapped simulated C4 / PE4 block without markings. Larger blocks available upon request.
<u>E001</u>	<u>Plain Det (Each)</u>	Empty plain aluminium bodied detonator approximately 45 x 6mm with 2 holes in the base to indicate that the item is not filled and INERT. Plain detonators are sold individually or in packs of 10 but larger quantities can be supplied upon request.
<u>E002</u>	<u>Electric Det (Each)</u>	Empty electric detonator with an aluminium body measuring approximately 45 x 6mm with a blue plug and single hexagonal crimp with leads approximately 900mm in length. Each detonator has 2 holes in the base to indicate that the item is not filled and INERT. Electric detonators are sold individually or in packs of 10 but larger quantities can be supplied upon request.
<u>E003</u>	<u>Detonating Cord (10m)</u>	Red 6mm diameter detonating cord supplied in 10m lengths. For different lengths please contact us with your request.

We have an extensive range of munitions that are suitable for use as main charges in IED training serials. Please see our catalogue of Mines Munitions and Explosives Training Aids.

Who Makes Our Training Aids?

All of our training aids are manufactured by former British Army High Threat IED Operators in our company workshop with some specialist machined parts manufactured locally. Our IEDD personnel have served as instructors at the Felix Centre, the UK's only military IEDD training establishment therefore manufacture our training aids using the same techniques and materials as the terrorist would use. This ensures that our IED Training Aids are truly accurate for both look and feel.

Do The Training Aids Work?

If required, any of our training aids (except the main charges) can be supplied in working order with an output such as a buzzer or LED to indicate functioning. This is especially relevant when using training aids for recognition training. Unless requested, ERM training aids are not supplied with an output or with working switches.

What Else Can We Make?

If you have a requirement for training aids that are not detailed in the catalogue, please contact ERM, as we continue to update our range of devices and ancillaries. If your requirement is for region specific devices, please contact our team and we can put together list of devices based upon recent and historic devices by region or terrorist group.

Training Aid Packages

We are often requested to supply a range of training aids to clients for specific training and if this is a requirement, please contact us and allow us to recommend a range of training aids to support any specific requirement.

We can also manufacture IED Training Aids for specific or specialist training such as:

- ❖ Search Training
- ❖ IEDD Training
- ❖ CBRNe Training
- ❖ Anti-piracy / Maritime Security Training
- ❖ Security Training
- ❖ IED Awareness Training
- ❖ Hostage / Crisis Training
- ❖ X-Ray Training

Please contact our friendly team for more information or to discuss any requirements.

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