

Supreme

Cord Relay

Safety • Quality • Reliability

Description & Application

Supreme Cord Relay consist of 2 nos. of millisecond delay detonators of the same delay interval crimped in specially designed plastic housing, which makes the product bi-directional. The plastic housing has a provision for hooking up detonating cord at either end. The delay interval is printed on the plastic housing.

Supreme Cord relays are used in conjunction with detonating cord trunklines in opencast, metal and coal mines, quarrying, civil construction and in underground metal mines. They provide an accurate delay between blastholes in a row or between the rows. Cord Relay can be used for developing various delay patterns.

Advantages

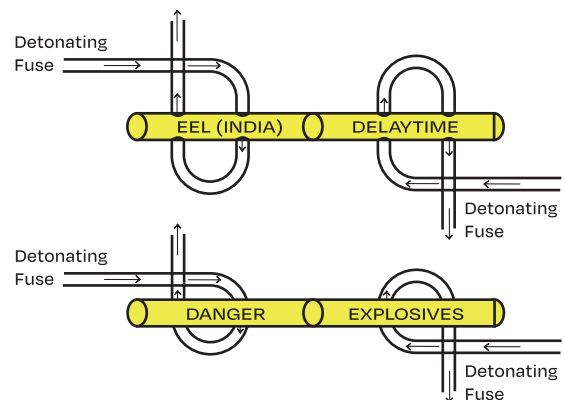
- Immune to extraneous electricity source such as stray current, static electricity and radio frequency (RF) energies.
- Bi-directional and easy to use.
- Use of tie line in the surface detonating cord hook-up provide 2-3 detonation path thus minimizing the risk of misfire.
- Initiated sequentially and hence eliminate the problem of overlap.
- Firing of large number of drill holes is possible.
- Maximum charge per delay can be controlled by using relays of different delay intervals in the surface hook up.
- Firing of one drill hole at a time is possible where required.



Hookup for Cord Relay

Lay the detonating cord trunkline with minimum slack between drill holes.

Cut the trunkline at the point using a sharp knife at the point where Relay is to be connected. Pass one cut end of the detonating cord through the hole provided at one end in the plastic housing and double loop as shown in the sketch. Repeat the same procedure at the other end.



Recommendations for Use

- Never use Relay under water.
- The cut end of detonating cord should be kept dry.
- Position the relays close to the boreholes or row being delayed.
- Do not allow detonating cord to lie over Relays as it can damage the unit resulting in misfire.
- While blasting using Relays, closed loop surface hook-up should be used.

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Safety

Supreme Cord Relay contain sensitive components and must be handled with care and respect at all times.

Packaging

50 Supreme Cord Relays are packed in duplex board boxes. 20 such cartons are packed inside a wooden/fibre board case having anti static polythene lining. Total Relays per case are 1000 numbers.

Technical properties

Product	: SUPREME CORD RELAY
Delay Timing	: 17, 25, 42, 50, 67 ms
Shell Material	: Aluminium
MOC of Mould	: Plastic Block
Identification Mark	: Danger Explosives EEL (INDIA) & Delay No



Storage

For best results, store at moderate temperatures and dry conditions in a well ventilated, approved magazine.

Shelf Life

If stored in cool, dry, well ventilated magazine and handled properly, the maximum shelf life of Supreme Cord Relays is 1 years from the date of manufacture.

Shipping Information

Authorized Name	: Supreme Cord Relays
Proper Shipping Name	: Detonator Assemblies, Non-Electric for blasting
UN No.	: 0029
Class/Div	: 1.1B

Disclaimer

Use of these products by anyone who lacks adequate training, experience & supervision may kill or injure. It is expressly understood that any technical advice furnished by SIIL with reference to the use of its Products is given gratis & SIIL assumes no obligation or liability for the advice given or results obtained, & all such advice being given is accepted at Customer's risk.

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