

## Solar DET

### NON ELECTRIC LONG PERIOD DETONATOR



### Description & Application

SOLAR DET Long Period Detonator assemblies provide Long delay, non-electric initiation of underground blast patterns. Used in conjunction with detonating cord trunlines, SOLAR DET Long Period Detonator in 18 delay periods, provide flexibility in blast design and ease of use. These can be used in surface or underground mines, at quarries or at construction projects.

### Advantages

Reliably initiates all detonator sensitive explosives; does not cause desensitisation of explosives column.

- Stands up to tough conditions.
- Provide flexible blast control.
- Allows easy connection.
- Does not entangle.
- Rugged with abrasion resistance tubing.
- Accurately timed in 18 delay periods.
- Quick and simple to connect.
- Highly visible.
- Environment friendly.
- Quick and simple to connect.
- Brightly coloured components.

### Technical Properties

PRODUCT	SOLAR DET Long Period Detonator (LDS)				
MOC of shell	Aluminium				
Detonator strength	No. 8 / No.8*				
Delay Timing, ms#	300	600	900	1200	1500
	1900	2300	2700	3100	3500
	4000	4500	5000	5500	6000
	6500	7000	7500		
Length of the shock tube	As per customers requirement				
VOD, (mtr/second)	2000 ± 200				
Tensile strength	30 kgf (min)				
Identification mark	Delay timing and length stickers tagged with each shock tube				
Water Resistance	Excellent				
Packing	Depending on length, No.of Detontors are packed in anti-static Poly bags and kept in approved fibre board boxes. A barcode sticker having details such as shock tube length, type and delay Numbers/Time is pasted on the boxes.				

# Specific delay period also available on request.

- These specifications can be changed without any notice / intimation to buyer.

## Solar *DET*

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#### Initiation & Handling

Avoid damage to the shock tube. Do not use shock tube as a lowering line for anything other than loading primer explosives. Never pull so hard to stretch or break shock tube a premature detonation may result.

#### Packing

SOLAR DET Long Period Detonator assemblies are wound in regular coils and packed in anti static poly bags. These are packed in Fibre Board Boxes.

Length (in Mtrs)	No. Per Polybag	Qty. Per Box
3.5	10	280
5.0	10	220
6.0	10	180
9	10	140
12	5	110
15	5	90
18	5	70
24	5	50

- Specific lengths and Delay Timings can be made available on request.
- Quantities in Poly bag may vary as per customer requirements

#### Storage

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

#### Shelf Life

If stored in cool, dry, well ventilated magazine and handled properly, the maximum shelf life of SOLAR DET Long Period Detonator is 2 years from the date of manufacture.

#### Shipping Information :

Authorised Name : SOLAR DET  
 Shipping Name : DETONATOR ASSEMBLIES,  
 NON - ELECTRIC for blasting  
 UN No. : 0360  
 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 SILL with reference to the use of its Products is given gratis & SILL 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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