

ElectricLP™

Electric, Long Delay Detonator Assembly



Description

ElectricLP™ detonator assemblies provide long delay electric initiation of blast patterns. *ElectricLP™*, in 7 delay periods, provides long-period flexible blast design. This series of detonators is designed for use in mines, tunnels, shafts and other underground applications.

Benefits

- Provide excellent blast control
- Ensures initiation reliability with all detonator-sensitive explosives, even at low temperatures
- Assures reliable performance, even where “water hammer” conditions exist
- Protects against accidental detonation caused by static electricity
- Assures superior performance in the toughest of environments

Features

- Accurate, fuse technology delays
- A high-strength detonator design
- High pressure resistant detonators
- Built-in anti static features
- Polyolefin legwire insulation that is not adversely affected by low temperatures, water immersion or extended storage at high humidity

Properties

Delay Periods	Nominal Firing Time (seconds)	Delay Periods	Nominal Firing Time (seconds)
2	0.2	10	1.9
4	0.6	11	2.2
6	1.0	12	2.5
8	1.4		

Some lengths and delays may not be available.

Legwire Color Code	
Copper Wire	Red & Yellow

Handling and Initiation

Recommended Firing Current	
Series wiring	A minimum of 1.5 amps DC or 3 amps AC
Parallel wiring	A minimum of 1 amp AC or DC per detonator
Series in parallel wiring	A minimum of 2 amps AC of DC per series
Maximum recommended continuous firing current 10 amps	

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Special Instructions

ElectricLP™ detonators are electrically compatible with *ElectricMS™* and *ElectricCOAL™* detonators. They are not electrically compatible with any other electric detonators from ORICA or other manufacturers. Wiring this detonator with any other detonator may result in misfires.

Radio Frequency Hazard Alert

When blasting with electric detonators, ***no personal communication equipment of any type should be on the blast site regardless of whether it is on or off.*** This includes but is not limited to: portable / hand held radios, radio modems, pagers, mobile and cell phones.

Radio-Frequency (RF) transmitters include but are not limited to: AM and FM radio, television, radar, cellular phones and other devices that are cellular based (i.e., on-board vehicle systems like "On Star"); wireless data acquisition systems, personal data devices such as "Palm Pilots" and "Pocket PCs" with built-in cellular phones or communication systems, Pagers, and Global Positioning Systems (GPS) base stations.

Refer to the Institute of Makers of Explosives Safety Library Publication #20 for distance / wattage parameters and guidance when using two-way radios and cell phones near electric detonators.

Packaging

Legwire Length		Nominal Resistance (ohms)	Quantity per		Packaging
Ft	M	Copper Wire	Carton	Case	
20	6	2.45	25	250	1.4B

Other lengths may be available by special arrangement.

Contact your local supplier for details.

Storage

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

Recommended shelf life under proper storage conditions is five (5) years from date of manufacture.

Hazardous Materials Shipping Description

Detonator, Electric
Class and Division 1.4B
UN 0255, PG II

Trademarks

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Emergency Contact Telephone Numbers

For chemical emergencies (24 hour) involving transportation, spill, leak, release, fire or accidents:

Canada: Orica Canada emergency response **1-877-561-3636**

USA: Chemtrec **1-800- 424-9300**

For lost, stolen or misplaced explosives:

USA: BATFE **1-800-800-3855**. Form ATF F5400.0 must be completed and local authorities (state / municipal police, etc) must be advised.