ELECTRONIC · PROGRAMMABLE DETONATOR

Neo-EDET

TECHNICAL DATASHEET

Neo-EDET is an electronic detonator system designed for precise and reliable blast initiation in mining, quarrying, and construction operations. It enables accurate control of delay timing, helping achieve consistent fragmentation, improved blast control, and efficient use of explosives.

The system operates on a digital two-wire communication network that allows straightforward field connection, blast programming, and verification before firing. Integrated protection and safety controls help prevent unintended initiation and ensure stable operation during handling and firing.



TECHNICAL DETAILS

PARAMETER	SPECIFICATION
Initiation Capacity	Up to 500 detonators per blast
Communication System	Two-wire digital network
Wire Colour	Yellow
Leg Wire Tensile Strength	22 – 27 kg
Explosive Output Strength	800 mg (equivalent strength)
Connector Colour / Type	White
Shell Length × Diameter	83 mm × 7.5 mm
Shell Material	Aluminium
Maximum Programmable Delay	25000 ms
Timing Accuracy	0.1% ± 0.5 ms
Operating Temperature Range	-20 °C to 80 °C
Compatibility	Neo-EDET™ Logger Cum Blaster and approved accessories

KEY FEATURES

- ASIC-based detonator module for high processing stability.
- Precision delay timing with online calibration capability.
- Two-way digital communication over standard 2-wire line.
- Spark gap protection against static and high-voltage surges.
- In-line resistors to regulate incoming current and ensure a controlled open-circuit failure under stress.
- Thermal barrier encapsulation to isolate heat transfer.
- Hardware + software interlock preventing unintentional ignition.
- Real-time detection of matched, unmatched, unscanned, or unrecorded detonators.
- Works seamlessly with Neo-EDET Logger Cum Blaster.

OFFICE
A-608, WALLFORT ENCLAVE-2, PACHPEDI NAKA
RAIPUR CHHATTISGARH 492001

PHONE
+91 9993555756

EMAIL
sivatradeandpack1@gmail.com

OVERVIEW

By offering dependable timing accuracy and improved control over blast sequencing, it supports safer blasting practices and more predictable blast results across a wide range of operational conditions.

LENGTHS & PACKING

Length (m)	Units / Box	Wire Colour
2	400	Yellow
2.5	400	Yellow
10	150	Yellow
12	100	Yellow
15	100	Yellow
16	100	Yellow

Other lengths upon customer requirement.

TRANSPORT

Transport Classification	Class	UN Number
Standard Packaging	1.1B	UN 0360
Special Packaging	1.4S	UN 0500

STORAGE & HANDLING

- Store Neo-EDET only in approved Class 6 detonator magazines in accordance with statutory regulations.
- Detonators must be stored separately from explosives, boosters, detonating cord, and primers and never with flammable materials, fuels, or chemicals.
- Storage areas should be dry, well-ventilated, and protected from moisture, with a recommended temperature range of −40°C to +50°C (or as per manufacturer specification).
- Keep Neo-EDET in the original manufacturer's packaging until use and avoid stacking cartons beyond the recommended height to prevent mechanical damage.
- During site transport, carry detonators only in approved containers and never in pockets or alongside metal tools.

OFFICE
A-608, WALLFORT ENCLAVE-2, PACHPEDI NAKA
RAIPUR CHHATTISGARH 492001

PHONE
+91 9993555756

EMAIL
sivatradeandpack1@gmail.com

RECOMMENDATIONS FOR USE

- Use exclusively with approved Neo-EDET Logger Cum Blaster, connectors, and harness wire.
- Program delays through the logger and verify all IDs through scanning.
- Conduct a Net Check to confirm communication with each detonator.
- Keep harness wire ends as per system design (one open end during testing).
- Protect leg wires from cuts, abrasion, or sharp bends during loading.
- Do not submerge the logger/blaster or expose them to high impact.
- Store in a licensed detonator magazine; follow FIFO usage and avoid stacking above limits.
- Handled only by trained personnel following standard blasting safety protocols.

PRODUCT DISCLAIMER

© 2026 Siva Trade and Pack. All rights reserved. The details presented in this document (“Information”) are intended to provide general technical guidance regarding the referenced products (“Products”). While reasonable care has been taken in compiling this Information, Siva Trade and Pack does not guarantee its accuracy, consistency, or applicability to every operational environment, and the Information may be updated or amended without prior notice.

Explosive Products must only be handled, transported, and used by personnel who are properly trained, certified, and authorized to work with such materials. Users are responsible for assessing site-specific conditions, verifying regulatory requirements, and ensuring that all procedures align with applicable safety standards and legal obligations.

To the extent permitted by law, Siva Trade and Pack rejects any form of warranty — statutory, express, or implied — relating to the Information or the Products, including but not limited to performance guarantees or suitability for a particular use. The company shall not be held liable for any loss, damage, injury, or operational consequence arising from reliance on this Information or from misuse or improper handling of the Products. This document is provided solely for reference and shall not be interpreted as a contractual commitment, product guarantee, or legally binding representation by Siva Trade and Pack.

OFFICE
A-608, WALLFORT ENCLAVE-2, PACHPEDI NAKA
RAIPUR CHHATTISGARH 492001

PHONE
+91 9993555756

EMAIL
sivatradeandpack1@gmail.com