

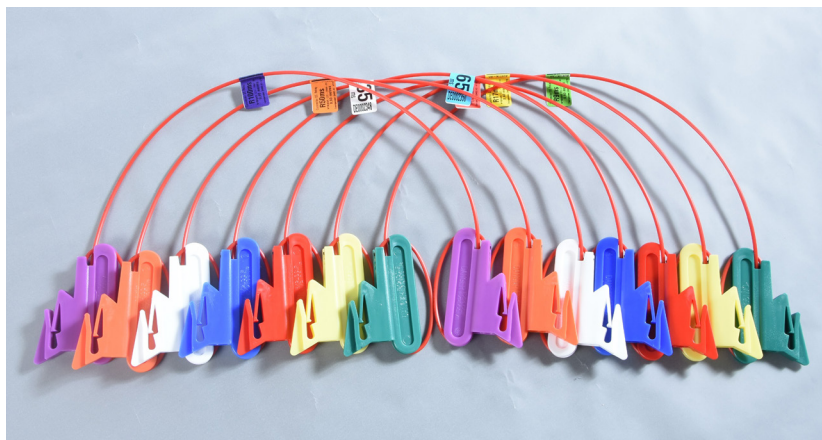


# PRODUCT INFORMATION

## BROCHURE

1.1B

## SHOCK★STAR DC RELAY



**Shock★Star DC Relay** detonators are designed to provide accurate delay timing between the individual rows of blast holes using detonating cord as a primary initiation system. They can be used for developing various delay patterns.

DC Relay consists of a 60 cm Shock Tube, two detonators and two plastic blocks. The detonators are attached to each end of the Shock Tube and are inserted into plastic connector blocks. The connector blocks are specially designed for fast and easy detonating cord connections.

## PRODUCT OVERVIEW

### PROPERTIES

Delay sequence								
Nominal delay (ms)	9	17	25	35	50	65	100	

### BENEFITS

- 400 mg base charge to ensure reliable initiation of 5 g/m detonating cord.
- Connector blocks color coded to the delay time of the detonators.
- Bidirectional use.

STANDARD TECHNICAL DESCRIPTION

Detonator	
Detonator shell material	Aluminum
Base charge	400 mg
Water pressure resistance	0.3 MPa / 7 days
Label Marking	Delay #, Detonator type, Delay ms, ST length, barcode and batch code (traceability), Emergency number, Product registration number (ANMaC)
Shock Tube	
Velocity of detonation	2,000 ± 100 m/s
Length	60 cm
Color	Red

STANDARD PACKAGING

Box dimensions	Quantity
533 mm x 271 mm x 277 mm	150 units/box

USE

- Open pit mining
- Underground mining
- Quarries
- Civil projects

SHELF LIFE, STORAGE & DISPOSAL

- Shelf life is two years from the date of manufacture under suitable storage conditions.
- Recommended conditions: -30°C to +40°C, Relative Humidity max. 65%, in original package.
- Shock★Star DC relay must be stored in magazines for detonators. Detonators cannot be store in the same magazines as high explosives (packaged emulsions, booster, etc.) and blasting agents (ANFO). These magazines must accomplish the current legal requirements.
- Disposal: According to local regulations. If in doubt consult with the supplier.

TRANSPORT – UN CLASSIFICATION

Shipping Name: DETONATOR ASSEMBLIES, NON-ELECTRIC  
Class & Division: 1.1B  
ID Number: UN 0360

Contact your local Austin Powder representative for further information.

**Disclaimer of Warranties and Limitations of Liabilities:** © 2023 Austin Powder Argentina S.A. All rights reserved. All information contained in this document is provided for informational purposes only and is subject to change without notice. Since the Austin Powder Argentina S.A. cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, Austin Powder Argentina S.A. specifically disclaims all warranties express or implied in law, including accuracy, non-infringement, and implied warranties of merchantability or fitness for a particular purpose. Austin Powder Argentina S.A. specifically disclaims and will not be responsible whatsoever for any and all injuries (including death), losses, or damages to persons or property resulting from the use or reliance upon the information in this document.



AUSTIN POWDER

Our Mission is to improve the world we live in through the safe and responsible use of explosives.