



SPARK PRODUCING DEVICE (SPD) Series, All Sizes & Colors

INSTRUCTIONS FOR USE

WARNING! Not for consumer use.

RES Specialty Pyrotechnics Inc. products are for professional use only by licensed operators familiar with the use of these products. User assumes all liability. User is responsible for use, storage and transportation in compliance with all local, state and federal laws. Misuse may result in injury and damage to property. Refer to our [Safety Guidelines](#) sheet for further information.

DISCLAIMER

RES Specialty Pyrotechnics Inc. makes no guarantee or warranty. Our products are sold under the condition that the user will evaluate them to determine suitability for their intended use.

Device Description:

SPDs are a pre-loaded pyrotechnic spark effect. They produce a quick directional burst of sparks typically used to simulate an electrical short circuit or a bullet striking a metal surface.

Remember! An SPD needs at minimum, a clearance of 1.5 times the device effect. Example: an SPD that projects 2 foot needs at least a 3 foot clearance.

SPDs project their effect from the end opposite where the leadwires protrude from the device. Clearance requirements will change depending upon how the SPD is directed.

Always test fire a SPD in a safe area, preferably outdoors, to become familiar with the performance of the device and to determine if the device can be used safely.

CAUTION! Do not disassemble or modify. Accidental ignition, fire or injury may result!

Always wear safety glasses when handling pyrotechnics!

Do not remove device from packaging until just before use. The desiccant in the sealed bag prevents moisture from degrading the device.

SETUP DEVICE

- 1) Disable firing system.
- 2) Secure SPD in holder. **Do not over-tighten set screws as this may damage the device and cause a malfunction.**
- 3) Position device so it can function safely. Check separation distances from people and flammable objects. Ensure operator can observe device where it is placed.

TEST DEVICE

- 1) Confirm firing system is disabled.
- 2) Connect electric match leads to firing system.
- 3) Ensure device is safe to test. People and property must be at a safe distance should an unintended ignition occur. Warn others in area that a test is taking place.
- 4) Test circuit according to the firing system manufacturer's instructions.
- 5) Disable firing system after testing.

FIRE DEVICE

- 1) Confirm that device can be fired safely.
- 2) Confirm operator can observe device being fired.
- 3) Enable firing system.
- 4) Fire device according to firing system manufacturer's instructions.
- 5) Disable firing system after firing device.

Additional information and guidelines for the use of proximate pyrotechnics can be found in [NFPA 1126: Standard for the use of Pyrotechnics before a Proximate Audience](#).

RES Specialty Pyrotechnics, Inc. is available to answer any questions you may have concerning our products. Please call us Monday through Friday, 8AM until 4PM at: 952-873-3113. You may also e-mail us at: info@respyro.com.