

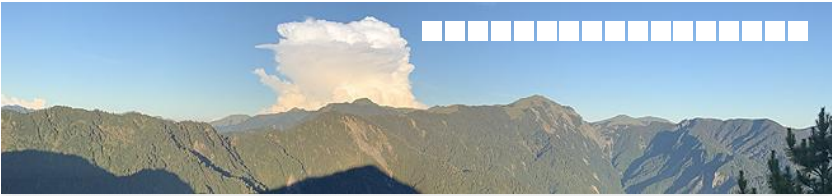


Category

- SWITCH
- SOCKET
- INDICATOR
- SENSOR
- ELECTRO-MODULE
- BREAKER
- FUSE HOLDER
- FUSE
- ENCODER
- POTENTIOMETER
- CONNECTOR
- WIRE HARNESS
- NEW PRODUCT

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[Home](#) > [Our Product](#) > [J1 Series Smart Ignition Switch](#) > [J1 Series Smart Ignition Switch](#)

ELECTRO-MODULE / SMART IGNITION SW

J1 Series Smart Ignition Switch
Ignition switch for civil usage electronic
detonator programmable chip module
for safety control

Detachable electronic detonator technology
Applications only for civilian usages like in the mining,
quarrying, and construction industries.
Electronic detonators have a better precision for delay
Programmable control & entering the password to start
Wireless remote electronic detonation available



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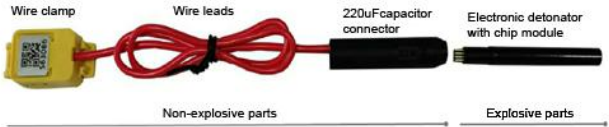
Feature

- Delay time setting range and minimum time: 1~60000ms, 1ms
- Delay accuracy: <0.15%
- Wire tensile strength: 19.6N
- Waterproof test: 7 meters underwater for 24 hours
- Antistatic ability: Pin to pin (20kv/2500pF/0.5Ω), pin to body (30kv/2500pF/0.5Ω), without spark
- Water resistance: 0.7Mpa for 72 hours in saturated brine
- Tensile resistance: 4kg pulling force released suddenly for 2 minutes, 10kg pulling force released slowly for 2 minutes
- Bending resistance: 50N, 180 angle of gravity
- Anti-drop performance: 10m free fall and guided fall without explosion
- Impact resistance: 2kg hammer from 1200mm height hits the detonator without explosion
- Anti-radio frequency: 80MHz~2GHz, 10V/m or 250mA, without explosion
- Temperature resistance: 100°C for 4 hours without explosion
- Storage temperature: -40°C ~ +85°C/-40°C ~ +85°C
- Application: detonators can be used in most surface mining applications but are particularly suitable for small and medium opencast coal mines, quarry & underground aggregate industries, and for construction.

Specification

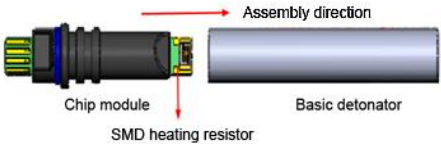
New detachable electronic detonator

It can be divided into two parts, the electronic basic detonator and the blasting wire with a built-in capacitor, which are assembled by a fool-proof quick-plug structure when in use (see the figure below).

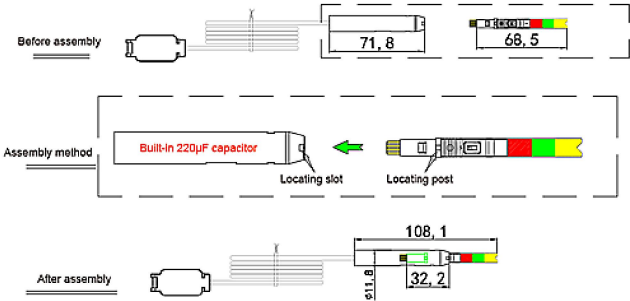
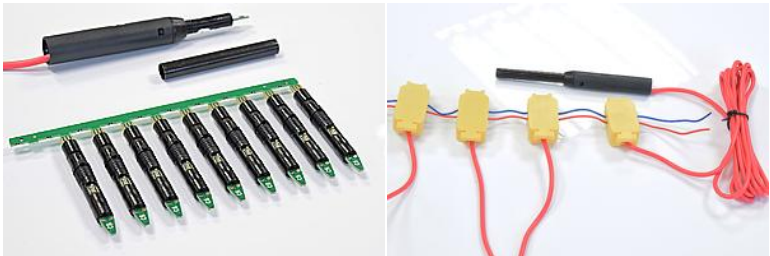


Electronic detonator ignition principle

Using the "high-power chip heating resistor" to directly ignite the "powder-free technology" of the primer reduces the inefficient and complicated processes such as ignition powder in the production process. The power of SMD heating resistor is 5~10 times that of the ignition bridge wire of the ordinary electronic detonator. Cooperate with high-power ignition capacitor. It can directly detonate primary explosives such as DDNP and nickel hydrazine nitrate.



Item



Electronic detonator assembly drawing

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