

# REMOTE CONTROLLED EXPLODER ATLAS 400 RC

Three receiver units  
Security key  
Rechargeable battery  
Certification Ineris EMF10MA4001



## REMOTE CONTROLLED EXPLODER ATLAS 400 RC

**ATLAS 400 RC** is an electronic remote controlled exploder, designed for firing electric detonators. It consists of one control unit and 1 to 3 receiver units.

### Control Unit

The control unit allows the remote control of the receiver units by the mean of a secured encrypted communication protocol.

The user can select the receiver unit he wants to control. The front panel displays the status information of the remote receiver unit : battery voltage, radio transmission status, capacitor voltage, health check, continuity of firing line...

The firing sequence consists of several steps in order ensure the user's safety. Each step is clearly indicated by a light on the front panel : safety delay, arming, charging and firing.

#### TECHNICAL DATA

Aluminium housing IP65  
150 x 108 x 42 mm, 750 g approx.  
Power supply : integrated batt. NiMh  
Operating time : 7 hours approx.  
Radio : 869 MHz, 0,5 W  
Up to 3 receiver units



### Receiver Units

The receiver units, numbered from 1 to 3, include all the circuitry for line continuity test, charging and firing. The firing line is connected to safety sockets by the mean of clip on lead safety plugs.

The front panel informs the user about the operation of the device (status, firing sequence...), it includes a TEST button for line continuity testing and a DELAY button which starts the safety delay.

The receiver units includes many safety levels : safety keys, secured encrypted transmission protocol between control and receiver units, safety delay, permanent shunt on the line, automatic discharge of the capacitor, monitoring of capacitor voltage, monitoring of the operation by a dedicated microcontroller...

#### TECHNICAL DATA

Aluminium housing IP65  
150 x 108 x 42 mm, 750 g approx.  
1 firing line with integrated line test  
Charging voltage : approx. 90 V  
Stored energy : approx. 5 J  
Charging time : approx. 3 s  
Power supply : battery NiMh  
Operating time : 7 hours approx.  
Radio : 869 MHz, 0,5 W  
Range : 2500 m (direct sight)

