

“Sunflower” OKO M4.7 (2032/2477)

General Features

- Stand alone Explosive device initiator
- Self powered
- Self contained (Shrink Tubing enclosed)
- Activated by change in magnetic field with tuneable magnetic field change level and interval
- Attaches to an igniter or electronic match
- Igniter/electronic match attachment via detachable screw terminal
- Sources an electronic pulse over 1A for a minimum of 2 milli-seconds at initiation.
- Low Power Mode for conserving battery voltage
- Dual side (High and Low) active power path connection eliminates accidental static discharge
- Operator safety features and tuneable target detection sensitivity
- Timer based self-destruction feature
- Low Battery detection and self destruction
- Capable of air deployment / remote mining

Specifications

- Physical Dimensions: 70 x 30 x 14 mm
- Weight: 19g (CR2032), 28.5g (CR2477)
- Battery: 3 Volt battery on-board (CR2032/CR2477 3V Lithium battery)
- Status LEDs: Green, Red, and Yellow
- Operational Battery Life: CR2032 = 17 Days, CR2477 = 62 Days
- 3.08mm detachable pluggable screw terminal connector allows for pre attaching electronic match/warhead prior to mating with initializer
- Output Voltage Range: 4.4 – 6.25V (using charge pump)
- Output Storage Capacitor: 2000 μ F
- The device's sensors can detect infantry at a distance of up to \approx 0.75 meters and vehicles moving at speeds up to 60 km/h at a distance of up to \approx 2.75 meters
- Small red plastic tab with string to allow for at distance power on (safety feature)
- Steady State collection and detection algorithm
- Self Destruct Timer (17 or 62 days – version specific)
- USB type micro-B connector for programming via Android application (From version 8.0 +)
 - Seperate Programming Board required*
- Parameter programming / modifications to adjust for magnetic field detection, and steady state timeout (safety timer).
- Programmable “Delay Before Fire” function
- Fine tuneable magnetic field sensitivity
- Optional: External Battery Pack for extended battery life
 1. 30 Day Battery Pack (2*CR2032)
 2. 100 Day Battery Pack (2*CR2477)
 3. 175 Day Battery Pack (2*AA Batteries)

Status LED Patterns

Green	Red	Yellow	State
OFF	OFF	OFF	Unit is ready to fire and dangerous, or is powered off (if red pull tab is inside)
Slow Blink	OFF	OFF	Unit is in Power On state, T1 Timer has begun, and is safe to move
OFF	Slow Blink	OFF	Unit is collecting steady state data and checking for steady state, safe to move
OFF	Fast Blink	OFF	Last Warning – 30 seconds of red fast blinking and then the unit is ready to fire. It is recommended to not move or touch the unit in this state.
OFF	OFF	Slow Blink	Low Battery Warning. Please replace battery.
OFF	OFF	Solid	Extremely Low Battery Detected - Low Battery Self Destruction Initiated. Turn off the device immediately and replace the battery. The yellow LED will remain solid for 30 seconds, then the red LED will fast blink for 30 seconds, then explode immediately.