



# FireFly II and FireFly II S

[ Highly sensitive motion alarm ]

## Application

The MSA FireFly II and FireFly II S are signal and warning instruments that were developed for the fire service.

Specifically recommended by the American Firefighters Association, the FireFly II has been used for years with success by American and British fire services. The device is especially suited for work in tunnels, survey teams or repair services.

Generally the FireFly II is suitable wherever a person enters a potentially dangerous situation where he possibly cannot be observed by other persons.

Hence, the instrument is also used in the chemical industry, water treatment installations, power plants and gas companies, as well as with watchmen.

Further applications are for persons working alone, e.g. in canals and tunnels, during tank cleaning, in high rack warehouses or in silos.

Also for search teams looking for injured mountaineers, skiers or forest workers the FireFly II is a loud searching aid that cannot be overheard.

The FireFly II S [key version] is designed for team work with an operations center [e.g. using the tally board 10050271].

Prior to starting work, all keys are collected at a central location. A tag on a key ring can be used to record data like name, starting time, work site, etc.

Thus the operations center has control over the number of persons in action at all times and can search for possibly injured workers quicker and more effectively.

## Design and Functioning

The FireFly II has a robust and watertight housing which can be attached to the waist belt or shoulder strap and is activated with a slide switch.

The instrument has three LEDs which light up alternatively and indicate proper functioning.

The FireFly II S differs from the FireFly II by a key that is pulled out to activate the instrument.

Both devices have a highly sensitive motion alarm. In case the user does not move for 20 seconds, a prealarm sounds for 7 seconds. In order to prevent a false alarm, the user only needs to move his body. If he does not move, the full alarm sounds after 7 seconds.

This full alarm has a level of 95 dB [measured at a distance of 3 m!] and will sound for approx. 5 hours with a fully charged battery.

On both instruments the full alarm can also be turned on manually with the slide switch. A discharged battery is indicated by a short beep signal that is repeated every 5 seconds.

## Advantages

- > 5 hours full alarm at 95 dB
- Manual switching of alarm possible
- Very light and small
- Easy and simple to attach
- Robust, watertight housing
- Visible battery check [even in direct sunlight]
- Audible warning at battery discharge
- Maintenance-free

## Approval

The FireFly II and II S are certified according to ATEX:  
⚡ II 1G EEx ia IIC T4. Manufacturing is according to  
BS 5750 Part II/ISO 9002.

## Ordering Information

D6002715 FireFly II

D6002100 Instructions for Use II  
[included with instrument]

D6002720 FireFly II S

D6002120 Instructions for Use II S  
[included with instrument]

D6002050 Spare key for FireFly II S

D0013349 Alkaline battery, MN 1604 9V for Ex protec-  
tion [for both instruments]

## Technical Data

### Dimensions:

FireFly II		FireFly II S	
Width	58 mm	Width	58 mm
Height	97 mm	Height	85 mm
	[incl. slide switch]		[without key]
Depth	51 mm	Depth	51 mm

**Weight:** 215 g [incl. battery]

### Audible signal:

95 dB [at 3 m distance]

**Frequency:** 2.6 kHz to 3.0 kHz

**Prealarm:** 2 signals/second at reduced noise level

**Full alarm:** 4 signals/second at full noise level

### Function indicator:

3 LEDs [every 3 seconds]

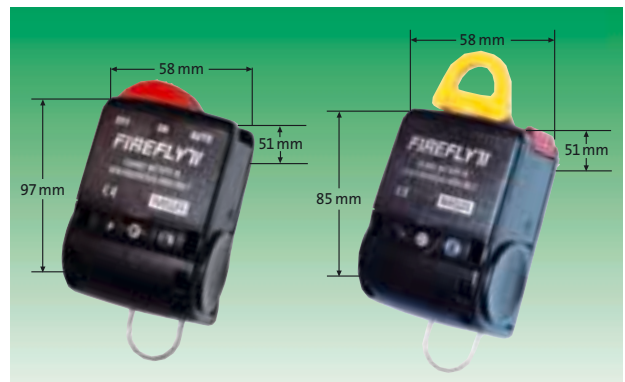
**Battery:** alkaline, 9 Volt [Rayovac Vidor MN 1604,  
Duracell MN 1604, Varta type 4022/8022 or  
Energiser type GLR61]

### Housing material:

polycarbonate

### Motion sensor:

patented, semisolid sensor



*Respiratory protection from MSA:  
compressed air breathing apparatus, compressed air line  
equipment, chemical oxygen apparatus, full face masks,  
half masks, filter cartridges, escape respirators, filter self-  
rescuers, high pressure compressors for breathable air.*

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