

# Flash

## Personal Emergency Alarm System



### FLASH™ – THE SOUND SOLUTION FOR PERSONAL SECURITY

Ensuring staff safety has long been a hot-button issue in many institutions. But if protecting your people is your day-to-day responsibility, you need solid solutions, not just slogans.

That's why more and more leading institutions are turning to Flash as part of their overall safety program. Flash is a small, affordable system that transmits an instantaneous signal when someone in your facility needs assistance. It has quickly become standard issue for correctional officers, attorneys, caseworkers, instructors, contractors - anyone whose health could be threatened by a physical assault, sudden illness, or accident.

### HELP AT THE TOUCH OF A BUTTON

The Flash Emergency Alarm System uses reliable radio frequency (RF) technology that alerts your security personnel when a staff member is in trouble. Its transmission device is small enough to wear comfortably on a belt, but powerful enough to send an instantaneous distress signal when someone presses its alarm button. Then, sensors in your facility identify the signal and a computer in your control room displays the transmission device's unique ID number, the name of the device user, or the facility location to which the device is assigned.

Flash's proven reliability and automated diagnostics virtually eliminate the need for costly maintenance. It's so trouble-free that you might forget it's there. But with Flash, your staff members have the protection their jobs require and the peace of mind they deserve.

### HIGH RELIABILITY, LOW COST OF OWNERSHIP

Flash provides coverage indoors and outdoors with unrivaled reliability. It uses a standard computer based system to acknowledge and clear alarms. It's so easy to install and activate that your facilities maintenance staff can handle it with no special training.

### UNINTERRUPTIBLE SIGNAL

Flash is designed to operate in a concrete and metal environment, so building materials, smoke, heavy clothing, or human interference never interrupt its signal. And because it operates on a licensed frequency in the Public Safety band, it is protected from interference from other radio signals - now and in the future.

High reliability

Low cost of ownership

Supports more than 4,000 unique IDs

Covers stairwells and corridors

Uninterruptible signal

Modular system supports facility expansion and added staff

Rugged package

Internal antenna

Protective holster

No line-of-sight requirement

## FLEXIBILITY FOR THE FUTURE

The Flash Emergency Alarm System is modular, so you can add more signaling devices and sensors as your needs change and staff grows.

Do you want audible alarms in selected zones? A touch-screen interface on your computer? No problem with Flash. And you can always upgrade your system to our Flare® Emergency Locating System, which provides the added benefit of an accurate locating capability.

## PERSONAL PROTECTION DEVICE (PPD)

The Personal Protection Device (PPD) is a belt-worn radio frequency transmitter used by persons who might need to signal for assistance in an emergency situation. It is part of both the Flare Emergency Locating System and the Flash Emergency Alarm System. Pressing a button on the device causes an alarm. Lanyard (pull-pin) and man-down options can be added.

A leather holster provides protection for the PPD and secures it to the user's belt. The belt loop on the holster contains special fasteners that cannot be opened by tugging on the holster, but can be released easily by the wearer to remove the holster from the belt.

## SPECIFICATIONS

### PERSONAL PROTECTION DEVICE (PPD)

#### Environmental and Physical

*Size, excluding holster:*

- 120 x 50 x 25 mm (4.7 x 2 x 1 in.)

*Weight including holster and battery:*

- 200 g (7 oz)

*Temperature Range:*

- -40°C to +50°C (-40°F to +122°F)

*Humidity:*

- 0% to 90% non-condensing

*Enclosure:*

- Black ABS plastic
- Tamper resistant screws

*Battery Cover:*

- Four tamper resistant screws

*Holster:*

- Black leather with belt loop and snaps

#### Electrical & Alarm Transmission

*Battery:*

- 9 Volt alkaline
- User replaceable

*Battery life:*

- One to two years

*Low battery warning:*

- Alarm to head end computer

*Battery life after low battery warning:*

- At least 15 days

*Antenna:*

- Internal (optional external)

*Frequency range:*

- Operates in the international public safety band: 420 to 470 MHz
- Reprogrammable to meet local frequency allocation guidelines:  
Canada: 420 to 450 MHz  
U.S.A.: 450 to 470 MHz  
Other Countries: As required

*Frequency within band:*

- Factory programmable

*Data Encoding:*

- FSK

*Transmission Range:*

- 1 km (0.6 mi.) line of site
- 100% coverage in prescribed areas

*ID code:*

- Programmable for each PPD with programmer (ordered separately)

*ID code range:*

- 4,000+ codes

#### Man-Down Option

*Tilt angle to generate alarm:*

- 40 degrees to 65 degrees
- Field programmable

*Tilt time to generate alarm:*

- 5 seconds to 20 seconds
- Field programmable

*Man-down alarm reset option:*

- After single alarm
- When PPD is righted
- When reset switch pressed

## TRANSMITTER PROGRAMMER

*Connection to Transmitter:*

- 457 mm (18 in.) cable connects to header beneath battery cover

*Connection to Computer:*

- 1.82 m (6 ft.) RS-232C cable

*Software:*

- CD ROM with manual

*Software Platform:*

- Windows® 98, 2000 or XP

*User Programmable Functions:*

- ID code
- Man-down time and angle
- Man-down reset option

\* Specifications subject to change without prior notice.



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