



FIRE **APPLICATION NOTES**

Subject: Fire Fighting (Urban Environment)

Introduction:

The role of firemen extend beyond that of actual fire fighting, being key assets in the management of natural disasters, industrial emergencies and accident rescue. In these hazardous operational environments the SEE - BLITZ can add to the safety of personnel in the areas listed below.

- **Personal Locator Beacons**

The SEE - BLITZ can be worn as a **PLB** and in this way help manage and track personnel on site.

- **Breathing Apparatus**

The use of Breathing Apparatus invariably mean smoke filled or obscured spaces where an unconscious or injured fireman is at great risk.

The intensity and pattern of a SEE - BLITZ flash can give positive visual location. When mounted on the harness next to the air bottle, the light can be seen even if the person is lying on their back. This would increase the effectiveness of the acoustic alarms which can be subject to echo and background noise.

- **Escape Path Marking**

SEE - BLITZes can be used to identify a safe outward and return path to a fire front / hazardous area. Additionally the Trip Plate feature can be used to conserve battery power by having a common line which runs along the marked path attached to each unit's trip plate. When the illuminated path is required the line is pulled, gang activating all the lights.

***Green is the most effective colour in this application, giving high contrast to the white red and yellows of a fire.**

- **Safe/Danger Area Marking**

This aspect is dealt with more fully in the Application Note on " Detection of Physical Displacement / Movement." Briefly, trip barriers can be set up so that entry into a zone activates a SEE - BLITZ and alerts the person concerned. The SEE - BLITZ can be placed next to a notice so that the light will draw attention to the message on the notice board. The trip line can be arranged so that the line is hit before incursion takes place so that the signal is in front of the observer and not to the side.