How Does the ARM Staff Attack System Work?

PASSIVE MODE

In passive mode the BeltClip units transmit an Infra-Red data burst approx. every 5 seconds. Receiving Wall/Ceiling location units will then re-broadcast the "BeltClip ID" and "Location" to the System, to update the Tracking Log.
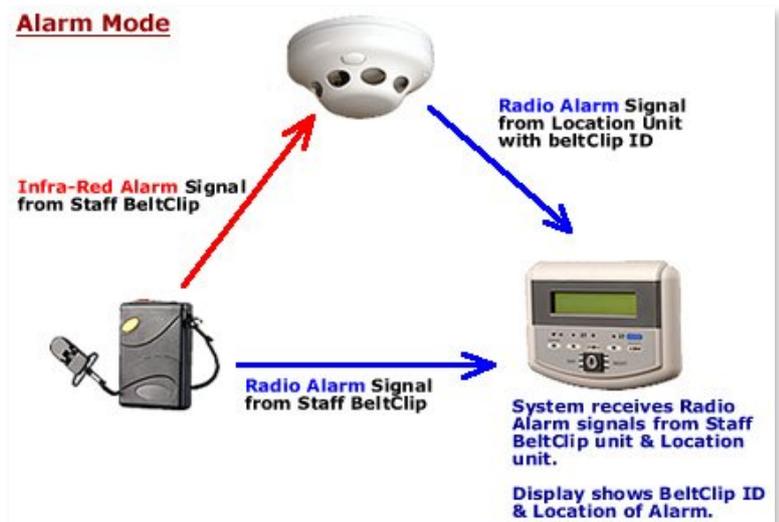


Normal Operating Mode
This is constantly updated as the member of staff moves about the building.

ALARM MODE

When a BeltClip is activated, it transmits both Infra-Red and Radio alarm signals.*

The Infra-Red alarm signal is received by the local Ceiling/Wall location unit. The Ceiling/Wall location unit then transmits a Radio alarm signal to the System.

The Radio alarm signal from the BeltClip unit is also transmitted directly to the System.

Alarm Mode

The System displays the BeltClip ID, Alarm Type & Alarm Location. This information can be relayed to other display units around the building or direct to staff pagers/DECT handsets.
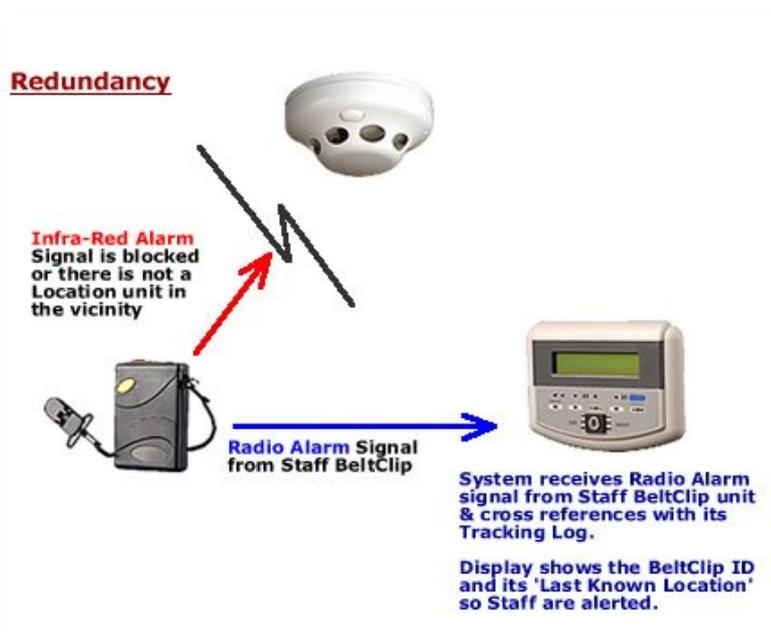
If the incident moves into other areas covered by Ceiling/Wall location units, the new location will be updated.

 *DuoComm version only

REDUNDANCY

Utilising 2 technologies (Infra-Red & Radio) to raise an alarm provides the User with a level of redundancy.

for example:  if a BeltClip unit is activated in an area not covered by a Ceiling/ Wall location unit or the Infra-Red signal was masked, then the alarm would not be raised.



**Redundancy**

**Infra-Red Alarm Signal** is blocked or there is not a Location unit in the vicinity

**Radio Alarm Signal from Staff BeltClip**

System receives Radio Alarm signal from Staff BeltClip unit & cross references with its Tracking Log.

Display shows the BeltClip ID and its 'Last Known Location' so Staff are alerted.

Using our DuoComm Technology, even if the Infra-Red signals are not received by a location unit, the BeltClip's Radio signal is still transmitted directly to the System. Redundancy
In this event the System cross references the tracking log and raises the alarm with the Last Known Location of the BeltClip. This is depicted by the letters "LKL" after the alarm location, so Staff are aware it was the last place the BeltClip was seen.

If the Infra-Red alarm signals from the BeltClip are unmasked or moved within the vaccinity of a location unit, the System will update the location of the alarm.

Whether you need to protect just one person working alone or a group of people within a work place, the ARM Staff Attack system is an ideal solution for even the most demanding of situations.

   * Wall mounted units can also be incorporated into the system to provide fixed alarm points.

   * For Lone Workers a Man Down facility and Auto Dialler can also be incorporated into the system.

   * The BeltClip units are also available as an Infra-Red only or Radio only version; however there is no redundancy with these models.