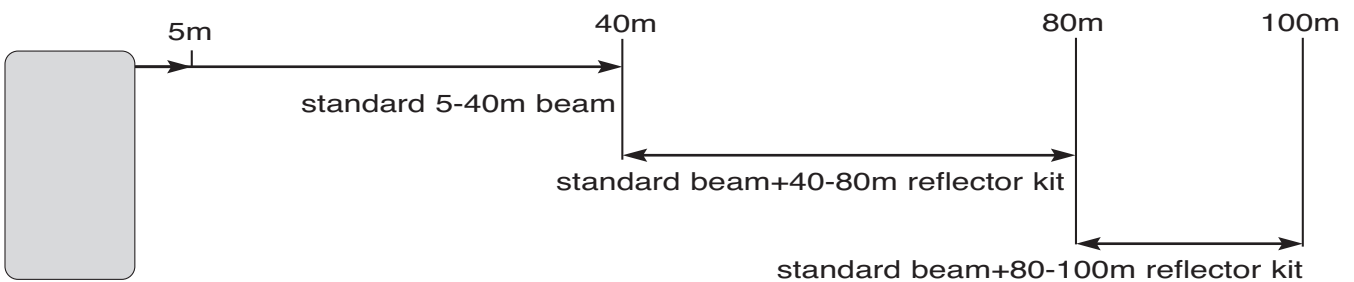


distance & positioning guidelines

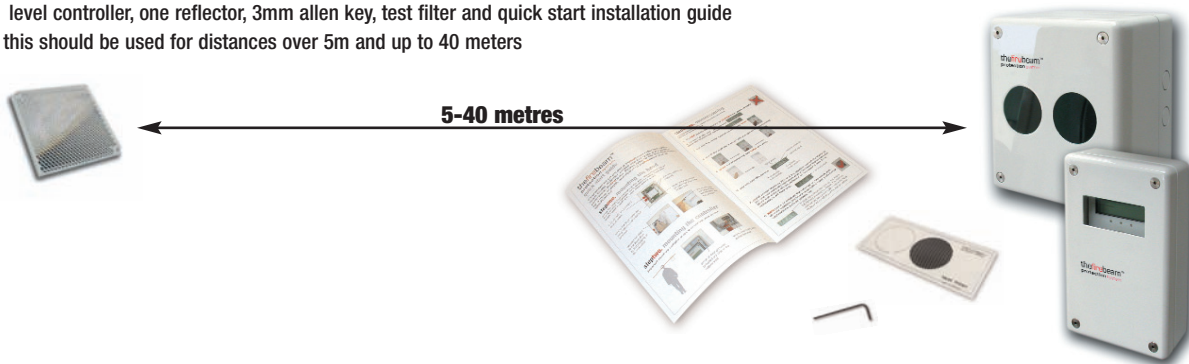
these guidelines are given as a guide only and it is important that you refer to your appropriate governing standards at all times.

what distance?

The standard fire beam will be suitable for distances of over **5m** to **40m** to the reflector. If you require **40m** to **80m** you will need to use the mid range reflector extension kit. For ranges of **80m** to **100m** you will require the long range reflector kit.

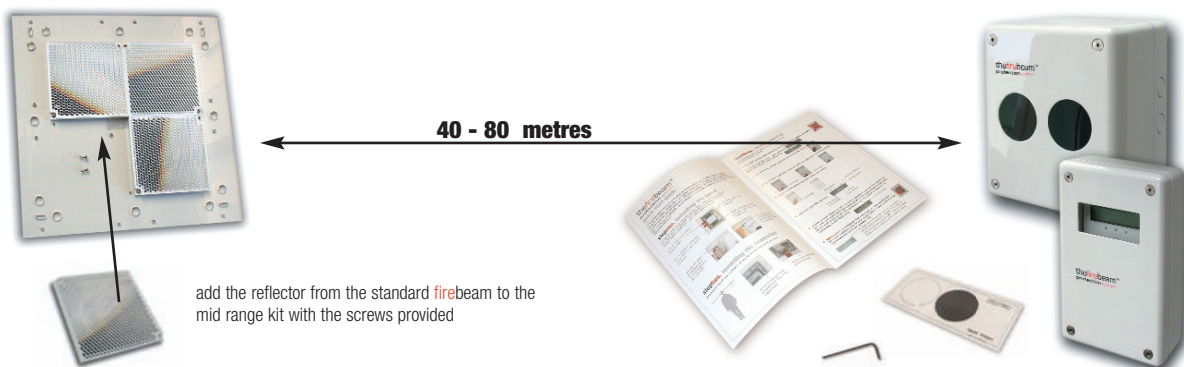


5-40 metres the standard firebeam The standard firebeam comes boxed with the head unit, low level controller, one reflector, 3mm allen key, test filter and quick start installation guide this should be used for distances over 5m and up to 40 meters



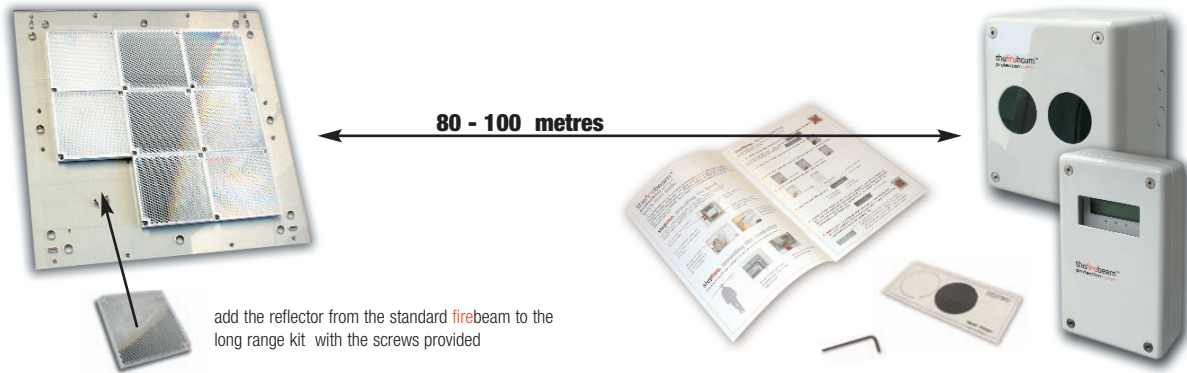
40 - 80 metres = the standard firebeam + mid range 40 to 80m kit

for distances Of 40 metres to 80 meters you will need to use the standard firebeam and a mid range extension kit (the mid range kit comes with a backing plate and 3 extra reflectors, you will need to add the reflector from the standard kit to the mid range kit with the screws provided)



80 - 100 metres = the standard firebeam + long range 80 to 100m kit

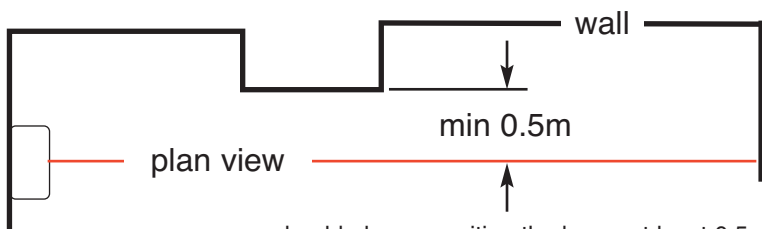
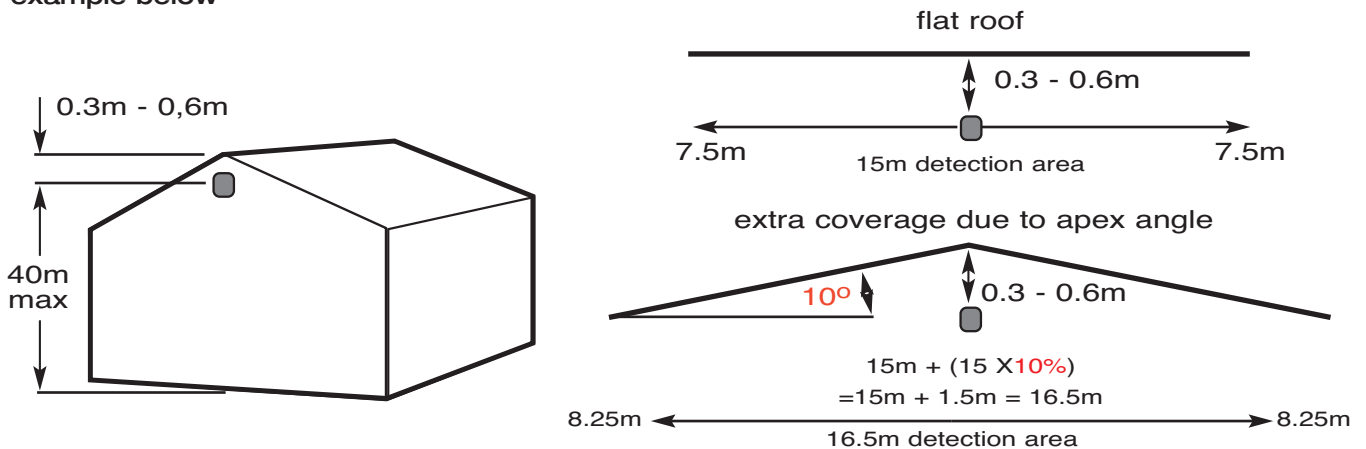
for distances of 80 metres to 100 metres you will need to use the standard firebeam and a long range extension kit (the long range kit comes with a backing plate and 8 extra reflectors, you will need to add the reflector from the standard kit to the long range kit with the screws provided)



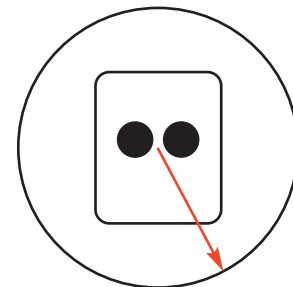
what position?

A roof is considered flat unless the height of the apex is greater than 0.6m. If the roof is flat the firebeam system can be placed anywhere under the roof between 0.3m and 0.6m below the roof, up to a maximum height of 40m from the floor. The firebeam has a detection area of 7.5m either side of the beam.

If the roof is considered to have an apex, place the firebeam system 0.3m to 0.6m down from the top of the apex, up to a maximum height of 40m from the floor. The maximum protected area either side of the beam can be extended by 1% for every degree of roof pitch, see the example below



you should always position the beam at least 0.5m away from any protrusion



field of view should be a 50cm radius from the centre of the beam head

Always mount the firebeam system on a solid construction that is unlikely to flex
Mount over 2.7m from floor level to avoid to people walking through the beam, and consideration should also be given to the possibility of obstruction by fork lift trucks and the like.

Avoid pointing the head into direct sunlight.