ePIR EE900 Series User Tips

Auto LED (LED Automatic Cut Off Arrangement)

ePIR-EE900 series unique Auto LED function automatically disable LED indicator (Auto Walk Testing Mode/AWTM) after walk test by setting LED Jumper at AUTO position before power on (Fig.1). After power on with warm up period (20-45sec), this function presets with 30 minutes auto cut-off window time period for walk test and can be extended by continuous movements.

Set the jumper at AUTO position is **highly recommended for high secure purposes of anti-disclosing the detection profile, such as coverage, sensitivity, and dead angle, etc**. UL installation and some European countries require LED indicator to be turned off in normal operation/after walk test. Also, the flashing of LED is annoying in bedroom, office, and other private spaces.

According to statistical analysis, a significant percentage of break in cases are miss detected due to intruders take advantage of LED indication status which been easily had recognized the detection profile in advance with further thief planning. Therefore, keep LED indication function in normal operation will reduce the protection level, sometimes, it has potential risk too.

For traditional PIR motion detector, installers need to disable the LED indication function manually after walk test which is very inconvenient and can be easily bypassed after installation. Therefore, in most cases, detection profile is not protected properly.

Auto LED with AWTM has total benefits such as reduce installer's workload, minimize human error, increase security performance, and maintain a comfortable environment.

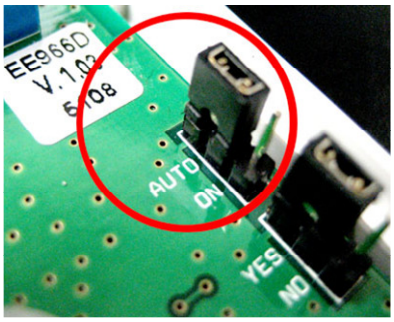


Fig.1(EE966D as an example)

Enable LED (Without Open Cover to select jumper)

Walk test is recommended at least once a year for annual inspection. LED can be enabled by resetting ACP/AUX 12VDC-power (same as resetting fire device-smoke detector) through reset mode on keypad (Fig.2), or momentarily disconnecting AUX power from ACP terminals (Fig.3), or individually directly shining to LED indicator within 6~12 inch with any type of flashlight or laser pointer (Fig.4).

Fig. 2

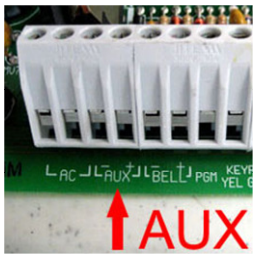


Fig. 3

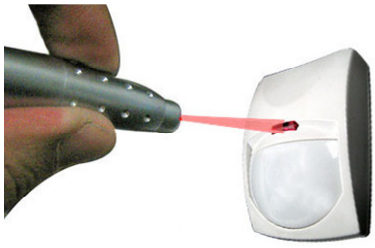


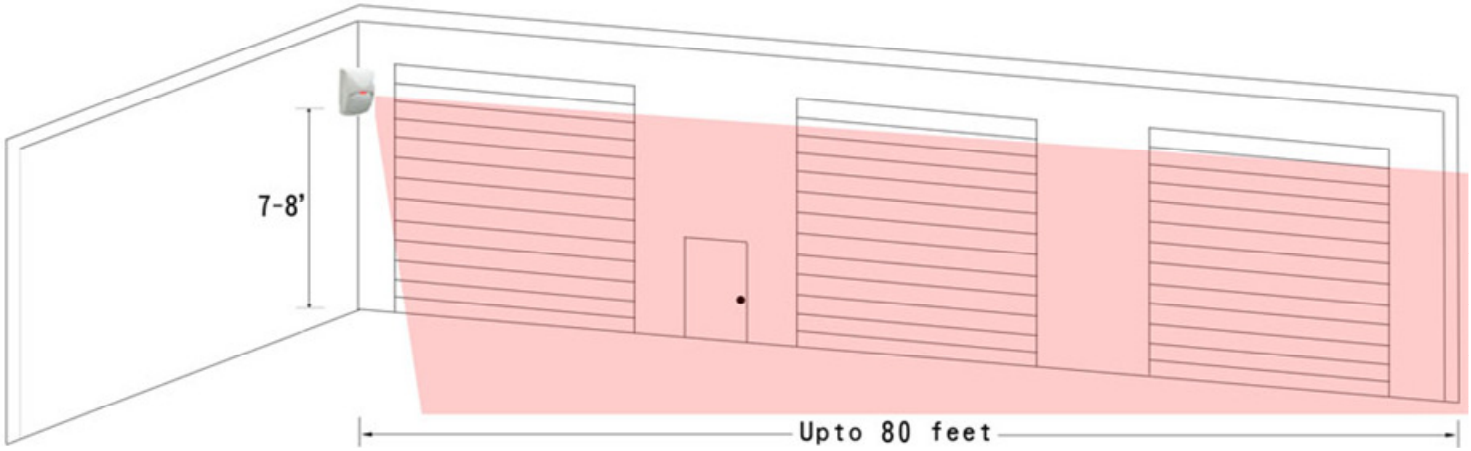
Fig. 4

Long Range Curtain Lens (EE966LRCL as an example)

This setting is a protection enhancing arrangement or an existing/traditional overhead door contact setting replacement. Its range up to 80 feet plus with same mounted high adjustment.

Recommended applications:

1. Warehouse rolling door section;



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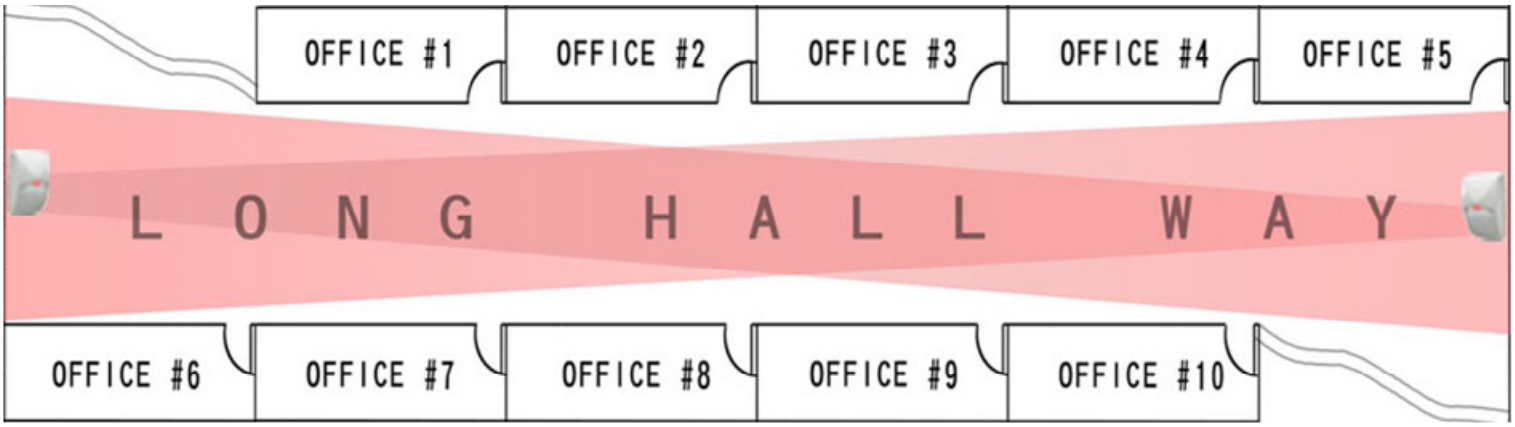
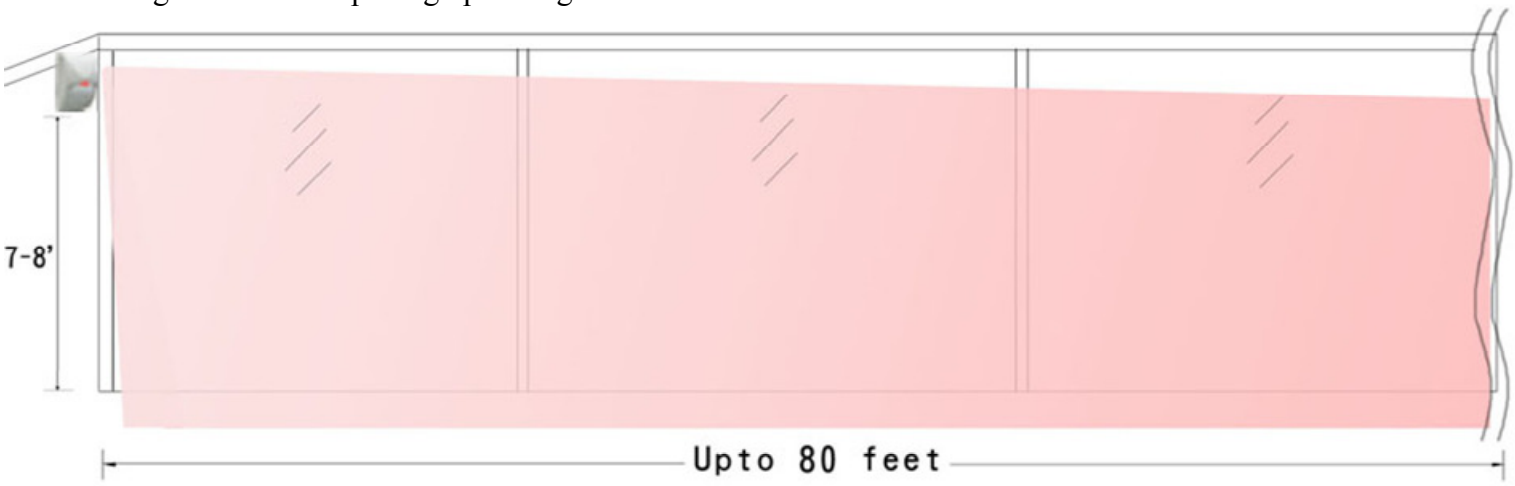
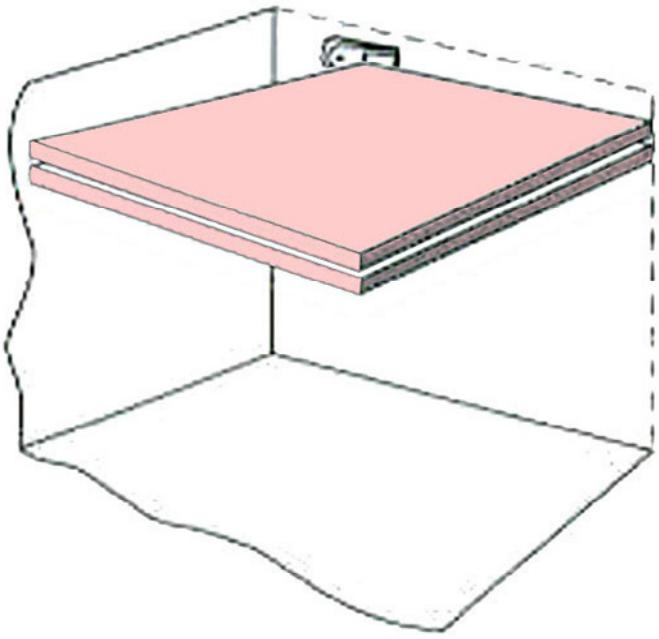
2. Long hall way area;

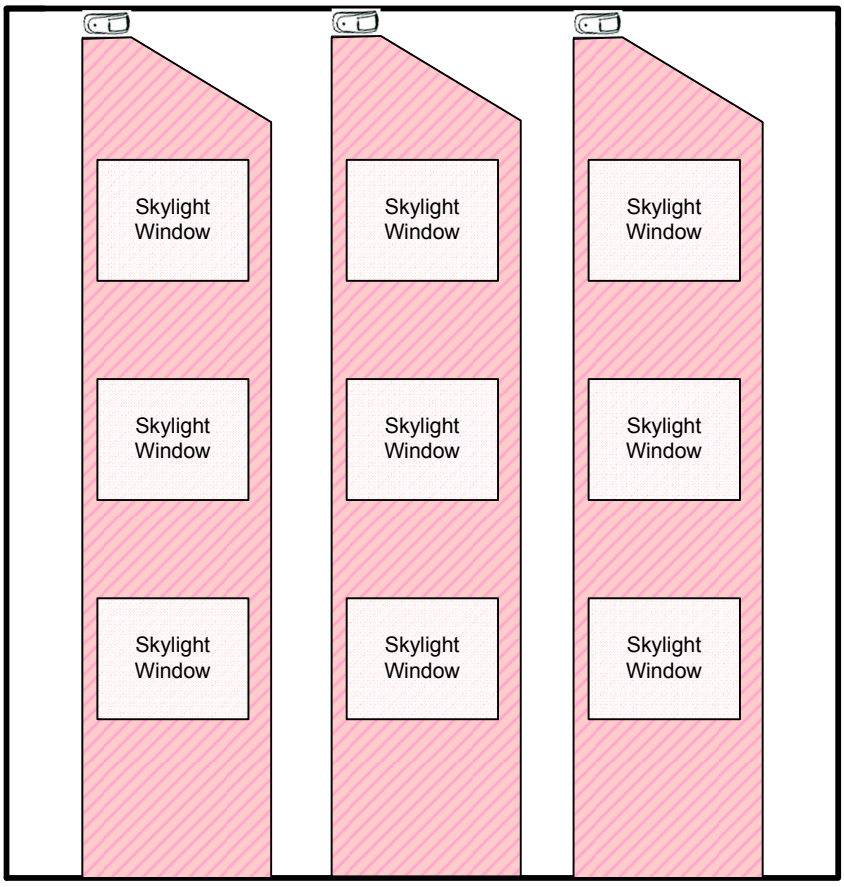


3. Large size or multiple high profile glass doors & windows.



4. Skylight Area

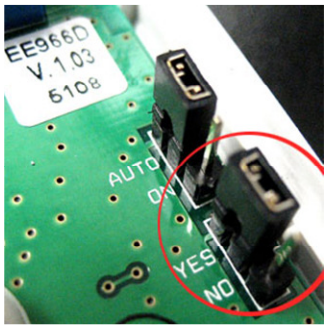


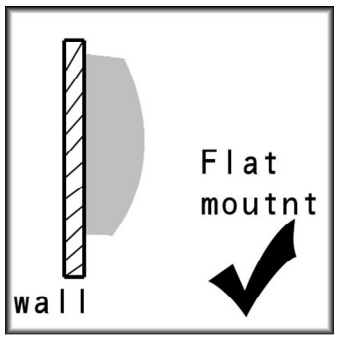


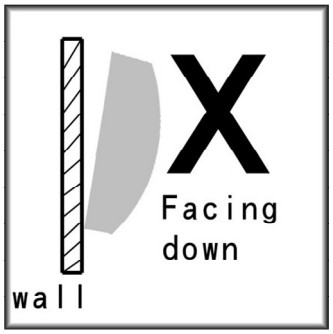
Ceiling top view w/ skylight windows

Pet immunity

Up to 65lbs pet immunity, can be multiple pets. If jumper set at "NO", the unit still has immunity under "30lbs / 10kg" ability. The detector **must be flat mounted** without any facing down angle between 7ft and 8ft, for better immunity, it should be mounted as close to 8ft as possible.







RFI Case reference

Up to 2GHz RF immunity capability.

A residential alarm end user complained that his alarm system always had false alarms. After field investigating, the alarm company discovered that this customer's neighbor was a radio enthusiast who has a high power, wide band and long-range radio station at home with big ANT-Tower. Once the radio started transmitting, it would trigger PIR detector and lead to false alarms. The alarm company replaced this customer's PIR detector with differnet kinds of PIRs. The false alarm problems still unresolved until they install ePIR/ EE966D. After that, this user had never complained the false alarm problems.