



High Mount Outdoor Detector

# **HX series**

OPTEX developed a unique brand-new pyro-element to achieve high reliable detection performance.

It provides multiple pattern detection area with 94 highly density detection zones and accurate discrimination function for spot temperature changes of moving objects.

# High reliable outdoor detector with brand-new pyro-element

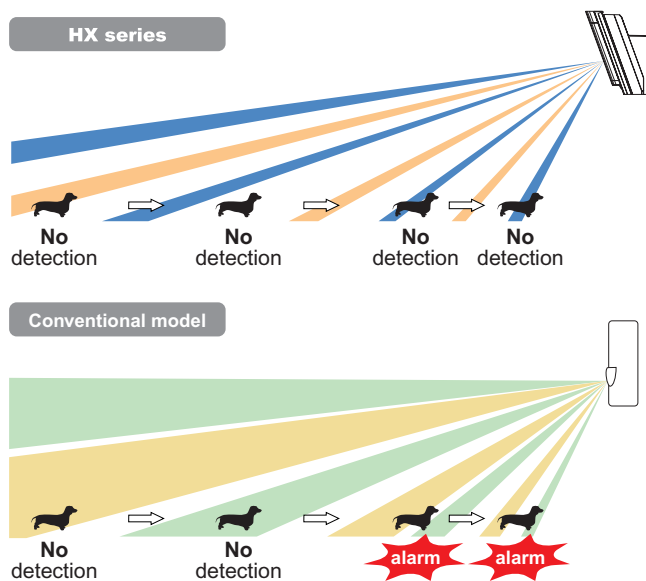
## HX series

High Mount Outdoor Detector



### ● Intelligent AND logic

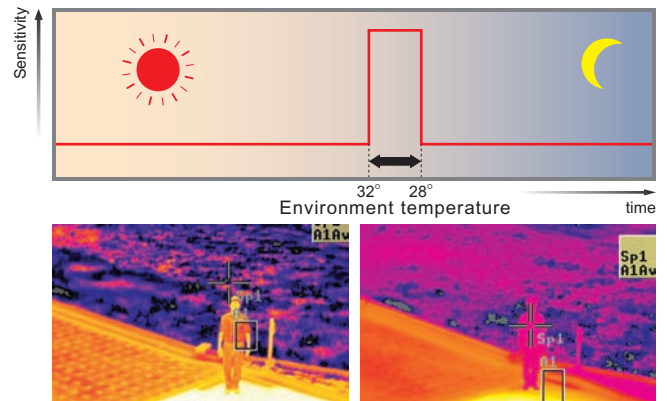
The HX-40 series utilizes AND detection pattern technology – upper and lower detection areas have to be activated in order to generate an alarm condition. This original area configuration prevents false alarms caused by pet or small animals.



### ● Summer night compensation logic

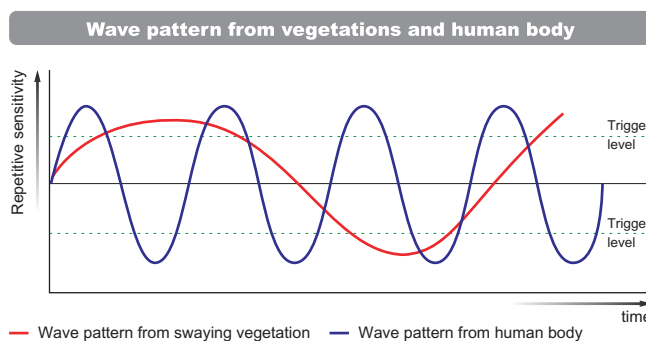
Summer evenings/nights and areas which are in shade can create environments where the difference between human body and the surrounding ambient temperature can be at its lowest point. Under these conditions the potential for a missed alarm can be greatly increased. The HX series addresses this issue by the additional measurement of luminance levels as the environment changes.

The integration of temperature and additional luminance analysis provides the HX series with the ability to more accurately assess true environmental conditions and allows sensitivity to automatically sharpen as environmental conditions require. This combination greatly reduces the potential for missed alarms, whilst maintaining stability.



### ● Vegetation sway analysis logic

The HX-40 series monitors wave changes at all the times and then automatically cancels the signal caused by swaying grass when it determines the increase of this distinctive wave changes.



### ● Digital anti-masking [AM only]

HX-40AM automatically optimizes the anti-masking technology to match changing environmental conditions, delivering consistent, reliable performance.

The initial setting of anti-masking is automatically optimized by environmental changes.

