AMN - Standard Detection Type





Small lens diameter of only 9.5mm

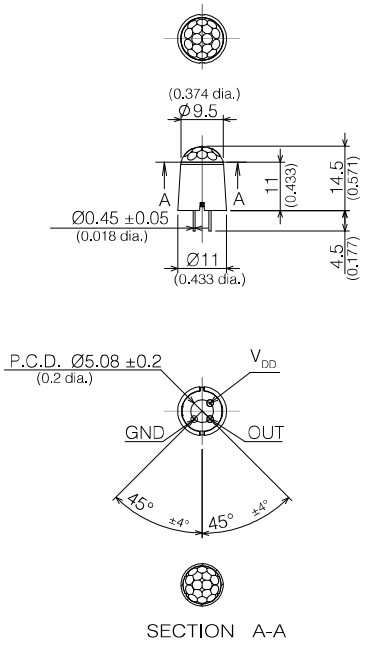
Specified detection distance (Note 1)	up to 5m
Typical ceiling installation height (Note 2)	3m
Field of view	120° x 106°
Detection zones	64
Note 1: › ΔT ≥ 4°C › Object speed: 1m/s › Object size: 700 x 250mm › Crossing 2 detection zones	Note 2: The sensitivity of passive infrared sensors is influenced by environmental conditions, so a performance evaluation test under representative conditions is recommended

Typical applications

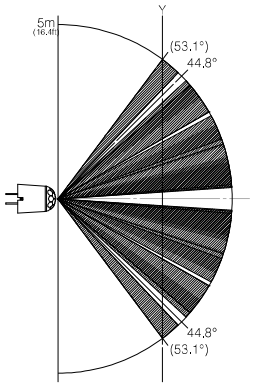
- Lighting controls
- Heaters
- Ventilators and air conditioners
- Multi-functional printers

Further information on electrical characteristics please see page 22

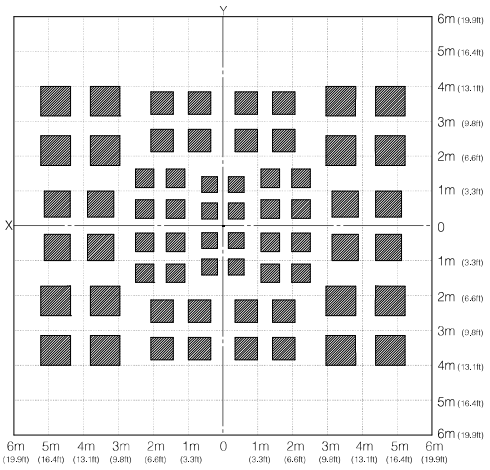
Dimension (in mm, inches in brackets)

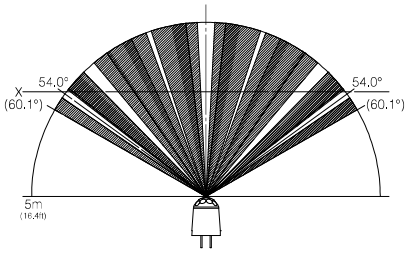


Detection area



X-Y cross section at 3m (9.8ft)





Notes	Standby current consumption	Output type	Sensitivity	White	Black
NaPiOn 2nd generation	170µA	Digital (open drain)	Standard	AMN31112	AMN31111

Note: The specification shows the X-Y cross section at 2.5m.

AMN - Slight Motion Detection Type



Optimized for small movements

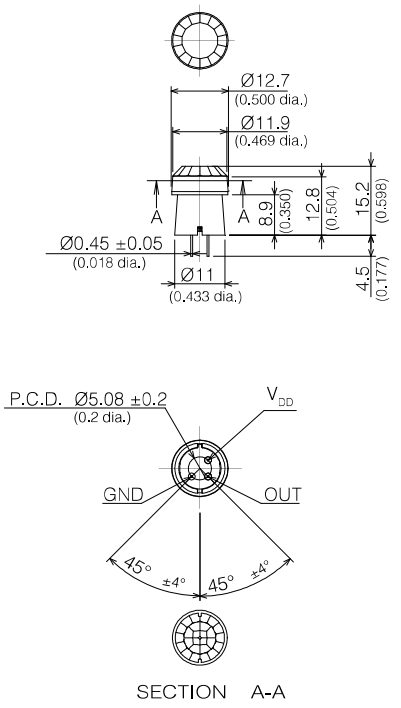
Specified detection distance (Note 1)	up to 2m - 3.3m
Typical ceiling installation height (Note 2)	3m
Field of view	107° x 106°
Detection zones	104
Note 1: › ΔT ≥ 4°C › Object speed: 0.5m/s › Object size: 200mm x 200mm › Crossing 1 detection zone	Note 2: The sensitivity of passive infrared sensors is influenced by environmental conditions, so a performance evaluation test under representative conditions is recommended

Further information on electrical characteristics please see page 22

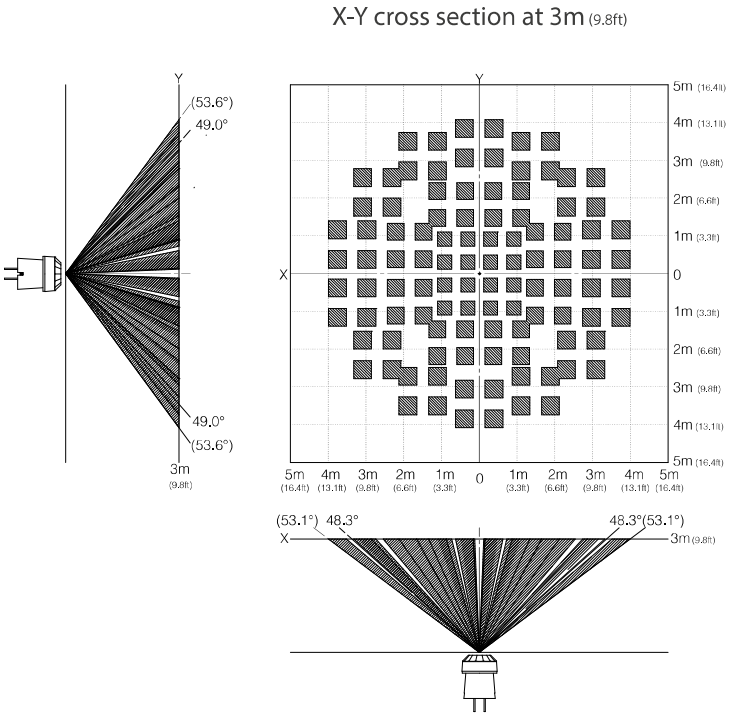
Typical applications

- Lighting controls
- Heaters
- Ventilators and air conditioners
- Multi-functional printers

Dimension (in mm, inches in brackets)



Detection area



Notes	Standby current consumption	Output type	Sensitivity	White	Black
NaPiOn 2nd generation	170µA	Digital (open drain)	Standard	AMN32112	AMN32111

Note: The specification shows the X-Y cross section at 2m.

AMN - Spot Detection Type



Flat lens

Lens diameter 8.9mm

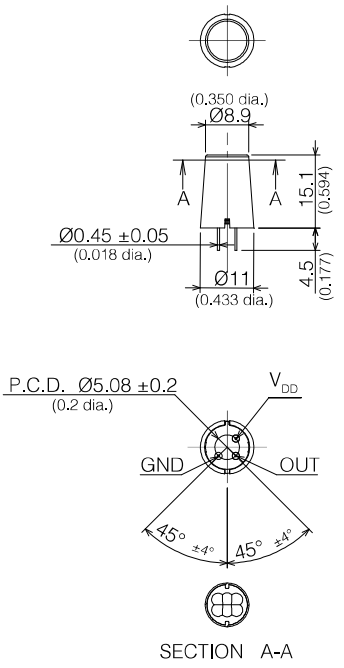
Specified detection distance (Note 1)	up to 5m - 5.6m
Typical ceiling installation height (Note 2)	5m
Field of view	57° x 42°
Detection zones	24
Note 1: › ΔT ≥ 4°C › Object speed: 1m/s › Object size: 700 x 250mm › Crossing 2 detection zones	Note 2: The sensitivity of passive infrared sensors is influenced by environmental conditions, so a performance evaluation test under representative conditions is recommended

Further information on electrical characteristics please see pag 22

Typical applications

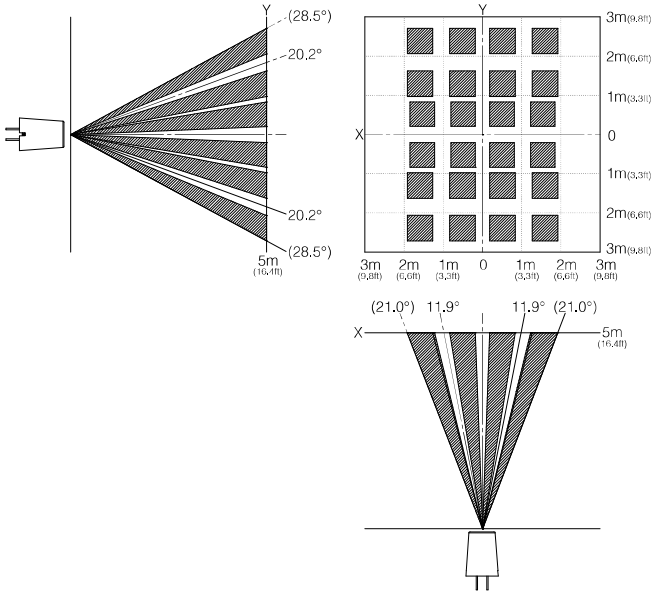
- Vending machines
- Multi-functional printers
- Intrusion alarm sensors for windows and doors
- Digital signage

Dimension (in mm, inches in brackets)



Detection area

X-Y cross section at 5m (16.4ft)



Notes	Standby current consumption	Output type	Sensitivity	White	Black
NaPiOn 2nd generation	170µA	Digital (open drain)	Standard	AMN33112	AMN33111

AMN - 10m Detection Type (long distance)



Specified detection distance (Note 1)	up to 5 - 10m
Typical ceiling installation height (Note 2)	5m
Field of view	120° x 107°
Detection zones	80

Note 1:
- ΔT ≥ 4°C
- Object speed: 1m/s
- Object size: 700 x 250mm
- Crossing 2 detection zones

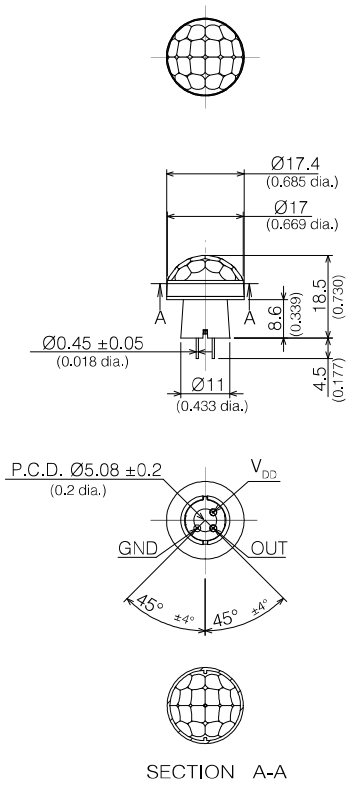
Note 2:
The sensitivity of passive infrared sensors is influenced by environmental conditions, so a performance evaluation test under representative conditions is recommended

Typical applications

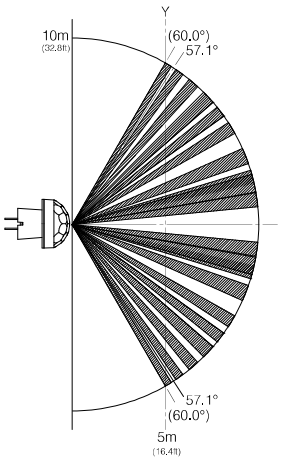
- Lighting controls
- Heaters
- Ventilators and air-conditioners

Further information on electrical characteristics please see page 22

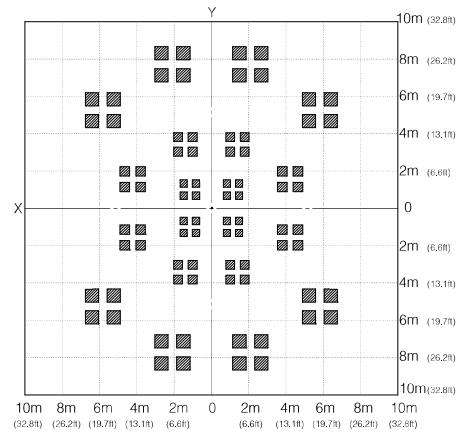
Dimension (in mm, inches in brackets)

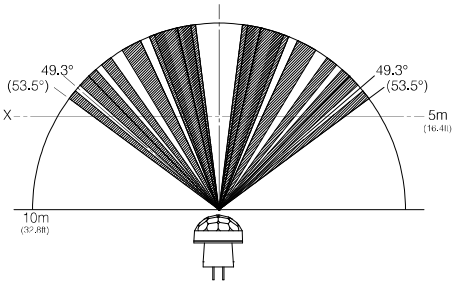


Detection area



X-Y cross section at 5m (16.4ft)





Notes	Standby current consumption	Output type	Sensitivity	White	Black
NaPiOn 2nd generation	170µA	Digital (open drain)	Standard	AMN34112	AMN34111