

## Fresnel Lens for Pyroelectric Infrared Sensors

Model : JP-2-IL and JP-2-R

Application with TO-5 package pyroelectric sensors :

- Lighting control switch
- Automatic motion switch
- Home automation
- Air ventilation system
- Others (Human motion detection)

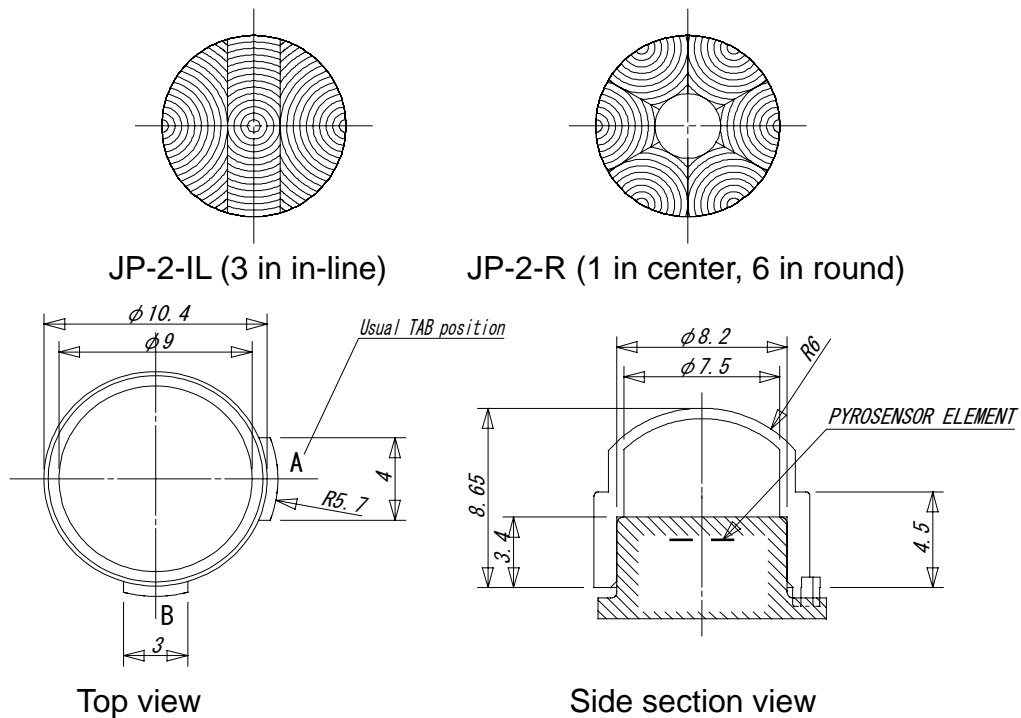
Material : HDPE (High Density Polyethylene)



Features :

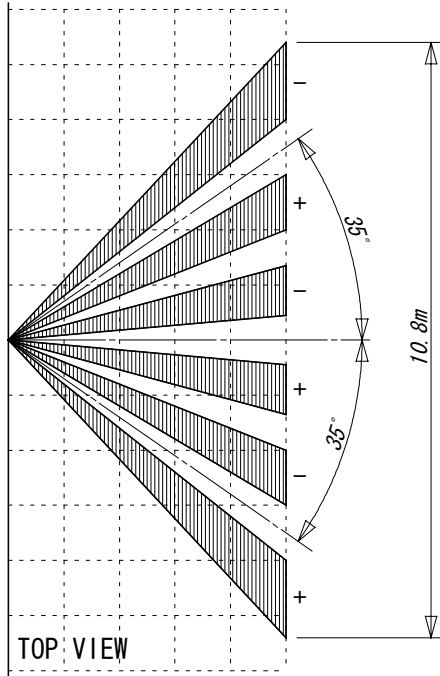
- Compact size, just to fit on the TO-5 pyrosensor header
- Easy install, no focal adjustment needed
- Various colors and Visible light protection materials are possible.
- Accurate and high performance by special Fresnel groove technology

Appearance and Dimensions :

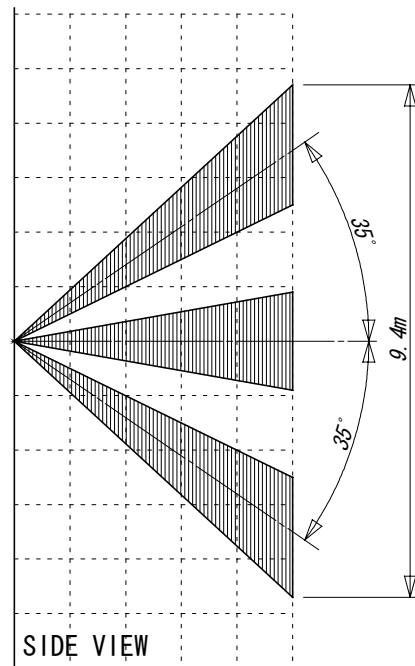
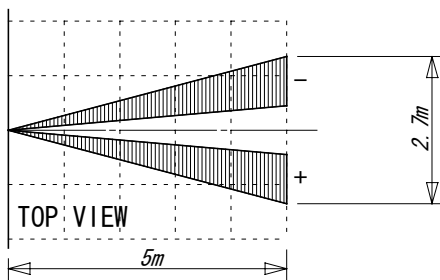
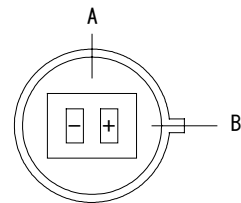
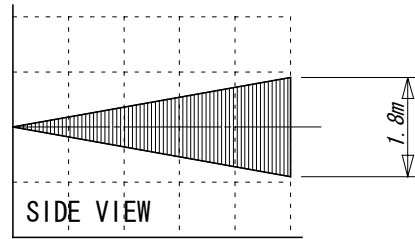
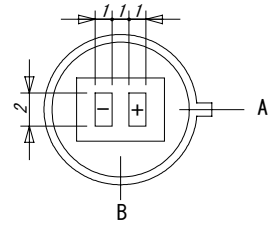


Coverage area of JP-2-IL :

- Element size of pyrosensor : 2mm x 1mm Gap 1mm
- TAB direction : A

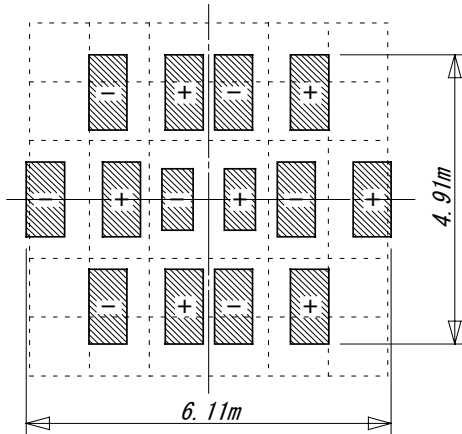
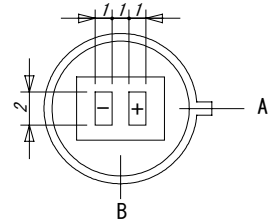


- TAB direction : B

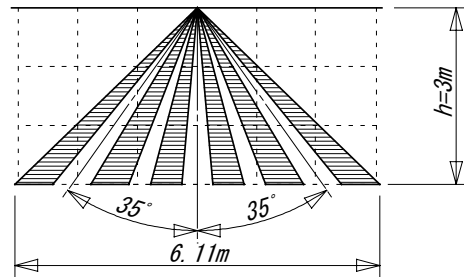


Coverage area of JP-2-R / Ceiling mount :

- Element size of pyrosensor : 2mm x 1mm Gap 1mm
- TAB direction : A

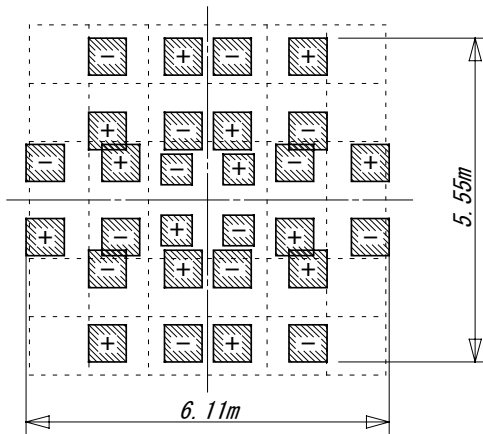
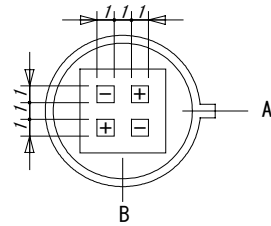


TOP VIEW

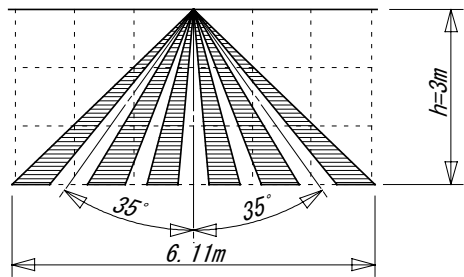


SIDE VIEW

- Element size of pyrosensor : 1mm x 1mm Gap 1mm
- TAB direction : A



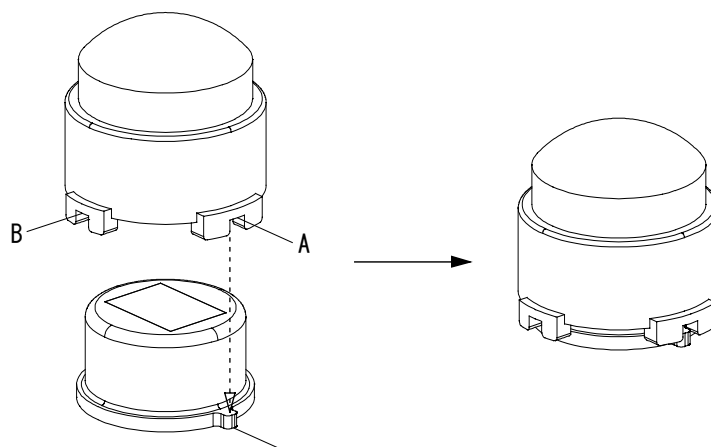
TOP VIEW



SIDE VIEW

## Installation :

- Put the direction of tabs together between JP-2 lens and pyrosensor. ---\*1)
- Select JP-2' tabs of A or B to realize a required detection zones.



- Put the lens until the lens touches to the shoulder of pyrosensor. ---\*2)
- 2 or 3 points Styrene-butadiene (SB) or Epoxy glue is recommended to fix the lens. --- \*3)
- Front cover to avoid moving or drop of the lens is recommended. ---\*4)
- Front cover should have taper not to disturb the detection area of the lens. ---\*5)

