

Cable ø2.5, 2m

13

3.2

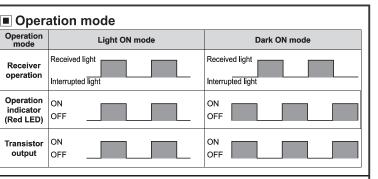
4.6 10.3

<Emitter>

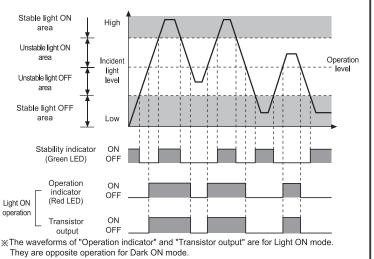
<Receiver

\* This information is intended for product management of through-beam type (No need to refer when selecting model)

The above specifications are subject to change and some models may be discontinued without notice



## Operating timing diagram



## Caution for using

12-24VDC

12-24VDC

±10%

Adjust Up/Down

±10%

1. The sensor will be in a detectable status within 100ms after supply the power. If the power line of the load and the sensor is different, supply power voltage to the sensor first. 2. Shade a strong source of light as like sunlight, spotlight not to be let in the inclination angle range of photoelectric sensor directly.

3. The photoelectric sensor may cause malfunction under the fluorescent lamp light, be sure to use the cover or the shutter to shade the light

4. If photoelectric sensor is installed at flat part, it may cause malfunction by reflection light from flat part. Be sure to put space between photoelectric sensor and ground.

5. When wiring the photoelectric sensor with high voltage line, power line in a same conduit, it may cause malfunction or mechanical problem, please do wire separately or use different conduit.

6. Avoid installing the unit in place with corrosive gas, oil or dust, strong flux, noise, sunlight, strong alkali and acid.

7. In case of connecting relay as inductive load to output, please remove surge by using diode or varistor. 8. Photoelectric sensor cable shall be used as short as possible, because it may cause

malfunction by noise through the cable.

9. When it is stained by dirt at lens, please clean the lens with dry cloth, do not use an organic materials such as alkali, acid and chromic acid.

10. When use switching power supply as the source of supplying power, E.G. terminal shall be grounded and a condenser for removing noise shall be installed between 0V and F.G.

