Datasheet of Infrared Photocells Detector Sensor

(EF-ABO21)

Specifications:

Model No.: EF-ABO21
Technology: Infrared
Receiver range: <15m (range can be reduced to 30% in bad weather conditions of rain, dust, etc.)
Infrared frequency: 1.92Khz
Power supply: 12 to 24V DC/AC
Wave length: 940nm
Input: RX 15MA-TX 30MA
Operating temperature: -20C to 70C
Relay output: 1A max 36V
Dimension: 100X35X40MM

Features:

1.Single beam sensor/single beam detector is used for automatic slide door, coil door , garage door windows etc.
2.Consists of a transmitter and a receiver, and the integrated amplifier can produce infrared beam.
Narrow infrared beam (I or II) can avoid interruption by external light.
3.Even installed at low height (20-40cm from the floor), the detecting distance can also be guaranteed (5-15 meters).
4.The beam produced by Elefine provides a self-detecting function for the sliding doors. Once the self-detecting beam is interrupted, the door will stop closing and reverse rapidly to the utmost width. The door will open until the detecting beam is resumed. When the door completely closes, the detecting beam becomes invalid.

Connecting Sensor:

Installation: The best install height should big in 20 cm, install distance to be no smaller than 2 meters. Install should make red outside the protection equip perpendicularity to place, and is on-line at same level. When together at always line, receive the OFF light in the machine in order to put out, then fix, connect the line to install completion namely.
Attention: Because this product shoot power compare big, so when shoot machine with receive the machine distance too near hour will appear have no the phenomenon of the reaction, at this time should drawback them one meter at least behind again try. When Install distance very near, discover not intelligent phenomenon, can shoot and receive medium of the condensing lens remove, can immediately raise an intelligent degree.

Mounting Sensor:

Rotation through 180 allows the alignment of the photocells irrespective of the way they are fixed to the base.