

IRB-4X

INFRARED MODULATED PHOTOCELL

IRB-4X

- LED alignment indicator on the receiver simplifies installation.
- Supervised relay output provides a "detect" signal in case of power failure.
- Non-reflective through-beam system is not affected by shiny surfaces.
- Modulated infrared beam is not affected by sunlight, rain, dust or dirt.
- Wide transmission angle of 24° simplifies installation and increases the reliability of operation.
- Wide temperature operating range for applications from cold storage to steamy food prep areas.



APPLICATIONS

The IRB-4X photocell is used as a safety, reversing, or opening device in conjunction with automatic operators. The IRB-4X will work with any control board that accepts dry contact in the input. This easy to install reliable photocell is used with garage doors, rolling doors, parking barriers and other equipment.

HOW IT WORKS

The IRB-4X transmitter and receiver are mounted in line of sight at a distance of up to 75 feet. When the infrared beam is broken the internal relay is de-energized and detection signal is produced on the relay contacts. The red LED indicator on the receiver is lit when the IRB-4X receiver is not aligned or when the beam is interrupted.



The IRB-4X works without lenses so it is easy to align. Making it less sensitive to fog, dust, snow & sunlight!

EXTEND TIMER OPTION

This option is available in the IRB-4X-T model. The delay is activated after the beam was broken and the detect signal was issued by the internal relay. The delay extends the detect signal after the beam is re-established, so in effect, the detect signal is extended beyond the presence time of an obstruction between the IRB-4X receiver and transmitter. The extend time is adjustable by a potentiometer in the range of 0 to 15 seconds. (SEE D-1)

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