

# PHOTOELECTRIC BEAM SENSOR

## PR-11B

Outdoor 3.3 to 36ft (1 - 11m)

Indoor 3.3 to 49ft (1 - 15m)



# TAKEX<sup>®</sup>

### Outdoor and Indoor Sensor

The newly developed PR-11B is suitable for both indoor and outdoor use.

### Features

- **EASY INSTALLATION**

As wiring is needed only on the sensor unit, you can use it in places where it is difficult to wire on two sides. One side wiring makes it possible to save time and cost of installation.

- **BOTH INDOOR AND OUTDOOR USE IS AVAILABLE.**

This sensor can be used both inside and outside. 2 types of attenuation sheets (for indoor and outdoor) are supplied.

- **EASY BEAM ALIGNMENT**

Beam alignment is adjusted at the sensor side only. When adjusting beam alignment, utilise view finder, attached attenuation sheets and alarm LED.

- **EXTERNAL LIGHT PROTECTION**

Trouble-free condition in 50,000 lux illumination fluctuation is assured by external light compensation circuit and filter, specially designed, that cuts visible rays effectively. Excellent tolerance against sunlight, automobile headlights, fluorescent light or mercury light.

- **ROTARY OPTICAL SYSTEM**

Using the adjustments, the lens can move horizontally ( $\pm 90$  degrees) and vertically ( $\pm 10$  degrees) allowing the unit to work in all directions.

- **RESPONSE TIME ADJUSTMENT**

Response time can be adjusted by the response time adjustment potentiometer.

- **EASY OPERATION CHECK**

Alarm LED (red) allows quick operation check.

- **OPTION ACCESSORIES**

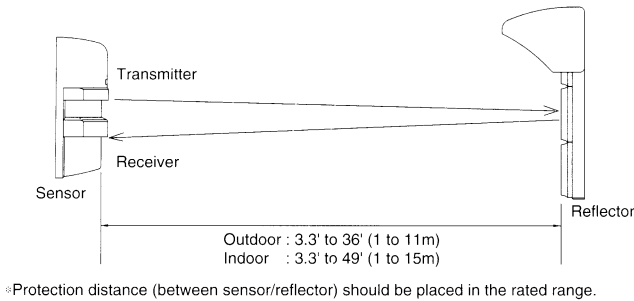
L bracket fittings (BL-11) are available for reflector mounting. BP-60A pole attachment is available for sensor and reflector.

# Specifications

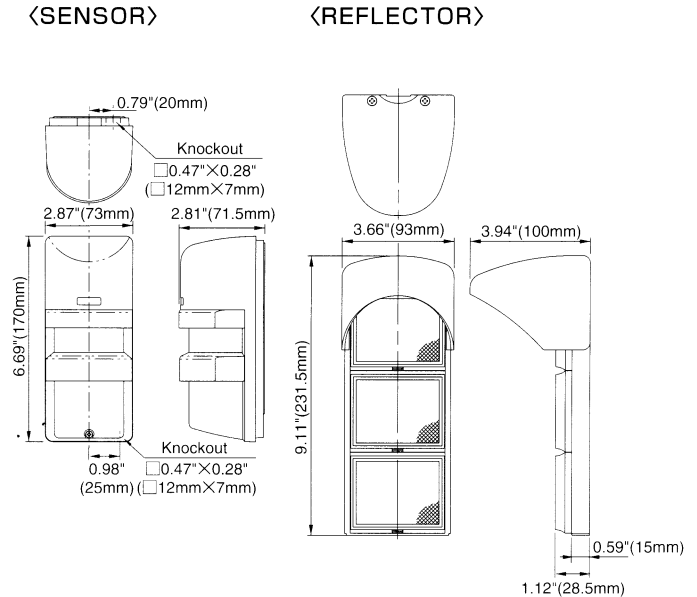
Model	PR-11B
Detection System	Near infrared beam interruption system. (reflective)
Detection Area	Outdoor: 3.3 to 36ft (1 to 11m) Indoor: 3.3 to 49ft (1 to 15m)
Power Supply	10.5V to 30V DC (non polarity)
Power Consumption	55mA or less
Alarm Output	Dry contact relay from N/O-N/C Contact capacity: 30V (AC/DC) 0.5A or less Relay operation: Interruption time (minimum 2 seconds)
Tamper Output	Dry contact relay 1b (N/C) Action: Activated when cover is detached Contact capacity: 30V (AC/DC) 0.5A or less
Response Time	0.05sec to 0.7sec (adjustable by potentiometer)
Alarm LED	Red LED ON: when alarm is initiated
Attenuation LED	Red LED ON: when beam is attenuated
Functions	Monitor output
Ambient Temp. Range	-13°F to +140°F (-25°C to +60°C)
Mounting Position	Outdoor/Indoor
Wiring Connection	Terminals
Weight	Sensor: 15oz (430g) Reflector: 17oz (490g)
Appearance	Sensor: PC resin (wine red) Reflector: Acrylic resin (clear), AES resin (black)
Accessories	L Bracket fittings (BL-11): Available for reflector mounting. BP-60A pole attachment: Available for sensor and reflector.

Due to ongoing product improvements, specifications may change without notice.

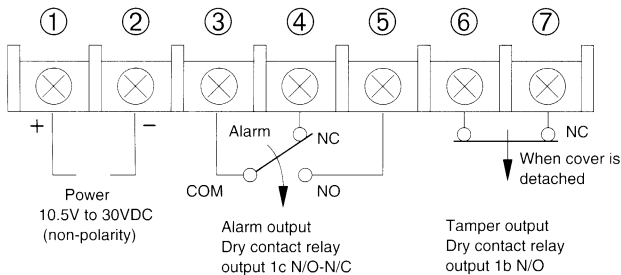
## Detection Area



## External Dimensions



## Terminal Configuration



**Note:** This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary-preventing device. TAKEX is not responsible for damage, injury or losses caused by accident, theft, Acts of God (including inductive surge by lightning), abuse misuse, abnormal usage, faulty installation or improper maintenance.



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