

# PHOTOELECTRIC BEAM SENSOR

CE

PR-5B Indoor 5m



Utility model: 1, Design: 1 — Registered  
Utility model: 1 — Pending

*The popular PR-5B reflector beam is now available in a white enclosure for a more unobtrusive installation. Furthermore, this new version is enhanced with extremely high immunity to external light.*

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#### REFLECTOR BEAM FOR SHORT DISTANCE PROTECTION

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The PR-5B is designed for applications where a "beam break" sensor is desirable but running wire to both ends is impractical. Suggested applications include entrances and exits, corridors, staircases and as an annunciation device.

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#### COMPACT SIZE AND SMART DESIGN

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Super slim, pocket calculator sized unit is designed for unobtrusive installation. Its new white enclosure blends well with virtually all environments.

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#### EXCELLENT EXTERNAL LIGHT IMMUNITY

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Our original design has been further enhanced by the addition of a new special filter which effectively eliminates interference from visible light rays.

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#### EASY INSTALLATION

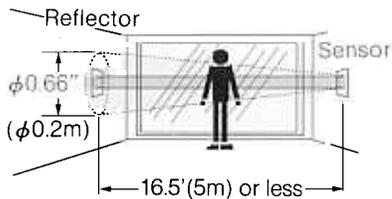
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The reflector allows up to 30°(±15°) angle variance in beam reception/reflection which makes installation very "forgiving" and can aid in situations where it is nearly impossible for the beam to reflect off the mirror "dead center".

- \* Simple terminal arrangement provides for easy installation.
- \* Wide range of supply voltage, 10.5V to 26V DC (non-polarity)
- \* Flush mount plates available for both sensor and reflector (option), BP-5B, BP-5D, BP-5C
- \* "L" brackets available for both sensor and reflector (option). BL-5

# PHOTOELECTRIC BEAM SENSOR

## ■ COVERAGE



## ■ OPTIONAL

- Flush mount plate (for sensor)

BP-5B

BP-5D



- Flush mount plate (for reflector)

BP-5C



- L fittings

BL-5 (Stainless)



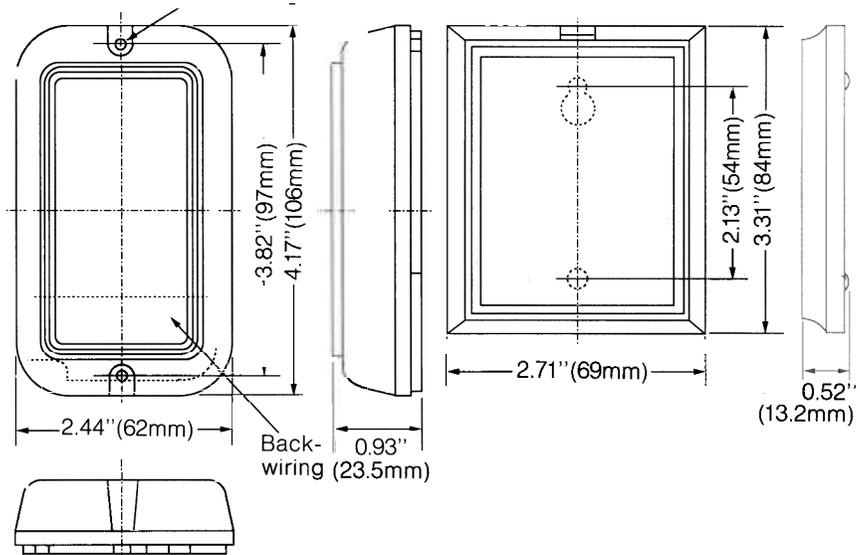
(for sensor/reflector)

## ■ EXTERNAL DIMENSIONS

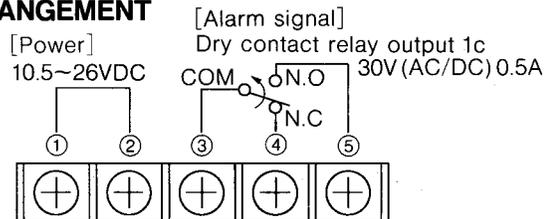
PR-5B

Mounting hole  
2- $\phi$ 3.5 0.14"

PR-5B REFLECTOR



## ■ TERMINAL ARRANGEMENT



## ■ SPECIFICATIONS

|                           | Photoelectric beam sensor  |
|---------------------------|--|
| Model                     | PR-5B  |
| Protection distance       | 16.5' (5m)   |
| Infrared beam             | LED<br>Wave length : 9400Å, Modulation: 500Hz  |
| Response time             | 50-100 msec. or more   |
| Alarm signal              | Dry contact relay output 1c<br>Interruption time + Delay time (approx. 1 sec.)<br>Contact capacity: 30V (AC/DC) 0.5A |
| Supply voltage            | 10.5V to 26VDC (non-polarity)  |
| Power consumption         | 37mA (at 12VDC)  |
| Ambient temperature range | -4°F to +122°F (-20°C to +50°C)  |
| Mounting position         | Indoor (wall/pillar)   |
| Wiring                    | Terminals  |
| Weight                    | Sensor — 3.15 oz(90g), Reflector — 1.75 oz(50g)  |
| Appearance                | ABS resin (white)  |

Please Note : This sensor is designed to detect intrusion and to initiate an alarm, it is not a burglary-preventing device. PULNiX 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.