

IR-BEAM SENSORS

PB-80HD

PB-80D is a Dual Synchronized Beams sensor (twin beam). The Twin Beam ensures minimum false alarm possibility against falling leaves, birds, small animals etc. The working distance of PB-80D is 80 meters. This beam sensor comes with laser beam alignment function which reduces the installation time and along with that increases the workability of the device. The Beam sensor comes with built-in Optical Viewfinder for easy and quick alignment. One more notable feature of this beam sensor is Automatic Gain Control (AGC) Circuit for precision. Other features include Weather proof Anti-rain, snow, dew, mist, frost design mounting brackets, Pole Clips etc.

The protection distance (between Transmitter / Receiver) should be placed in the rated range.

PB-80HD 80m (260 ft.) 2.4m (8.0 ft.)



Features

- Reliable Perimeter security and protection.
- Laser beam alignment function.
- Twin beam: Minimizing false alarm, for falling leaves, birds, small animal--etc.
- Weather proof: Anti-rain, snow, dew, mist, frost--etc.
- IP-55 water proof.
- Automatic input power filtering.
- Easy, quick installation.
- N.C. / N.O. Alarm output.
- N.C. Tamper switch.
- Non-polarized power input.
- Interruption time adjustable.

Technical Specifications

Model	PB-80HD
Protection Range(Outdoor)	270'(80m)
Protection Range(Outdoor)	540'(160m)
Power consumption	47mA 56mA 60mA 62mA
Power supply	10~ 30VDC (Non-polarity)
Detection System	Simultaneous breaking of 2 beams
Response time	50msec ~ 700msec(variable)
Alarm output	Contact capacity:NC / NO. 1A / 120VAC
Tamper output(Tx&Rx)	Dry contact relay:NC. Contact capacity:1A / 120VAC
Alarm LED(receiver)	Red LED-ON:when transmitter and receiver are not aligned or when beam is broken.
Signal LED(receiver)	Yellow LED ON:when receiver's signal is weak or when beam is broken.
Power LED(transmitter)	Green LED ON:Indicates connected to power
Laser wavelength	650nm
Laser output power	<5mW
IP Rating	IP-55
Alignment angle	Horizontal:±90° , Vertical:±15°
Operating temperature	-13°F(-25°C) ~ 131°F(+55°C)
Weight	1.1kg
Appearance	PC Resin

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