

## BD-100



### Beam Detector

(Family- Intrusion)

#### Product Description:

Beam Detector use invisible light to scan a defined area. The transmitter emits a beam of light into the scan zone. The light, which is reflected by the background returns to the receiver, which constantly monitors the scan zone. When a person or object enters the zone the infrared light is interrupted. It then sends a signal to the internal relay, which is wired into the door controls. One variation of this operating mode is called "background suppression". This is when the receiver only detects a change in the reflected light when a person or object enters the scan zone thus causing a reflectance variation of the light, sending a signal to the internal relay.



#### Application:

- Complex
- Bungalows
- Shops

#### Product features & specifications:

- Dual Beams
- Active Photoelectric technology is used
- Tamper Proof
- Digital Frequency Converter is used inside detector
- PC Engg. Plastic Material Housing



Vighnaharta Technologies Pvt. Ltd.  
(formally known as Realty Automation and Security Systems Pvt. Ltd)  
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### Technical Specifications:

General specifications	
<b>Power supply</b>	12 to 24VDC
<b>Power consumption</b>	1W Max.
<b>Response speed</b>	50-700m/Sec
<b>Detection range</b>	100M & 250M
<b>Output</b>	1 PFC Relay Output Tamperproof output
<b>LED indication</b>	Green LED for movement indication
<b>Weight</b>	300gm
<b>Working temperature</b>	-10°C to 55°C

Datasheet version with date (V.2 Oct. 2020)



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