



HPDS - High Performance Doppler Sensor.

Specification



- Range of Detection : Walking person detected at range of 10 to 250m. Detection range depends on the height and angle of inclination at which the sensor is installed, and on the setting of sensor's sensitivity.
- Radial Speeds: 0.2 to 4m/sec (other speeds can be present)
- Standard detection signal: TTL/dry contact/other (upon request)
- Microwave Source and Antenna:
Mode of Operation: CW Doppler
- Frequency: 23.8 to 24.5 GHz

- Beam: Conical, 12°
- Polarization: Circular
- Output Power: 15mW
- Maximal Aperture Power Density: <math>< 5\text{mW}/\text{cm}^2</math>
- Operating Voltage: 10.8 to 16.5 VDC
- Power Consumption: 280mA @ 12 VDC
- Operating Environment:
Temperature: -30° to +60°C
Humidity: 90% @ 37°C
- Dimensions:
Cylindrical, Diameter: 80mm
Length: 140mm
- Weight : <math>< 650\text{gr}</math>