



The manhole cover sensor consists of a gyroscope sensor and a ZETA wireless module.

## Features

- Excellent sensitivity @-132dBm;
- Flexible sensor threshold;
- High protection grade;
- Easy to deploy & Low power consumption.

### Electrical Characteristics

Power supply	2.8-3.6V
Standby current	6uA
Working current	60mA
Tx power	15dBm
IoT protocol	ZETA
Polarization	Vertical
SWR	≤2.0
Frequency band	Default 470-490MHz
Battery	Default 3600mAh
Battery life	>3 years
Sensor sensitivity	Configurable

## Target Applications

- Manhole cover open/close detecting

### Physical Characteristics

Physical size	91*91*25
Packing size	-
Material	ABS
Antenna	Ceramic/PCB/Spring-loaded

### Operational Environment

Working temp	-20°C ~ 80°C
Storage temp	-45°C ~ 85°C
Relative humidity	≤90%
Protection grade	IP67

## Notice

- Stay horizontal when deploying under the Manhole cover.
- Calibration may be required during installation.



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