

# SMARTCOVER®

WE'VE GOT IT COVERED™



## UnderCover®

Infrastructure Entry  
Detection System

UnderCover is a real time, remote monitoring technology used to detect entry for sewer, water, stormwater, utility vaults, and other manhole or lid-accessed spaces. Once the patented sensors are attached to infrastructure, it is both a stand-alone entry detection system or can be used in conjunction with other sensors.

### Who's In Your System?

Detection of authorized or unauthorized opening of sewer manholes is used to manage response information, provide proof of operations, labor accounting and citizen engagement. The visibility also allows you to combat illegal dumping, vandalism, and other security issues.

For use with sewer, water or storm water manholes, utility vaults, and other lid or manhole accessed spaces. Our tamper trigger immediately informs staff when authorized or unauthorized entry is happening -- a real-time alarm is transmitted to field staff who are then able to take appropriate action.

### Vaults, Nuclear Plants & Borders

UnderCover addresses a wide range of remote entry detection requirements across a variety of industries including electric utilities, fiber optic vaults, nuclear facilities, border perimeter security, transportation infrastructure, military installations as well as commercial, construction and industrial sites.

### Field Work Verification

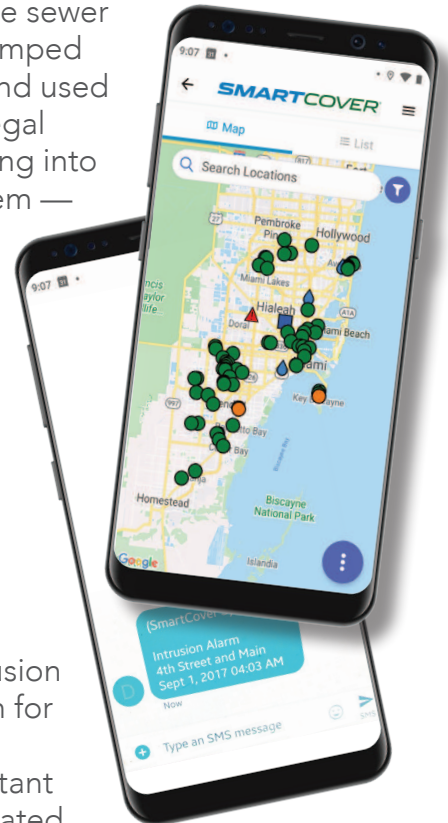
Expedite response to critical issues, and automatically gather accurate response information. This feature provides managers with objective proof of operations, accurate accounting of labor, and reduces incident response costs. This can be used to log and verify maintenance or field work for citizen response reports.

### Illegal Dumping

Our level sensors continuously gather and analyze flow data. When suspicious changes in flow are detected, public works is informed of any intake point. Over time, data from specific hot spots is used to detect unusual surges, indicating a large discharge into the sewer system. Time stamped data is tracked and used to investigate illegal entry and dumping into a collection system — saving millions of dollars in resources.

### Added Security

Alarms for manholes, utility vaults, and other lid-accessed spaces can be established as a stand-alone intrusion detection system for added security, especially for distant and remotely located infrastructure assets.



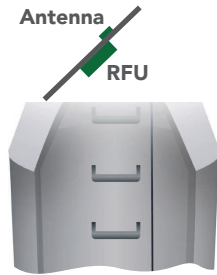
[SmartCoverSystems.com](http://SmartCoverSystems.com)

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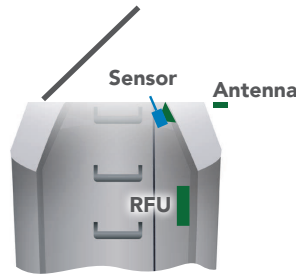
Infrastructure Entry Detection System

### Configurations:

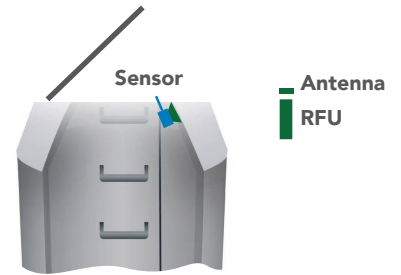
There are three standard installation configurations with options for the location of the remote field unit (RFU) and antenna.



Direct attachment to manhole cover or hatch. Hardened RFU. MEMS sensor.



Local RFU mounted internal to space and stealthy antenna mounted near opening.\* Contact sensors.



Remotely mounted RFU and antenna. Custom configuration providing higher levels of security are available upon request.\* Contact sensors.

## Unique Features

- Entry detection
- Built-in tilt switch for real time tracking
- Unauthorized dumping detection
- Reduce operational risk
- Asset protection at critical sites
- Verify field work execution
- Know when and where access occurs
- Get ahead of potential problems
- Monitor and protect remote locations
- Two-way wireless communications
- Remotely enabled or disabled
- Worldwide satellite coverage, unaffected by power outages or severe weather conditions
- Unlimited data storage and users
- Done-for-you analytics
- Fusion with tide, rain and stream data
- Map-based user interface
- Data support for operations and management decisions, work orders, alarms, alerts and advisories
- Go off grid with 5 year battery power, depending on various factors
- Mobile app for iOS and Android users

\*Custom configurations may require additional pricing and delivery time dependent upon application details and associated engineering.