



## **V-ALERT** SOLAR

### Protecting Solar Panel Farms

Solar Power Farms are providing an ever-increasing source of alternative energy world-wide. Solar farms hold a large amount of high value equipment making them an easy and lucrative target for thieves.

The **V-ALERT** SOLAR system provides an integrated intrusion detection solution, protecting the perimeter fence as well as the solar panels and strategic on-site equipment.

In addition thefts of Solar Panels can disrupt the solar power farms electricity generation, causing revenue losses and ongoing maintenance and repair costs.

The electronic sensor has no moving parts and can be installed on ANY element or part of the Solar Farm infrastructure:

- ☑ Install on Solar Panels and on site electronic equipment.
- ☑ Install on the perimeter fence surrounding the Solar Farm.
- ☑ The only available solution for solid walls, ladders, doors, windows, generators as well as the perimeter wall or fence.
- ☑ Each sensor has a unique ID providing fast, accurate and pin-point alarm indications.
- ☑ The sensitivity of each sensor can be adjusted according to the element on which it is installed.
- ☑ Separate sensor sensitivity adjustment and detection possible on both X and Y axes.
- ☑ One detection system protecting the site perimeter as well as specific elements inside the protected site.
- ☑ Sensor designed for use in extreme outdoor conditions.





## System Features

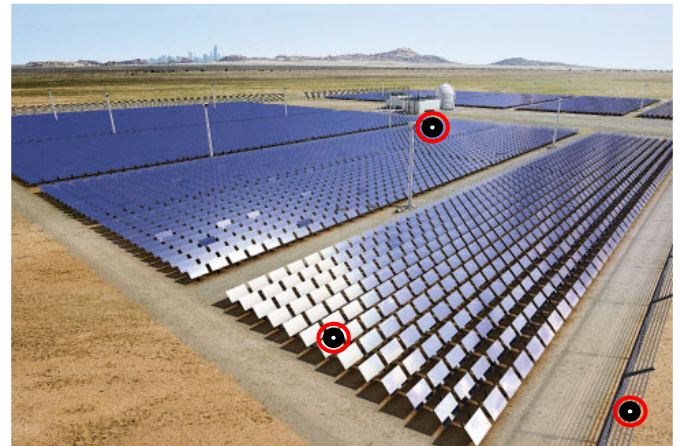
The **V-ALERT** INDOOR OUTDOOR DETECTION SYSTEM is an advanced intrusion detection system used in a wide variety of integrated INDOOR-OUTDOOR security applications.

The V-ALERT sensor is an electronic sensor with no moving parts that has been designed to detect changes in movement or vibrations caused by attempts to cut, break or remove elements in the protected site.

EACH V-ALERT sensor will provide an independent alarm indication from the element on which it is installed.

ONE integrated system protects all the elements in the protected site with one continuous line of V-Alert Sensors. There is no need to install other detection systems on site.

The status of each individual electronic sensor is monitored electronically and analyzed by the Zone Processor Unit. The system detects changes in the status of individual sensors providing an accurate and reliable alarm detection capability.



## System Installation & Integration

- GM's V-Alert Settings Manager Application is used to program and set-up the system. The sensitivity of each individual V-Alert sensor can be adjusted.
- Alarm indications from the zone processor unit are integrated with Alarm Panels, GSM Dialers or any other available communication system or network
- Dry-contact relay outputs enable integration with other communication equipment.

### Specifications

#### V-Alert System

2 lines of up to 50 sensors each line connected to one V-Alert Processor Card

#### Integration

V-Alert Relay Card with 10 Relay Outputs

#### Temperature

Operating temperature -40°C to +70°C

#### Humidity

20% - 95% condensing

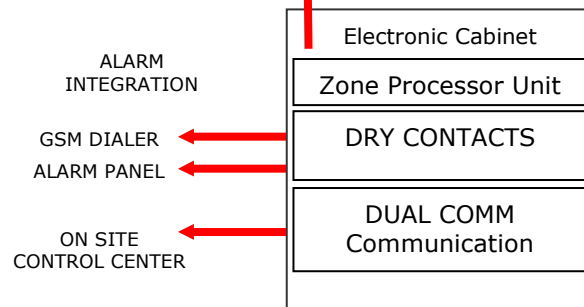
#### Enclosure and Cable

Weather proof epoxy enclosure  
Outdoor Cable - UV resistant

#### Input Voltage

12-30V DC

The V-Alert Sensor technology is continually being upgraded and updated. GM reserves the right to make changes to the technology and specifications of the system in order to equal or improve the system's performance.



Protected Elements

- Solar Panels
- Generator
- Building
- Perimeter Fence
- Gates and entrances
- Electronic Equipment

