

# VIBRATION SENSOR - WIRELESS DETECTS SOLAR PANEL TAMPERING VIB300W SERIES

**FLAIR**  
ELECTRONICS



## FEATURES:

- \* Mounts to Solar Panel Support Frame, Detects attempts to Tamper or Remove Panel
- \* Advanced signal processor (built into sensor) differentiates between non-threatening or environmental events and real attacks
- \* Four sensitivity settings to tune each sensor to a particular frame or structure
- \* Built in Wireless Transmitter
- \* UV resistant case and epoxy sealed electronics provide maximum resistance to harsh environments
- \* Easy to install, Brackets included



**OPERATION:** The VIB300W Wireless Vibration Sensor is designed to detect attempts to tamper with or remove solar panels from their metal support frames. This sensor is directly mounted to the support frame or structure with an easy to install bracket and two screws. Vibrations resulting from tampering with solar panel mounting screws or support structure are transmitted through the metal structure to the sensor and analyzed by the advanced signal processor built into each sensor. Most off-the-shelf wireless transmitters with ranges up to 1000 feet can be built into the sensors. Wireless receivers are sold separately. No long cable runs are required.

The VIB300W has four sensitivity settings, selected by jumpers, so that the sensor can be tailored in the field to the exact nature of the installation. Three internal sensor output LEDs - green, yellow and amber - facilitate set up and tuning so that there is no need to be at the control to see an alarm event. Depending on the type of support frame and the sensitivity setting, each VIB300W can detect intrusions over a distance ranging from 20 to 50 feet. This range results in an economical security solution.

## ELECTRICAL

Internal DC power source, 2 AA Batteries, 3V  
Current consumption < 1 micro Amp  
Wireless Transmitter provides both alarm and low battery output  
Alarm indication three internal LEDs  
Requires no external wiring

## ENVIRONMENTAL

Temperature Limits -4F to 131 F (-20 C to 55 C)  
UV Resistance, NEMA 4X, Polycarbonate Case  
certified UL94 5V

## PHYSICAL

Color Light Gray  
Dimensions 4 3/4" x 2 1/2" x 2 1/2"  
Weight 1.5 lbs