

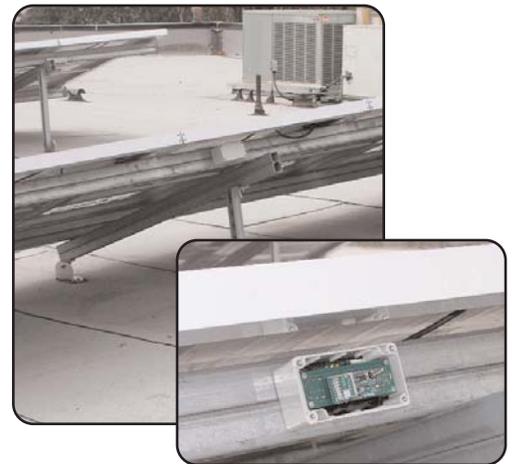
# VIBRATION SENSOR DETECTS METAL STRUCTURE TAMPER VIB300 SERIES

**FLAIR**  
ELECTRONICS



## FEATURES:

- \* Mounts to metal structures and detects attempts to climb, cut or tamper
- \* 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
- \* Two outputs - alarm and power failure
- \* UV resistant case and epoxy sealed electronics provide maximum resistance to harsh environments
- \* Easy to install, Brackets included



**OPERATION:** The VIB300 Vibration Sensor is designed to detect individuals climbing over, cutting through or tampering with metal structures such as iron bar fences and solar panel support structures. This sensor is directly mounted to the structure with just two screws. Easy to install brackets are also available. Vibrations resulting from tampering with the structure are transmitted through the metal to the sensor and analyzed by the advanced signal processing control built into each sensor. The sensors are immune to moderate wind conditions and random single events.

These vibration sensors can be used individually or connected together for longer runs. The VIB300 has four sensitivity settings, selected by jumpers, so that the sensor can be tailored to the exact nature of the structure. Three sensor output LEDs - green, yellow and red - mounted to PCB 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 structure and the sensitivity setting, each VIB300 can detect tampering over a range of 20 to 30 feet. This range results in an economical security solution when compared to other types of sensors.

## ELECTRICAL

External DC power source 9 -15 VDC  
Current consumption 2 mA  
Two open collector outputs - alarm and power failure (output for power is energized closed)  
Alarm indication three internal LEDs  
Requires 4 conductor 22 AWG shielded cable

## 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