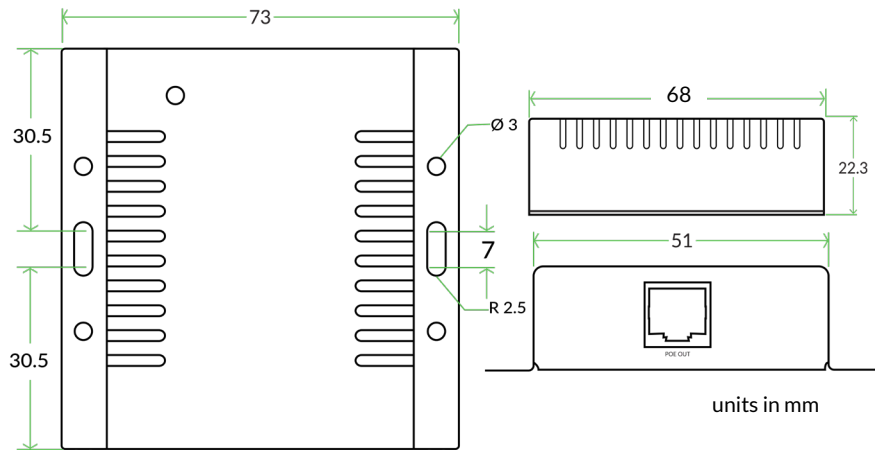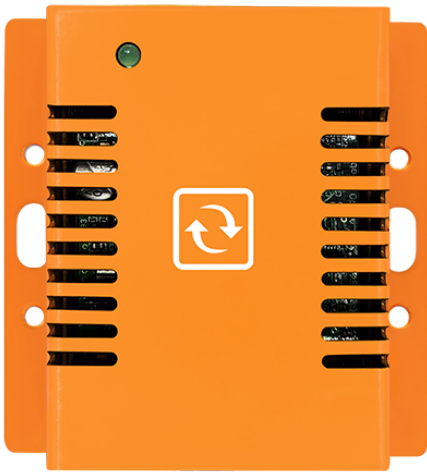# Shock and Vibration Sensor (SEC-SHOCK)

units in mm

While various manufacturers provide analog-based vibration sensors triggering alerts upon motion detection, InfraSensing's shock and vibration sensor distinguishes itself by reporting the actual force recorded. With its multi-axis G force capability, it accurately detects vibration levels and allows users to define specific alert thresholds. This sensor can effectively detect and record tampering, movement, removal, or installation of equipment within racks, as well as monitor vibrations or shocks in rooms, particularly for sensitive equipment like traditional hard disks.

Sensor Metrics:

Vibration unit	±2g
Sensor sensitivity	0.18g

Technical Specifications:

Powered by and communicates with	Base Unit (BASE-XX) (required)
Connectivity	RJ45 cable transmitting data & power from Base Unit to Sensor
Cable specification	RJ45 CAT 6/7 recommended Up to 100m (330ft) subject to cable quality & interference
Sensor power usage	72mW

Environmental Specifications:

Operating temperature range	0°C to +75°C (32°F to +167°F)
Humidity (operating and storage)	< 90% rH (non-condensating)

Physical Specifications:

Sensor enclosure	Steel enclosure, industrial grade
Mounting option	0U rack, DIN rail, magnetic or wall mountable sensor
Dimensions	73mm (2.87") x 68mm (2.68") x 22.23mm (0.88")
Weight	40g (0.088lbs)