

# DHI-ARD421 Vibration Detector



- Detects vibrations from impacts, electric drills, impact drivers, gas cutting and explosions.
- The sensitivity level and number of impacts can be configured.
- Alarms when the temperature rises 10° within 30 seconds.
- 2-color LED lights indicate different operating statuses.
- Alarms when the power supply voltage is below 8 V.
- The alarm output status can be set as normally open or closed.
- Detects when the case is tampered with and the device falls.

#### Scene

Ideal for ATMs, vehicles and more.

### **Technical Specification**

Port		
Alarm Output	Connects to 1 channel (dry contact, max potential of 12 VDC and 0.11 A)	
Function		
Indicator Light	One two-color LED indicator	
Tamper	Yes	
Technical		
Sensor	Piezoelectric ceramics sensor and temperature sensor	
Detection Mode	Detection of mechanical vibrations and temperatures	
Sensitivity	5 adjustable sensitivity levels	
Detection Range	Concrete: Alarms are triggered when vibrations reach a depth of 2 to 8 m from impact drivers or other objects striking the area. For other objects, they have to hit the area 5 times first. Explosions immediately trigger alarms. Steel plate: Alarms are triggered when vibrations reach a depth of 1 to 10 m from impact drivers, and a depth of 1 to 12 m when other objects strike the area at least 5 times. Explosions immediately trigger alarms.	
Relay	The default is normally closed	
Relay	,	
Operating Current	18 mA	

#### General

General		
Power Supply	9–15 VDC	
Power Consumption	≤1.2 W	
Operating Temperature	–25 °C to 55 °C (–13 °F to 131 °F)	
Operating Humidity	0%–95% (RH), non-condensing	
Product Dimensions	85 mm × 37 mm × 28 mm (3.35" × 1.46" × 1.10") (L × W × H)	
Net Weight	395 g (0.87 lb)	
Gross Weight	436 g (0.96 lb)	
Installation	Wall mount	
Casing Material	Zinc–aluminum alloy	
Certifications	CE	
Anti-corrosion Level	Basic Protection	
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)	
Storage Humidity	0%–95% (RH), non-condensing	
Packaging Dimensions	106 mm × 100 mm × 41 mm (4.17" × 3.94" × 1.61") (L × W × H)	

#### **Ordering Information**

Туре	Part Number	Description
Vibration Detector	DHI-ARD421	Vibration Detector

## Dimensions (mm[inch])



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