

CD 470

E-NR: 6310090

Shock sensor

CD 470 offers reliable monitoring against attacks with mechanical tools. The CD 470 is a chock- and vibration sensor with 3 separate detection channels: an integration channel / saw channel for weak signals with long duration, a counting channel that senses strong impact on the monitored surface and an explosion channel which senses very strong signals from e.g. an explosion.

CD 470 shares design with CD 475 but has built-in relays for the alarm and tamper outputs. This allows the CD 470 to be connected directly to the alarm central unit, this means that no analyser unit is necessary. CD 470 polarity independent, just like CD 475.

Features:

- Relay outputs for alarm and tamper
- Two wire polarity independent for easy connection
- 3 separate detection channels
- Cover radius up to 3 m
- Resistant to interference
- Detailed sensitivity setting
- Suitable for 24 hour monitoring
- DAY and NIGHT control of LED

TECHNICAL DETAILS

Approvals	EN 50131-2-8 Grad 3, SBSC Klass 3, VdS G 121502 Class B
Alarm output	R up to 30 Ω, Relay (Max 50V / 120 mA)
Alarm indication	DAY/NIGHT controlled, LED
Housing material, Colour	ABS Plastic, white
Operating temperature	-40°C – +55°C

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CD 470

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Housing protection class	IP 42
Dimensions (L x W x H) mm	80 x 23 x 20 mm
Alarm hold time	4s (auto reset) or locks in alarm mode
Alarm reset	Voltage breaking input (up to 1 V)
Tamper output relay	R up to 30 Ω, Relay (Max 50V / 120 mA)
Input voltage	6 VDC (NIGHT), 8 – 15 VDC (DAY)
Detection radius	up to 3m
DAY and NIGHT control	DAY 8V, NIGHT 6V supply voltage
Low voltage alarm or fault in electronics	up to 5V is indicated by flashing LED
Current consumption quiescent / alarm	8,0 mA (12 V)/7,1 mA (12 V)
Grade	3
Product type	Detectors
Environment	Indoor
Product group	Shock & Vibration
Product feature	Shock, Surface-mounted
Security certification and approval schemes	EN, F&P, FG, INCERT, SBSC, VdS
Security class	3, B
Environmental class	II

ORDER INFORMATION

Model	E-NR	Description
CD 470	6310090	Shock and vibration detector
CD 470-BL	6310756	Shock and vibration detector, black

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