

CD 550-R

Shock Detector

Technical data

Supply voltage	10.5 - 30 VDC
Current draw (standby)	5.5 mA at 12 V, 6 mA at 24 V
Current draw (alarm)	6 mA at 12 V, 6.5 mA at 24 V
Alarm output	Relay, NC
Contact rating	48 VDC / 100 mA
Alarm indication	LED
Tamper protection / Rating	Yes / 35 VDC / 50mA
Connection	Screw terminals
Housing material	ABS Plastic
Colour	White
Operating temperature range	-10 to +70°C
Housing protection class	IP 42
Dimensions (L x W x H) mm	80 x 23 x 20



The CD 550 Shock Detector mounts on various objects providing their reliable protection. The CD 550 detects and indicates any attempt to break into the object using tools applied with much power, or even explosives. This detector senses momentary high amplitude vibrations. It includes a programmable event counter which makes the detector trip an alarm once the pre-programmed number of events (1, 2, 3 or 4) have occurred. Still the detection of an explosion trips an alarm regardless of the number of the counted events.

The CD 550 mounts on elastic, multi-element structures (e.g. window / door frames and casings) and on brick walls one might attempt to penetrate using a blunt instrument applied with much power. For mounting on concrete or concrete-like surfaces use preferably the special MP 550 mounting plate. When installing outdoors or in cold rooms use the WH 550 housing protecting against severe weather conditions.

The CD 550 is based on an advanced signal processing algorithm microcontroller offering digital processing of the recorded events which translates into operation reliability and immunity to ambient interferences.

The desired sensitivity of the CD 550 is selected by DIPswitch. The effective adjustment can be verified with the CT 400 which simulates real attack vibrations. The impact power it uses remains always at the same level.

Related products and accessories**MP 550**

Mounting Plate
for CD 550