

# RISCO Seismic Detector

## High Security 24 Hour Protection

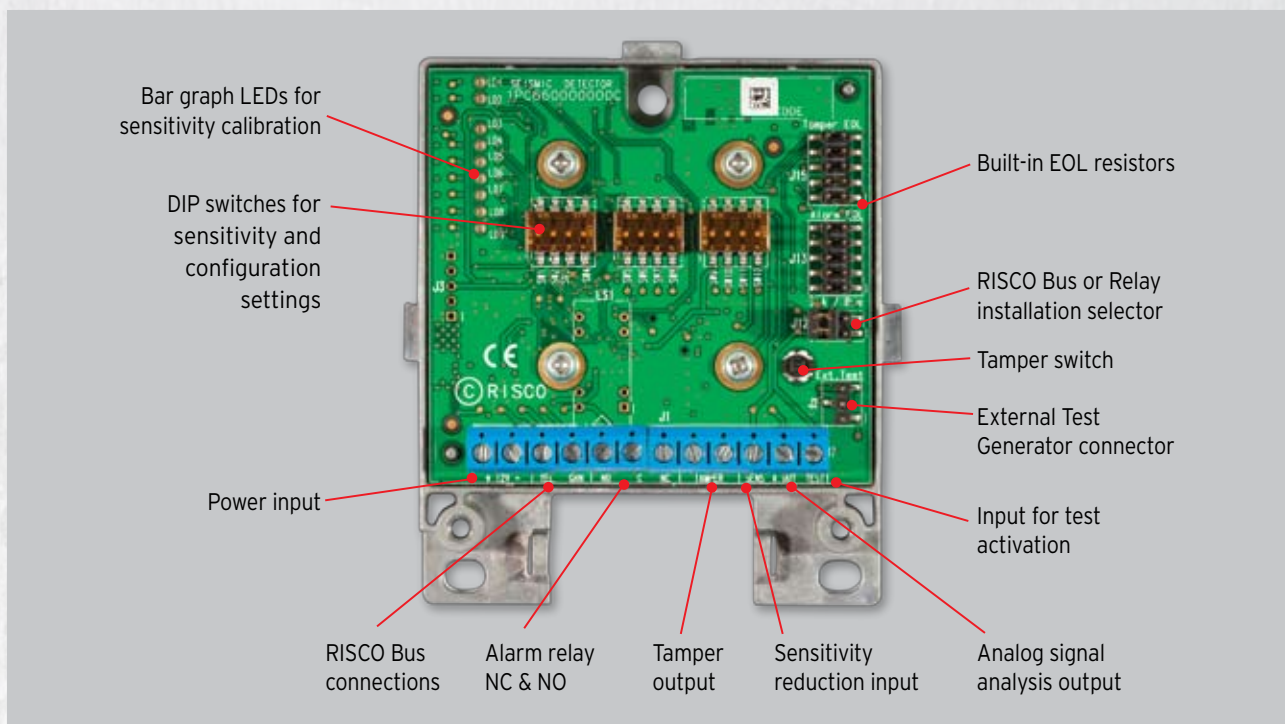
RISCO Group's high security seismic detector is your ultimate choice for 24/7 protection of vaults, safes, ATMs, reinforced concrete walls and strong rooms, steel armoured cabinets, vending machines and doors. Powered by RISCO Group advanced technologies, the detector monitors the vibration and temperature of the protected surface and will detect all known types of intruder attacks, such as sledge hammers, diamond head drills, explosives, hydraulic pressure tools and thermal tools.

RISCO Seismic Detector is extremely simple to install - both on the Bus of RISCO Group security systems, allowing unique remote parameter setting and diagnostic capabilities - or as a regular relay detector with built-in EOL resistors.



- Piezo sensor with pattern recognition digital signal processing
- Temperature sensors detect extreme cold and high temperature attacks
- Detection range up to 5m (16') radius
- Anti-drilling shield as standard
- Remote sensitivity reduction input, allows reducing sensitivity during ATM or vending machine dispensing
- Wall and cover tamper protection
- Relay or RISCO Bus installation





## Technical Specifications

Coverage and sensitivity	Detection coverage	Up to 5m (16.5') radius
	Adjustable vibration sensitivity	8 levels by dip switch
	Adjustable vibration signal duration	4 levels by dip switch
	Explosion & sledge-hammer detection	Dip switch selectable
Installation and maintenance tools	Vibration generation	External or internal test generator
	Sensitivity indication	Bar graph LEDs
	Self test indications	Power, low-voltage, logger memory, piezo sensor, temperature sensor
	RISCO Bus	Remote parameter setting and diagnostics via RISCO Group security system keypads and PC remote software
	EOL resistors	Built-in, jumper selectable
Power requirements	Operating voltage	9 to 16V DC
	Current consumption	Typically 20mA @ 12VDC
Outputs	Alarm contacts	24VDC, 0.1A, Form C changeover relay
	Tamper contacts	24VDC, 0.1A
	Alarm contact hold time	2.5 seconds
	Analog signal output	For signal analysis and calibration
Inputs	Remote test input	✓
	Sensitivity reduction input	✓
	RISCO Bus	RS485
Environmental conditions	Operating temperature	-40°C to +70°C (-40°F to 158°F)
	Storage temperature	-50°C to +70°C (-58°F to 158°F)
	Ingress protection rating	IP43
	Impact rating	IK08
	RFI immunity	According to EN50130-4
Housing	Dimensions (L x H x W)	102 x 27.5 x 80.2 mm (4.0" x 1.1" x 3.2" )
	Weight	220 g ( 7.7 oz)

Specifications are subject to change without prior notice

## External Test Generator



- Installed on the protected surface below the detector housing (without touching the detector)
- Activated via the "test input" on the detector, causing vibration of the protected surface
- Used periodically to verify proper functioning of the detector
- Can be used during installation to calibrate sensitivity

## Mounting Plate



- Used to ensure proper physical contact of the detector to concrete or non-uniform metal surfaces
- Can also be welded to metal surfaces that cannot be drilled

## Ordering Information

P/N	Description
RK66S000000A	RISCO Seismic Detector, with mounting plate & test generator



Creating Security Solutions.  
*With Care.*

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