

## SC100 series

### Seismic sensors

SC100 Seismic sensors range is designed to detect selected vibrations from burglary or intrusion attempt to high value storage units.

The SC100 model is a universal seismic sensor which can be used such as Vaults, Doors, fixed ATMs, Safes and other solid structure objects.

The SC105 is a dedicated version for mini-ATMs or vending machines that usually work in noisy environment. It offers

the optimal sensitivity/false alarm immunity ratio for the free-standing objects that the SC105 will protect.

The SC100 series offers several unique features that reduces installation time, e.g.: Integrated EOL resistors, built-in diagnostic tool, smallest dimensions available on market, Universal application including ATM.



### Features:

- **Detects attacks on:** Vault doors, ATMs, night deposit safes, strong room vaults, modular vaults, vending machines, free standing safes, hatches, gates, chests and other objects with solid structure.
- **Detects attacks from e.g.:**
  - A heavy stroke or gross attack from heavy sledge or explosives
  - Repeated knocks from hammer and chisel attack
  - Drilling, mechanical cutting, acetylene torch, thermal cutting,
  - water-cooled diamond drills
  - water jet cutting tools, hydraulic jack (SC100 only)
- **Small dimensions sensor:** Smallest available on market so fits easier when space is limited.
- **Universal (ATM& vault):** The SC100 can also be used for ATM's and night deposit safes by simple dip switch setting where competition has separate sensors for these.
- **Drilling shield (standard):** Protects electronics inside against sabotage.
- **Extended temperature:** Allows operation in extreme temperature conditions (-40°C to +70°C).
- **Remote sensitivity reduction input:** Allows reducing sensor sensitivity from remote during service on ATM so this does not create false alarms.
- **Multi compatible mounting plate fits on pre-fab holes product:** Fits on most pre-drilled mounting holes from other seismic sensors thus preventing time consuming drilling/threading mounting holes. Also makes refurbishment easier. Last but not least same mounting plate can be used for both mounting on concrete as welding on steel.
- **Integrated EOL resistors:** Saves installation time as End Of Line resistors for alarm as well as tamper loop are already incorporated. This also reduces chance on required service later because of bad connections of EOL resistors.
- **Integrated temperature alarm:** The SC100 and SC105 alarm if the temperature exceeds 85°C. Additionally the SC100 version alarms when temperature rises faster than 6°C per minute. This will help to alarm on attacks with heat emitting attack tools like e.g. thermic lance.
- **Diagnostic LED:** Built-in tool to easily select correct sensitivity; no time consuming external tools required.
- **Selectable sensitivity:** Four different sensitivity settings available to adopt to required range and environmental conditions.
- **Remote test electronics or with test transmitter:** Input to remotely start functional test with help of SC113 (internal test transmitter) or SC115 (external test transmitter). If no test transmitter is available, it is possible to test internal electronics with this test.
- **Available accessories:** Mounting plate, keyhole protection kit, Day/Night kit, Test transmitter (internal), armed cable and Test transmitter (external); This range of accessories allows to mount the SC100 and SC105 Seismic sensors in a wide range of applications.
- **Low current consumption.**

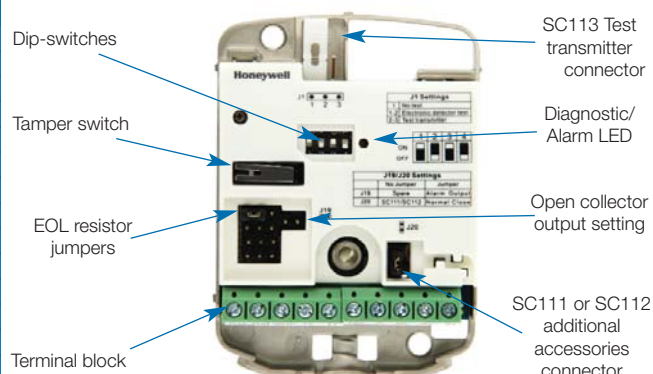
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Specifications		SC100	SC105
Power Requirements	Supply Voltage	8 ~ 16 VDC, nominal 12 VDC	
	Current Consumption	Typical 3 mA @ 12 VDC	
Sensitivity	Adjustable Sensitivity	4 levels by DIP Switches	
	ATMs / Vault selection	by DIP switch	N/A
	Delayed triggering	N/A	by DIP switch
	Reduced Sensitivity Input	For maintenance & Service: Active low (<1.5 VDC)	
	Detection Radius	5m	3m
	Alarm algorithm	Highly sensitive to all known attacks while rejecting known false alarm sources by innovative filters and firmware	Equal to SC100 but adapted to higher environmental noise of public areas where protected objects mainly are installed to prevent unwanted alarms
Alarm Outputs	Solid State Relay (Change Over)	30 VDC / 100 mA; Type C	30 VDC / 100 mA; Type A
	Open Collector	Active low during alarm	
	Alarm Hold Time	Approx. 2.5 sec	
Sabotage Protection	Pry-off and Cover Switch	30 VDC / 100 mA	
	Low Supply Voltage Alarm *	< 7 VDC	
	Temperature Alarm *	+85°C ± 5°C	
	Internal Functional Alarm*	Stainless steel drill shield	
Inputs	Remote test	Active low 1.5 VDC, test duration < 0.5 sec	
	Reduced Sensitivity Input	Active low 1.5 VDC, test duration < 0.5 sec Sensitivity reduction to 12.5 %	
Installation Tool	A noise and alarm indicator is incorporated to support sensitivity setting.		
Environmental Conditions	Maximum Humidity	95% RH (non-condensing)	
	Operation Temperature	-40°C ~ + 70°C	
	Storage Temperature	-50°C ~ + 70°C	
	Environmental Class (VdS)	III	
	Housing Protection Category	IP43	
Housing	Dimensions (H x W x D)	80 mm x 60 mm x 21 mm	
	Chassis and Cover	Die-cast metal	
	Color	RAL7035 (light grey)	
	Weight	0.228kg	

Honeywell reserves the right to alter the specification of products without notice.

Applications	SC100	SC105
Vault Doors	✓	
ATMs	✓	
Night Deposit Safes	✓	
Strong Room Vaults	✓	
Modular Vaults	✓	
Free Standing Safes	✓	
Hatches	✓	
Gates	✓	✓
Chests	✓	✓
Lobby-ATMs		✓
Filing Cabinets		✓
Containers		✓
Vending machines		✓
Ticket machines		✓



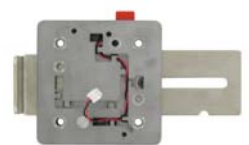
### SC100 series accessories



SC110



SC111



SC112



SC113



SC114



SC115

### Ordering references:

<b>SC100</b>	Seismic sensor (see table above)	<b>SC112</b>	Keyhole protection kit
<b>SC105</b>	Seismic sensor (see table above)	<b>SC113</b>	Internal test transmitter
<b>SC110</b>	Mounting plate	<b>SC114</b>	1.80m armed cable kit (8 wires)
<b>SC111</b>	Movable mounting kit	<b>SC115</b>	External test transmitter

### Find out more:

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