



ImproX SKA

Product Specification Catalogue

The **ImproX (SKA) 125 kHz SupaGate Keypad Antenna Reader** is a compact, 125 kHz Tag Reader, designed for use with the ImproX SupaGate range of Controllers.

The Antenna Reader offers the operator or installer an interface consisting of a single tone Buzzer and a single bi-coloured Red or Green Status LED.

The Antenna Reader is intended for indoor or outdoor use. The electronic components are fully potted in a Black tinted, Polycarbonate Plastic Cabinet. The potting compound prevents vandals tampering with the electronic components.

The ImproX SKA has a 12-button alphanumeric Keypad for PIN-code entry.

Key Features

- A single bi-coloured Red or Green Status LED.
- A single tone Buzzer.
- A 12-button alphanumeric Keypad.
- Operates at a frequency of 125 kHz.

Reading Range (Tag)

Tag Type	Typical Range (Minimum) (mm)	Typical Range (Minimum) (in)
ISO Credit Card (Slim)	25 - 50	1 - 2

NOTE: Mounting the Antenna Reader on a metallic surface will reduce the Tag reading range slightly.

Physical Specifications

Length	: 88 mm (3 in).
Width	: 60 mm (2 in).
Height	: 24 mm (1 in).
Approximate Weight	: 168 g (6 oz).
Housing Material	: Polycarbonate.
Colour	: Black tinted.

ImproX (SKA)

125 kHz SupaGate Keypad Antenna Reader

SGI913-1-0-GB-XX

Environmental Specifications

Operating Temperature	: -25°C to +60°C (-13°F to +140°F).
Storage Temperature	: -40°C to +80°C (-40°F to +176°F).
Humidity Range	: 0 to 95% relative humidity at +40°C (+104°F) non-condensing.

Approvals

CE Approval	: EN 300 330-1. EN 301 489-3.
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NOTE: Tested in conjunction with the ImproX SupaGate 4-Channel Controller.

FCC Approval	: Pending.
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Dust & Splash Resistance	: Designed to work in an indoor or outdoor environment similar to IP53. The ImproX SKA is, therefore, sealed (potted) against water.
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Drop Endurance	: 2 m (7 ft) drop (in packaging).
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User Interfaces

Buzzer

Buzzer	: Single tone, 4 kHz.
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Keypad

Buttons	: 12 Alphanumeric keys.
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Status Indicators

Status LED	: Bi-coloured Red or Green.
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Related Information

For extra information relating to this product refer to the:

- ImproX SKA Hardware Installation Manual (SGI304-0-0-GB-XX).

Ordering Information

Order the ImproX (SKA) 125 kHz SupaGate Keypad Antenna Reader using the following Part Numbers:

- SGI913-1-0-GB-XX: ImproX (SKA) 125 kHz SupaGate Keypad Antenna Reader.

Warranty Details

This product conforms to our Warranty details on www.impro.net.



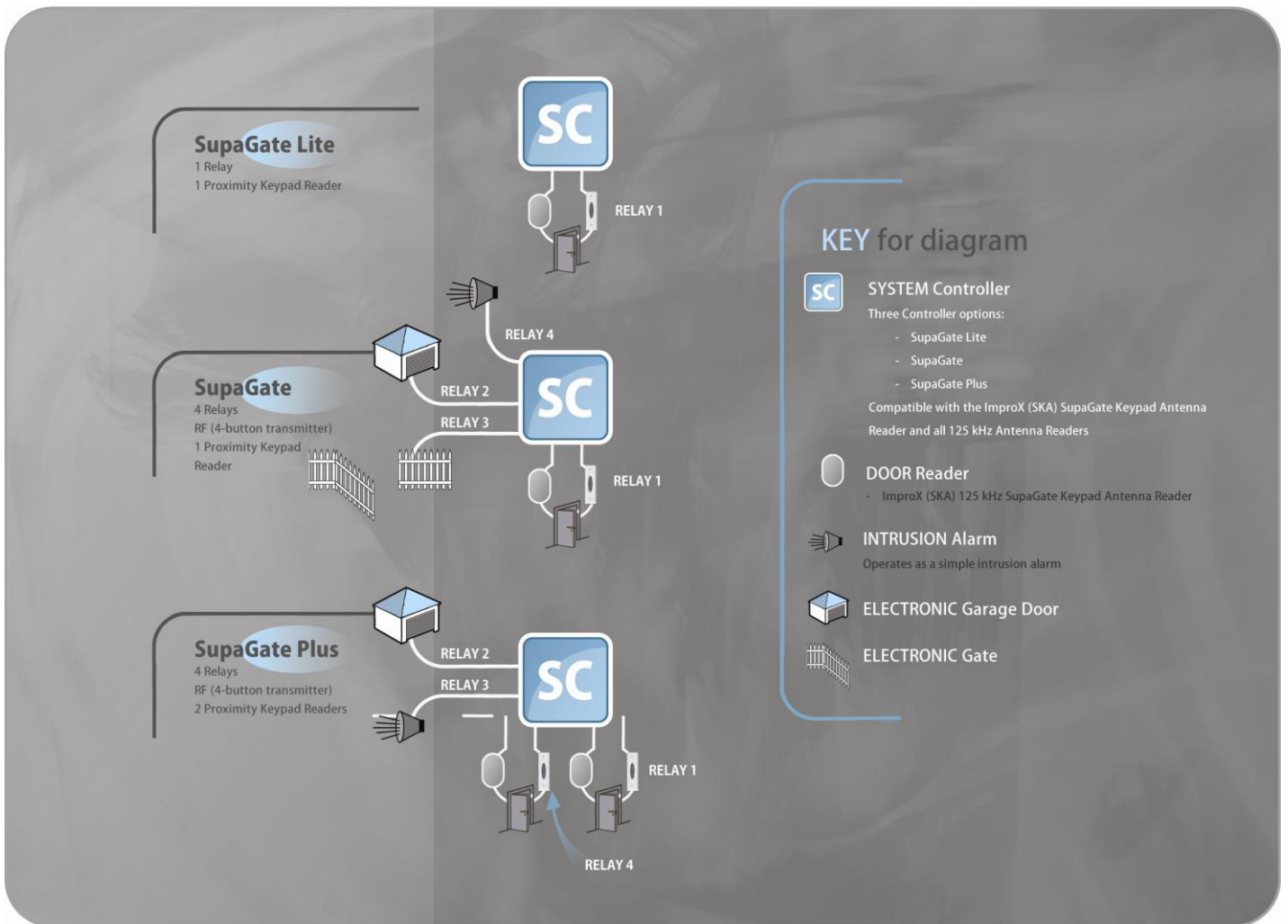


Figure 1: ImproX SKA Overview

This Product Specification Catalogue applies to the ImproX (SKA) 125 kHz SupaGate Keypad Antenna Reader, SGI913-1-0-GB-00.
(The last two digits of the Impro stock code point to the issue status of the document or product).

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