



MODEL NUMBER: SG1913-1-0-GB-XX

IMPROX SKA

ImproX (SKA) 125 kHz SupaGate Keypad Antenna Reader INSTALLATION MANUAL

SPECIFICATIONS

Working Environment	Designed to work in an indoor or outdoor environment similar to IP53. The ImproX SKA is, therefore, sealed (potted) against water.
Buzzer	Single tone, 4 kHz.
Keypad	12 Alphanumeric keys.
Status Indicators	
Status LED	Bi-coloured Red or Green.

INSTALLATION INFORMATION

Accessories

Find the following when unpacking the Antenna Reader:

- An ImproX SKA Antenna Reader housed in a Black tinted, Polycarbonate Plastic Housing. The ImproX SKA consists of the Front Cover Antenna Reader Assembly (fully potted) and a Backing Plate. The Front Cover Antenna Reader Assembly includes a 2 m (7 ft) shielded multi-strand 3-pair twisted open-ended connection cable.
- Four Brass Wood Screws (3.5 mm x 25 mm).
- Four Wall Plugs (7 mm).
- An extra Serial Number Label.

General

Remember the following when installing the Antenna Reader:

Maximum Data Communications Distance

The ideal cable distance between the ImproX SupaGate Controller and the ImproX SKA ranges between 2 m to 16 m (7 ft to 53 ft). Achieve this by using a good quality shielded multi-strand 3-pair twisted cable. The cross-sectional area of the cable must not be less than 0.2 mm² (0.0003 in²).

Cable Specifications

The cable specifications should be similar to the following:

Conductor Resistance:	< 2 ohms.
Capacitance, Core to Earth:	< 160 pF/m.
Capacitance, Core to Core:	< 100 pF/m.

Distance between Antenna Readers from DIFFERENT SupaGate Controllers

To avoid mutual interference, install the Antenna Readers no closer than 500 mm (20 in) apart.

Mounting the ImproX SKA

CAUTION: Once clipped together, separation of the Backing Plate and Front Cover is likely to cause damage to the Antenna Reader.

Select the mounting position of the ImproX SKA, considering accessibility, routing of wires and visibility of the Status LED.

Secure the ImproX SKA to the mounting surface, using four suitable screws and wall plugs (supplied), nuts and bolts, rivets or double-sided adhesive tape.

Blank Space

Connecting the ImproX SKA

Figure 1 shows a detailed connection diagram for the ImproX SKA.

CAUTION: The ImproX SKA only connects to the ImproX SupaGate range of Controllers. The ImproX SKA will NOT operate with the ImproX (TT) Twin Antenna Terminal, the ImproX (MfT) Multi-function Terminal or the ImproX IXP121 Controller.

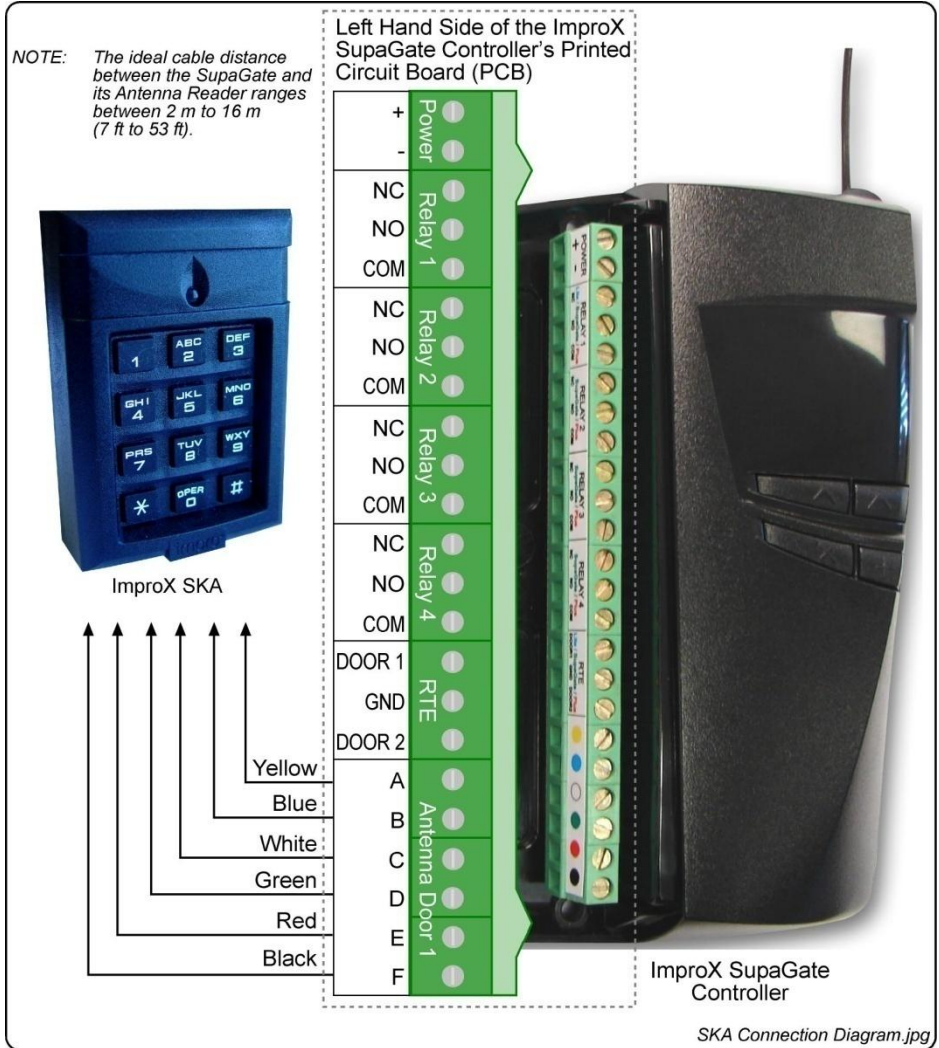


Figure 1: Typical ImproX SKA Electrical Connections

NOTE: On powering up, the Antenna Reader will produce a beep sound and the Status LED will illuminate solid Red.

GUARANTEE OR WARRANTY

This product conforms to our Guarantee or Warranty details placed on our Web Site, to read further please go to www.impro.net.



This manual is applicable to the ImproX (SKA) 125kHz SupaGate Keypad Antenna Reader, SGI913-1-0-GB-00.

(The last two digits of the Impro stock code indicate the issue status of the product).

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