



SXG6701K Installation Guide

SCHLAGE

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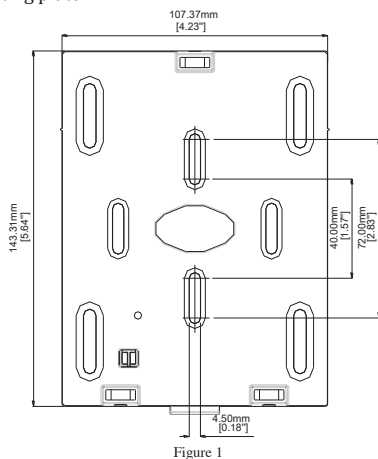
PARTS LIST

1-Installation sheet 1-Mounting Plate 1-Potted Reader Assembly

2-Mounting Screws 1-Cover 1- Cover Assembly Screws

MOUNTING THE READER

1. Determine an appropriate mounting position on a single gang box or well. Be sure to account for any applicable ADA height requirements.
2. For a single gang box mount, attach the black -plate to the holes in the single gang box using the screws provided.
3. For a wall mount, drill two mounting holes between 1.57"(40mm) and 2.83"(72mm) apart on the mounting surface. Drill one 0.59"(15mm) diameter cable hole for the pigtail wire connection.
4. Connect the mounting plate to the wall using the screws provided.
5. Wire the unit according to the color code chart below ensuring that all connections are made through the center hole in the mounting plate.
6. Hook the top of the potted case assembly to the top of the mounting plate.
7. Swivel the unit down into place and snap the cover over the potted reader assembly.
8. Install the Screw from the bottom to fix the cover to the potted case to the mounting plate.



CABLE CONNECTIONS

1. Ingersoll Rand's SXG6701K readers are supplied with a 12 color conductor cable pigtail. Connect this pigtail with the host/panel being careful to match the color of each wire with the chart shown in Figure 1.
2. Use a DC power source between 8 volts and 16 volts.
3. Be sure the reader is properly grounded by attaching the ground wire to an earth ground connection at the power supply or panel end of the cable.

TESTING THE READER

1. Power up the reader. The LED will light followed by a beeper tone. This indicates that the reader is ready.
2. Present a proper card or token programmed to operate the reader and a green LED flash will indicate successful operation. Note that a red flash could simply indicate an incorrect match or miss-programmed card/token rather than a faulty reader installation.

ADDITIONAL NOTES

- The voltage specification for these readers is 8-16 volts.
- Typical cable gauge ranges from 18 to 22 gauge. Check with your cable supplier to determine the best choice for your application and installation distance.

SPECIFICATIONS

- **Power Supply:** DC
- **Voltage Range:** 8-16 V DC
- **Temperature Range:** -35°C to 67°C (-31F to 152F)
- **Card Reader Distance:** Up to 76.2mm-distance can vary widely depending on installation conditions and credential type.
- **Cable Distance to Panel in Wiegand Mode:**
 - 150m. maximum @22 AWG and 12V
 - 60m. maximum @22 AWG and 8V
- **Information Output:** Wiegand format
- **Regulatory Approvals and Standards:**
 - UL294, ISO15693, ISO14443A/B, Europe: CE listed.

FCC STATEMENT

The FCC requires the following statement for your information: This device complies with Part15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This reader utilizes and radio frequency energy and has been tested and complies with the limits of FCC testing. Changes, modifications or disregard of proper installation instructions not expressly approved by Ingersoll Rand Corporation is strictly prohibited by the FCC and could void the user's authority to operate the equipment.

Figure 2 SXG6701k cable connections

Green	Date 0
White	Data 1
Light Blue	Green LED
Brown	Red LED
Red	Power+ DC(8-16VDC)
Black	Ground
Yellow	Beeper
Tan	Tamper Output
Pink, Gray, Purple, Blue	Not Used

Warning: Connect wires strictly in accordance with the above wiring.

Recommend cut off the metal wires of unused in field installation.

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