



## SecurGuard® Smart Entry System Installation Instructions

**Model:**

SecurGuard Electronic Lock, Unit Controller

**Product Type:** Bluetooth actuated Single Point Locking Device

**Electrical Ratings:**

SecurGuard Electronic Lock : 24 VDC, 1.75 A

Unit Controller: 24 VDC, 25 mA operational current/for Lock activation, 1.75 A - 0.01 second

**Compatible Control Units/Power Supplies-Power Limited Class 2:**

Must be UL Listed under ALVY and have a power output of 24 VDC, 1.75 A min., such as the following:

Altronix, AL400ULACM, rated 12VDC, 4A; 24VDC, 3A.  
AL600ULACM, rated 12VDC or 24VDC, 6A.  
AL1012ULACM, rated 12VDC, 10A.  
AL1024ULACM, rated 24VDC, 10A.

**Redundant Battery Backup (Supplementary):**

-UL Recognized Shenzhen Zhouneng New Energy Technology Co Ltd, SZN18650-2500mAh, 3.6v, 9.0Wh  
Lithium Batteries

-Servicing of cell circuit and replacement of lithium cells to be performed by trained technician.

Warning – Risk of Fire, Explosion, and Burns. Do not disassemble, Crush, Heat Above 115C or incinerate.

**UL294 Performance Levels:**

Access Control Line Security: Level I

Destructive Attack: Level I

Endurance: Level IV

Standby Power: Level I

**Features:**

- Compatible with all Janus International roll-up and swing doors – the leading door in the self storage industry.
- Entrapment protection via manual lock release button – allows the lock to be manually opened from inside the unit.
- Redundant Battery Backup – provides power to unlock the locks during a power outage.
- Provide constant monitoring of all entry points including the individual unit(s) via unit door and lock status and motion sensor and smart phone notifications. Note that the motion sensor is for supplemental use only.

Specifications:

1. Product Functions:

- Provide authorized tenant entry (or restrict entry) with an easy-to-use, intuitive and convenient way to access facility access points using a smart phone app or wireless, entry to the facility and smart units using a smart phone key fob.

Provide constant monitoring of all entry points including the individual unit(s) via unit door and lock status and motion sensor and smart phone notifications.

- Credential type and transmission technology:

Bluetooth communication via keyfob and smartphone (SecurGuard app).

-Electronic credential transmission technology: Keyfob Model NAKF and Smartphone with SecurGuard app, Bluetooth 4.0 or higher;

-Wireless electronic device operating system and revision level: Apple iOS™ (minimum iOS 9.0 or later) and Google Android™ (minimum Kit Kat 4.4 or later);

-Wireless electronic credential device application software and build revision level:

Smartphone: App: SecurGuard; Ev. Level: Version 1.5

Keyfob: R208-150109;

-User Verification: Company ID, User ID and password;

-Type of credential: authentication/digital signature keys received from a wireless electronic credential.

- Request-to-exit and Fail-safe operation: Manual lock release button.
- Off-premises communication channel; N/A, this is designated as a stand-alone system.
- Suitable for use in Controlled, and Protected Areas: Controlled = monitored, limited, controlled, user access; Protected = User + authorized person of access control system may grant access to non-authorized persons.

- Functions of lights and switches

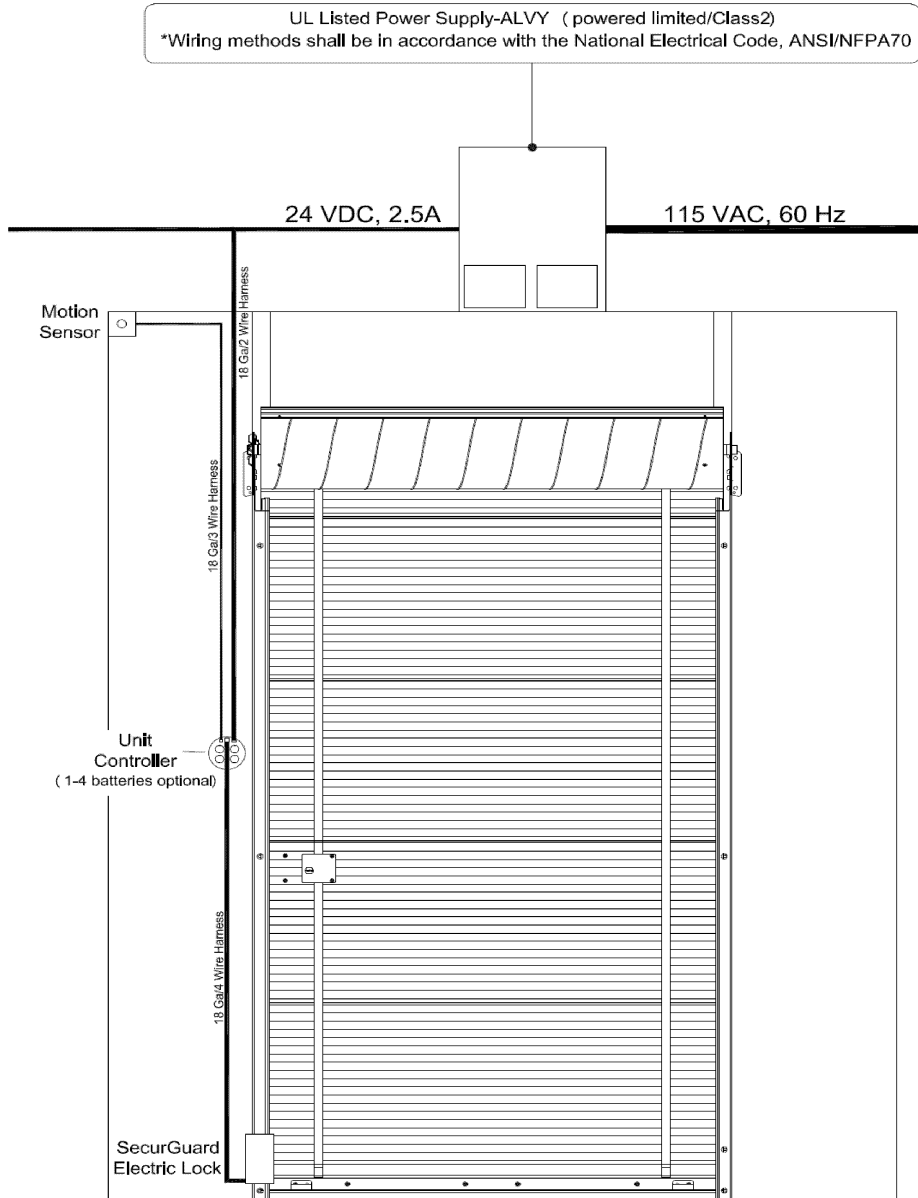
lock device	reader led turns from green to red.
press enrolled keyfob	lock unlocks and reader led turns from red to green
logon to app, press door icon	lock unlocks and reader led turns from red to green
press manual release lock	lock unlocks and reader led turns from red to green

- Annual Testing and troubleshooting: See attachment for procedure.
- Possible injury to persons: Pinching hazard from solenoid.
- Operating temperature and humidity: 0C to 49C; 85% RH at 30C.
- It is not permitted to connect cables greater than 98.5 ft (30 m) long except for power lines.

Wiring methods shall be in accordance with the National Electrical Code, ANSI/NFPA 70.

**ROLL-UP DOOR INSTALL SCHEMATIC**

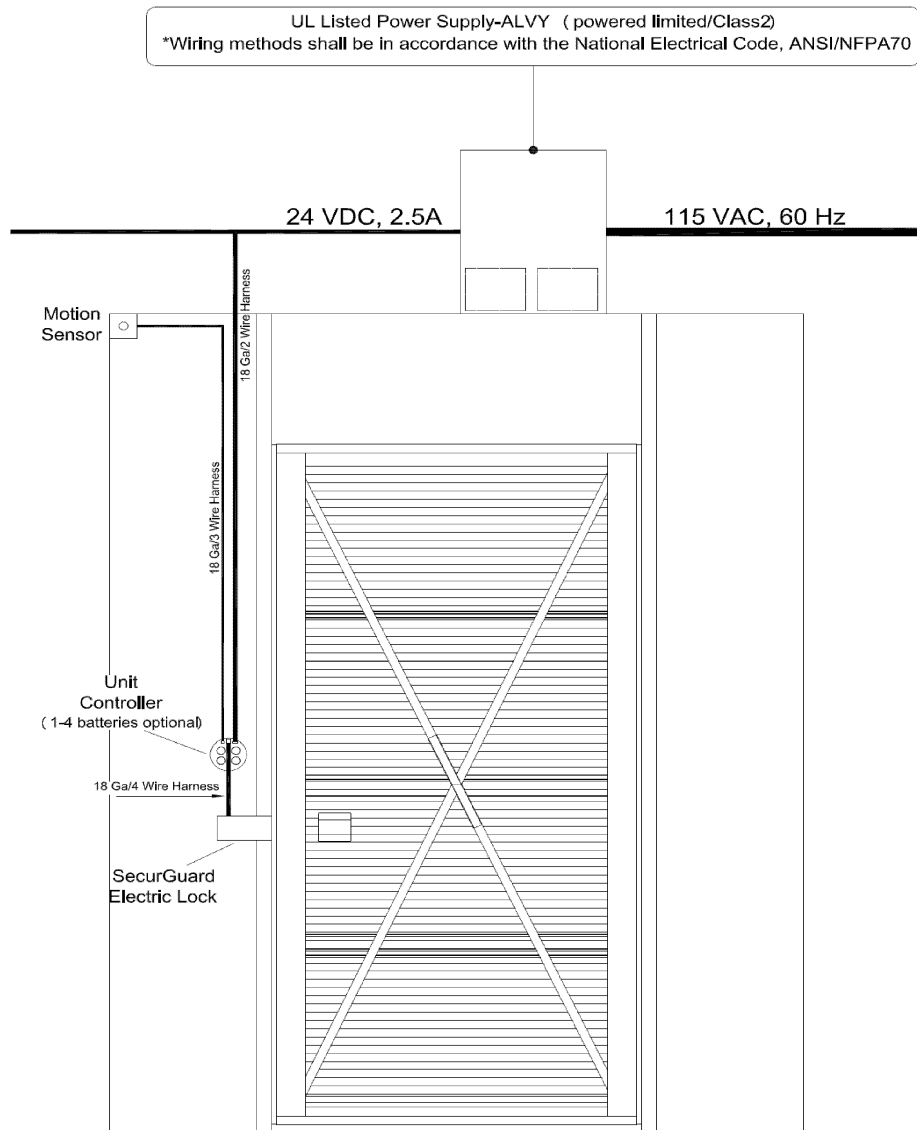
**SecurGuard® Smart Entry System-Low Voltage Power (SG-PBN-LV)**



**SWING DOOR INSTALL SCHEMATIC**

N181756575

**SecurGuard® Smart Entry System-Low Voltage Power (SG-PBN-LV)**



Strain Relief via nylon zip tie.

If longer wiring is needed, connect with UL Recognized wire (22 AWG min.) and wire nuts.

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