

# **Installation Manual**

## **Magnetic Locks or Automatic Doors**



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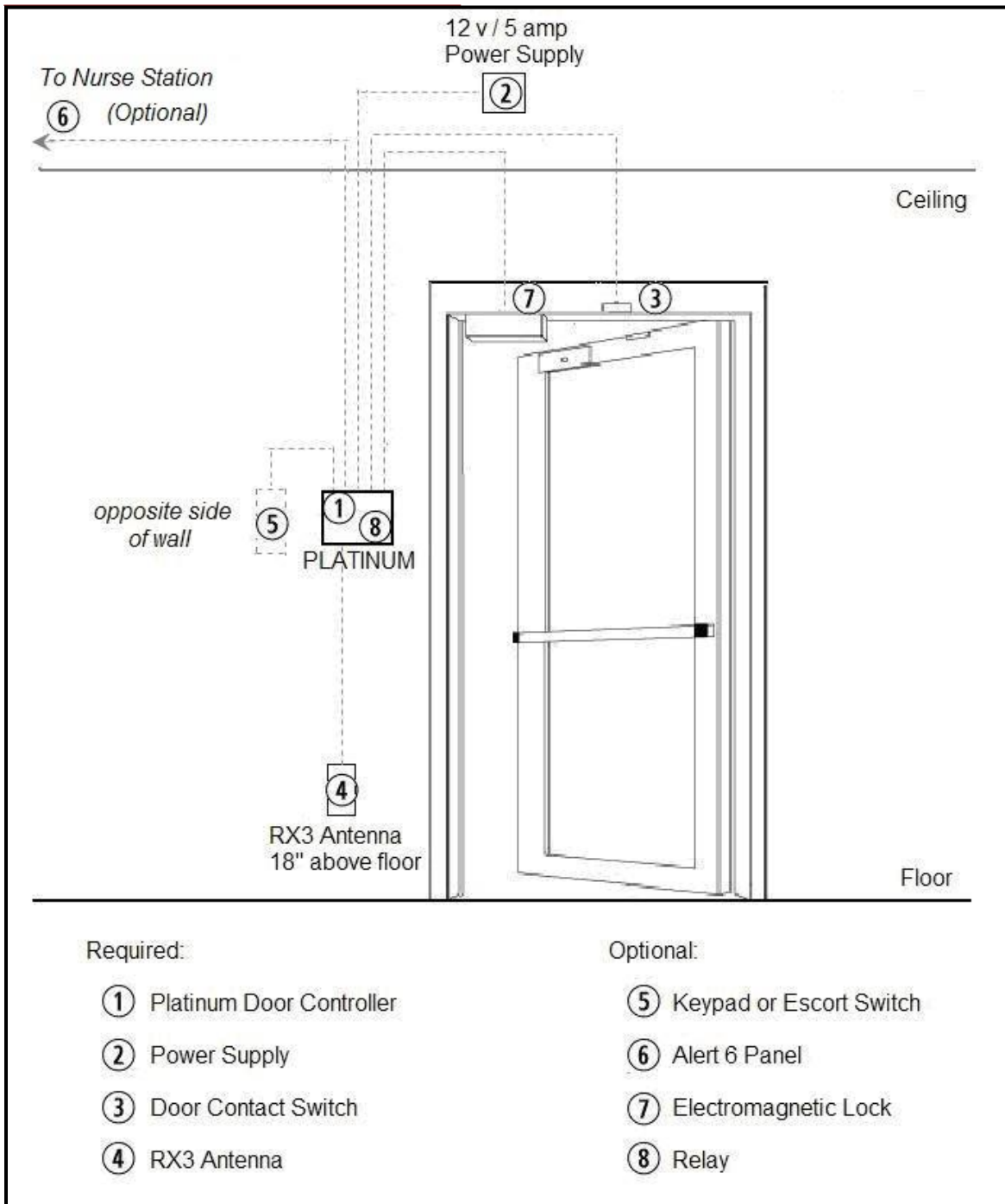
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# Magnetic Locks Installation Manual

## Installation

Figure 1. Platinum 3 Installation Diagram



**Note: Diagram depicts a Platinum 3 with an antenna. The Sentry does NOT have an antenna.**

## **This manual was written specifically for installing a Dynalock 3101B with a Platinum 3, Platinum 3B, or Sentry Door Controller.**

An installation guide from Dynalock should be included in the box with the lock. Other brands and types of maglocks can be used with wander control equipment. Please refer to the manufacturer's instructions for installation.

### **Recommendations**

#### **Wire Sizes (Suggested)**

It is recommended to use 18-2 AWG stranded, PVC coated, low-voltage wire from each door controller to the relay and electronic component.

#### **Tools (Suggested minimum)**

Screw Drivers (Flat & Phillips)  
Drill, Drill Bits  
Wire Cutters

Wire Strippers  
Volt Meter  
HSS Unibit



**It is a good idea to plan where all components will be installed before drilling holes in walls, on doors, and frames (especially maglocks and door contact switches) to ensure that doors will open and close properly without having to reset the components multiple times.**

### **Mounting**

#### **Dynalock 3101B**



**Please refer to the instructions included with the Dynalock 3101B for installing the lock on the door and door frame.**

#### **ELK 912 Relay**

The ELK 912 relay is used when installing a Dynalock 3101B or any other brand time delay egress maglock with a Platinum 3, Platinum 3B, or Sentry control box. A standard hard lock does NOT usually require an ELK 912 relay connection.

The ELK 912 is a high quality 12 volt DC relay with SPDT (Form "C") dry contacts.

Figure 2. ELK 912 Relay



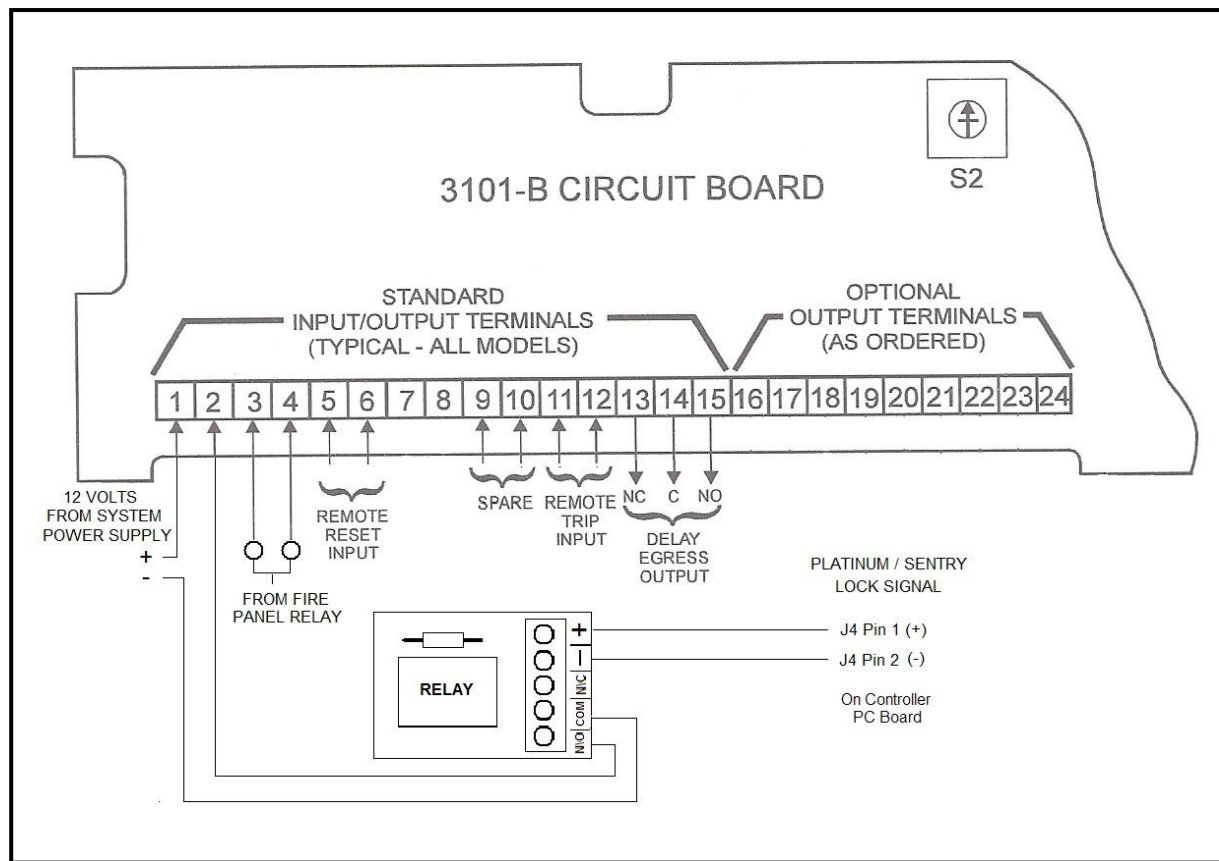
**Connections: Door Controller to Relay**

Use 18-2 AWG stranded, PVC coated, low-voltage wire.

Connect from the Platinum 3, Platinum 3B, or Sentry board jumper J4 Pin 1 to the ELK relay module plus (+) screw and J4 Pin 2 to the Elk relay module minus (-) screw.

**Connections: Relay to Dynalock 3101B**

Figure 3. Interfacing Dynalock 3101B with Wander Control Systems, Inc. Equipment



(See the picture of the ELK Relay for more detail.)

Connect the wire from the Elk 912 relay (or similar relay) N\O screw to Pin 2 on the Dynalock board.

The recommended PS-1 Pyramid power supply (other power supplies may be used) should already be installed with the Platinum 3, Platinum 3B, or Sentry system (probably in or above the ceiling). Connect a wire from the power supply positive mark (+) to the Dynalock Pin 1, and connect a wire from the power supply negative mark (-) to the COM screw on the relay.

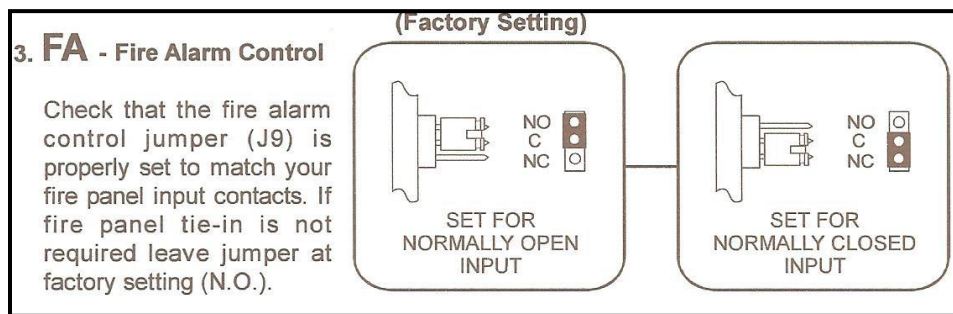
### **Fire Alarm Interface**



The fire alarm servicing organization for the facility should be contacted in advance so that the fire alarm relay is installed and activated **after** the maglock and/or electric door is connected to the WCSI equipment but **before** the WCSI system is put into service.

The figure below is the configuration for connecting the Dynalock 3101B. Refer to the installation manual of the specific lock for details on the connection to the fire alarm.

Figure 4. Fire Alarm Control with Dynalock 3101B



Most other Maglock brands will work with the Platinum 3, Platinum 3B, and Sentry. Please refer to the manufacturer's installation instructions and call WCSI tech support with any integration questions.

## **Electric Doors, Automatic Doors, & Elevators**

Connecting a Platinum 3 or Platinum 3B to an automatic door or elevator and the electric motor is similar to installation to a time delay egress maglock. If you have any further questions after reading this manual, please call our tech support department.

### **Electric and Automatic Doors**

A Platinum 3 or Platinum 3B is installed on the wall near an automatic door. The Platinum 3 or Platinum 3B sends a signal to the motor relay of the electric or automatic door to shut off when an RFID tag is in the active field. This signal disables the motor of the electric door so the door does not open or close. Should a person wearing an RFID tag try to exit while the door is open, an alarm will sound. The motor will not operate as long as an RFID tag is in the active field unless an escort code is entered in the keypad (or a push switch is engaged) for temporary access through the door. A relay such as the ELK 912 is necessary to interface with an electric door motor.

### **Elevators**

The Platinum 3 or Platinum 3B is installed on the wall near an elevator door or inside the cab of the elevator. Discuss your situation with responsible parties when determining the location of the installation. The Platinum 3 or Platinum 3B sends a signal to the motor relay of the elevator to shut off when an RFID tag is in the active field. This signal disables the motor of the elevator doors so the doors do not open or close. Should a person wearing an RFID tag try to use the elevator while the doors are open, an alarm will sound (as a user programmable option, the alarm may be silenced at the elevator while Alert 6 will show the alarm condition at the nurse station). The elevator will not operate as long as an RFID tag is in the active field unless an escort code is entered in the keypad (or a push switch is engaged).

### **Warranty**

For warranty information please visit [www.wandercontrol.com](http://www.wandercontrol.com)

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