

Installation Manual

Alert 6 Panel

(Accessory for Platinum 3, Platinum 3B,
& Sentry Door Control Systems)



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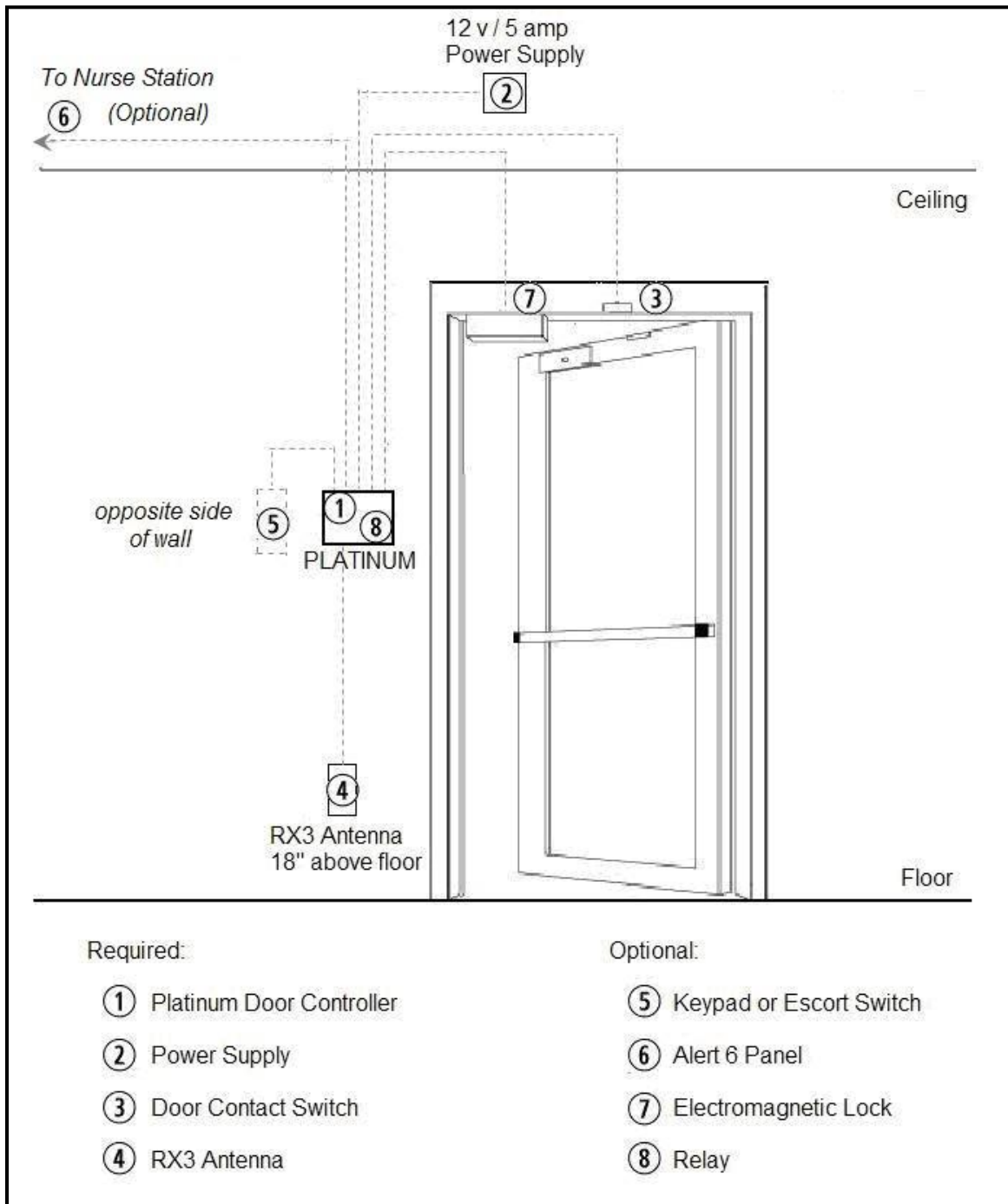
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Alert 6 Panel Installation Manual

Installation

Figure 1. Platinum 3 Installation Diagram



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

Recommendations

Each Platinum 3, Platinum 3B, or Sentry door control unit can be connected to an Alert 6 panel for an audio and visual notification at a common work area such as a nurse station or security desk. Depending on the building design and pedestrian traffic patterns, security may be enhanced when a main door or a very high traffic door is linked to more than one Alert 6 panel. However, multiple doors connected to more than one Alert 6 location can create problems (i.e., employees may be confused about who is supposed to respond to an alarm condition at a specific monitored exit or employees may be busy and assume that someone else will respond).



PLEASE consult local codes for wire requirements and other regulations.

Wire Size (Suggested)

It is recommended to use 22-2 AWG stranded, PVC coated, low-voltage wire from each door controller to the Alert 6 panel.

Tools (Suggested minimum)

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

Wire Strippers
Volt Meter
12 foot Wire Puller or “fish stick”

Once you have evaluated your Wander Control Systems, Inc. equipment components and recommendations for wire and tools, it is time to make a decision.

For installations in new construction locations or where wire will be run in the ceilings or walls and will not be exposed, it may be best to measure and run the wire before mounting the equipment on the wall.

For installations in existing locations with drop ceilings and where products such as Wiremold or Raceway are planned to be used to conceal wire, it may be more beneficial to mount the equipment on the walls and then run the wires.

Mounting

Included with the Alert 6 panel is a 12 volt/300mA plug-in type power supply that needs to be installed in a nearby secured electrical outlet and wired directly to the Alert 6 board. Consider this need when choosing the location for the Alert 6 panel.

- 1) The Alert 6 panel is shipped with a surface mount plastic enclosure. Choose a place to mount the Alert 6 at a nurse station or security desk where it can be seen and heard well.
- 2) Punch-out the desired access hole at the back of the surface mount box to use for wiring.
- 3) Mark a precise location for mounting and drill through drywall or other surface. (If necessary, wires may be run through a Wiremold channel mounted vertically, but an access hole must be drilled through the top of the surface mount box.)
- 4) Screw surface mount box (backbox) to the wall. (The backbox must be securely attached to the wall).
- 5) After the backbox has been securely fastened to the wall you may pull the wires to the box from the individual door controllers.
- 6) Once the backbox is securely mounted and all wires are pulled you may proceed to wire the Alert 6 panel to the wires that you have brought into the backbox.



Common sense should guide the decision of which light on the panel should connect to which door (i.e., unit #1 should be the main door, unit #2 should be the second most used door).

Set-up Connections

Each of the door controllers (WCSI units) must have a stranded 22 AWG wire run from it to the alert panel. **(Be sure to document the unit # and corresponding door.)** They are each then wired to the Alert 6 panel as follows below.

J1 – Controller hook ups

- Door 1 (+, -) input of Unit #1 LED
- Door 2 (+, -) input of Unit #2 LED
- Door 3 (+, -) input of Unit #3 LED

J2 – Controller hook-ups

- Door 4 (+, -) input of Unit #4 LED
- Door 5 (+, -) input of Unit #5 LED
- Door 6 (+, -) input of Unit #6 LED

J3 – Power

- (+) 12VDC positive input
- (-) 12VDC negative input

J4 – Alarm Out

- (1) Positive input
- (2) Negative output

(NOTE: The board of the Alert 6 panel uses the term “unit” instead of “door.”)

Figure 2. Alert 6 Panel Connectors



J1 & J2 on the Alert 6 board are connections for up to 6 of the Platinum 3, Platinum 3B, and/or Sentry Door Controllers. Connect a wire from Unit 1 J1 Pins 1 & 2 (which are labeled + & -) to the Platinum 3 or Sentry controller board J3 Pin 3 (labeled +) & Pin 4 (labeled -).

**Connect wires from one plus mark (+) to the other plus mark (+),
and from one minus mark (-) to the other minus mark (-).**

Repeat for Unit 2 to a second Platinum 3, Platinum 3B, or Sentry controller, and continue for up to six Platinum 3 or Sentry controllers per each Alert 6 panel.

J3 – Connect red wire to positive (+) pin and black wire to negative (-) pin, then plug power supply into a secured outlet.

J4 is for optional accessories. (See below.)

Connecting to Other Devices

The Alert 6 panel can be used to drive other low-voltage communication and/or alarming devices like alphanumeric paging systems, strobe lights, dedicated audible devices, and voice modules by connecting them to jumper J4. Consult the manufacturer’s installation manual for that particular device for system integration instructions. If more assistance is needed, then contact WCSI Tech Support.

Wireless Set-up

Wander Control Systems, Inc. recommends that each Alert 6 panel be hardwired directly from a Door Control Unit, but some alarm installation contractors have reported good results from using a wireless universal transmitter which can save time and expense in pulling wire.

The “Inovonics EN1210 – Single Input Universal Transmitter” has been used with success in several locations with the Wander Control Systems Door Controllers and Alert 6 panels. Please consult www.inovonics.com for system integration, purchasing information, and support on this product.

Troubleshooting

The Alert 6 panel is extremely reliable. In the rare instance that you have a problem with Alert 6:

- 1) Check the electrical connection and the power supply
- 2) Check the wires (or wireless transmitter if installed) connected from each door controller

**THIS DOCUMENT, OTHER MANUALS, GUIDES, AND
SUPPORT MATERIALS CAN BE FOUND ON OUR WEBSITE.**

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