

Quick Start Guide



For full instructions and specifications, scan the QR code to download the **NA-2 Installation and Service Manual W12848**



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1 Mounting the Controller

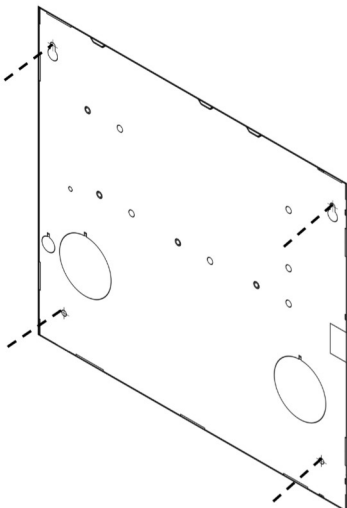
First, select a mounting location within a secure, limited access area, ensuring the NA-2 is mounted on the secure side of the door. Identify the wall construction type (e.g., dry-wall, concrete, masonry) where the NA-2 will be installed.

- Important:** To ensure proper power delivery, the wire from the AC Power Adapter to the NA-2 board should be 18 gauge (or less) and **not exceed 8 ft.** If using the POE Module (NA1POEBD1A) follow standard POE wiring requirements, which allow cable runs up to 328 ft. (100 meters) using cat5e or higher ethernet cable.
- Ensure there is enough space on the wall to mount the NA-2 enclosure without interference from wires, pipes, or other obstructions. If applicable, seal unused knockouts with UL-listed knockout plugs. Additionally, verify that there is sufficient free space on both sides of the NA-2 cabinet for proper cabling.

1. Mount the NA-2 Cabinet:

Select the mounting location, then mark the four mounting holes on the wall using the NA-2 cabinet as a template. Ensure you mark the small oval portion of the screw holes. Drill pilot holes to the appropriate depth and size, then insert the top two screws, leaving about one-quarter of the screw length protruding. Do not tighten completely.

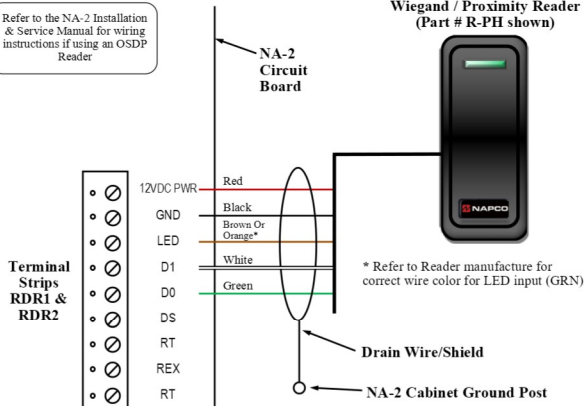
2. Secure the Cabinet: Position the NA-2 cabinet over the top screws and attach the lower two screws. Tighten all screws fully to secure the cabinet. Use all four screws to mount the cabinet: four 1/4" x 3/4" wood screws for plywood, or four 1/4" toggle bolts for sheetrock.



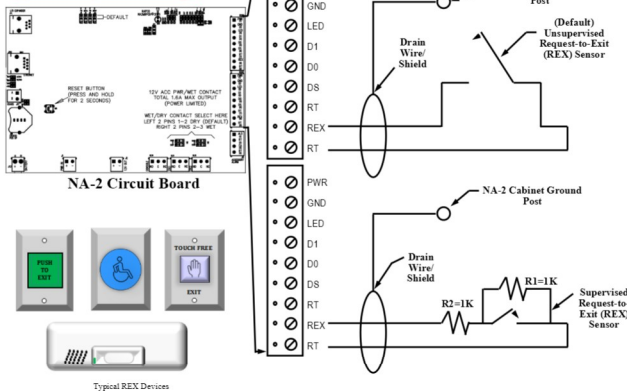
2 Wiring the controller (Tip: Terminal blocks pull apart)

"WIEGAND READER WIRING"

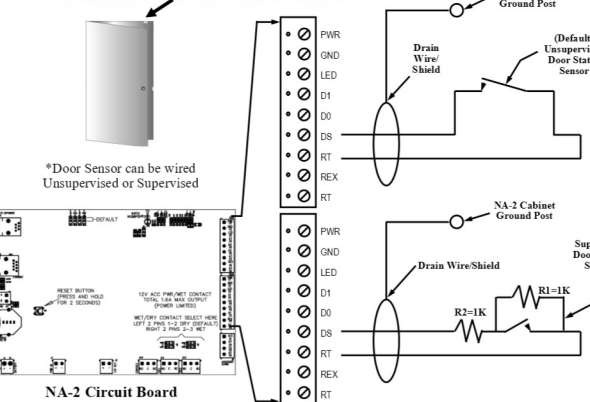
Refer to the NA-2 Installation & Service Manual for wiring instructions if using an OSDP Reader



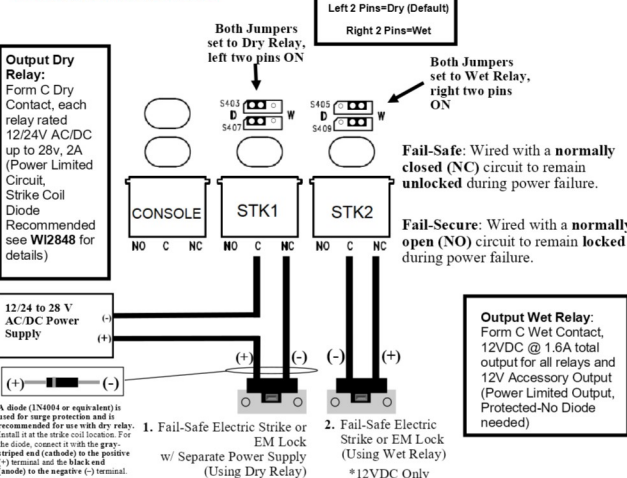
"Request to Exit (REX) Wiring"



"DOOR SENSOR WIRING"



"RELAY CONNECTIONS"



3 Ethernet Connection

Ethernet Communication

The NA-2 establishes a connection to the MVP cloud via the internet. Each controller requires an individual Ethernet connection to communicate with the MVP cloud. By default, the controller's Ethernet adapter is set to DHCP, allowing it to automatically obtain an IP address once connected to the customer's network (Internet access is required). Assigning a Static IP is optional. If a static IP address is needed, you can use the Universe Finder Utility Software.

Network Cable Requirements

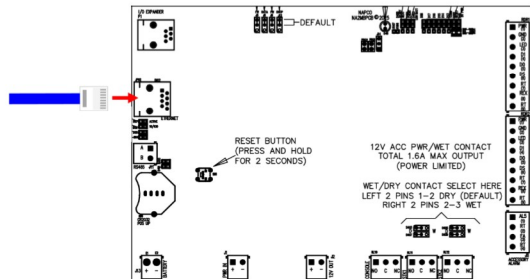
Using the Ethernet 10/100 Base-T communications requires the use of Cat5, Cat5e or Cat6 24/26 AWG UTP cable. The length should not exceed 100 meters (or 328 feet)

Universe Finder Utility

If a static IP address is needed, you can use the **Universe Finder Utility Software**. To download the latest version, go to <http://tech.napcosecurity.com> and navigate to **Software Downloads > Napco Access Pro**.

To connect the NA-2 controller to the network:

1. Using a standard Ethernet cable, plug one end into the main Ethernet RJ45 jack on the NA-2 controller.
2. Plug the other end into an available LAN port on the customer's network device, such as a router, network switch, or hub.
3. Once powered on and connected, the controller will automatically obtain an IP address via DHCP and begin checking into the cloud, provided the network has internet access.



4 Powering up the Controller

DC Power Supply

The NA-2 includes a 12VDC 2.5A Switching Power Supply Adapter that converts AC 100-240V, 50/60Hz to a 12VDC output via a wall plug.

To power up the NA-2 controller:

1. Connect 18AWG wire to the Positive (+) and Negative (-) screw terminals on the supplied 12VDC, 2.4A transformer. **Important: To ensure proper power delivery, the wire from the AC adapter to the NA-2 board should be 18 gauge (or less) and not exceed 8 feet.** Route the wires into the enclosure using a cable clamp, conduit, or in-wall knockouts. Connect the Positive (+) lead to the left and the Negative (-) lead to the right screw terminal of **J1** on the DC Input Power Terminal Block, located on the bottom of the NA-2 control board. Ensure power and relay cables are kept separate from alarm and communication cables. A DC power-in pull apart terminal block is included for convenient connection to the incoming DC power supply.

2. **Power On:** After confirming all connections are secure, plug the transformer into a standard wall outlet.

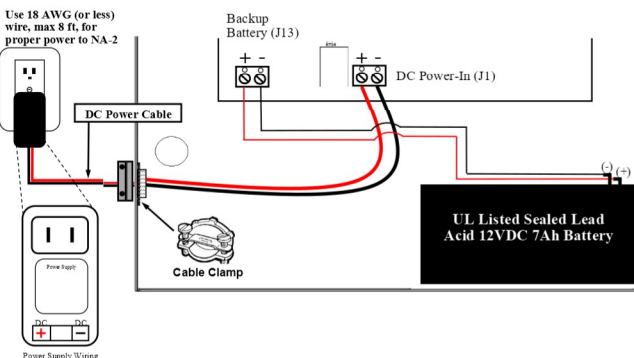
Note: The transformer requires a dedicated, unswitched AC outlet to provide constant 12V DC to the control board.

3. Connect a **UL Listed Sealed Lead Acid 12VDC 7Ah Battery** to the battery terminals, as shown below, observing correct polarity.

*Standby Power with max reader load: 4 HRS (NA-2)

*Standby Power with max reader load and 400mA EM Locks: 2 HRS (NA-2)

*See NA-2 Installation & Service Manual **WI2848** for full controller specifications.



5 Programming

Depending upon the Software Platform you are using, please **scan** or **click** the QR Code to Get Started!

Please note: Only one platform can be used, as features set are different in the MVP EZ version vs MVP Access. Please refer to the comparison matrix for details. Click or go to <https://tech.napcosecurity.com> and select **Enter Napco Access Pro > Browse by Product Type > MVP Access** and download **MVP Platform Comparison Matrix**.

MVP EZ

Configuration and Control Options:

Setup and Programmed using an Easy Phone App configuration. Configure, Command & Control system of doors, all from a smartphone, scan devices into system w/ QR codes.



MVP EZ is available on Apple iOS and Android. System must be initially setup and programmed using the mobile app. Download the MVP EZ mobile app and then scan the QR code for steps on how to get started!



MVP ACCESS

Configuration and Control Options:

MVP Access is a robust enterprise-level access control solution that can be programmed and managed from virtually any PC—whether at the dealer's office, the integrator's location, or directly at the customer site. The system supports both fully remote configuration and a hybrid approach that combines remote access with on-site browser setup. Dealers and integrators can customize the system to fit client needs, including setting parameters like the number of doors. All setup and ongoing management are performed via a secure web client. The system can also be controlled through the same web interface or for administrators, the MVP Access Admin app delivers nearly all system management capabilities on the go.



MVP Access is available for both Apple iOS and Android devices. Mobile Operator Credentials must be configured first though <https://mvpaccess.online>. Scan the QR code for steps on how to get started!



Feature	Specifications
CardAccess Compatibility	Full function on or off line
Card Holder Credential Capacity	25,000 Card Holders
Number of Doors Supported	2 doors
Reader Types	Wiegand / Proximity, Magnetic Stripe, Prox / PIN and OSDP support using port J11. (4 bit, 8bit, Wiegand 26 bit)
Reader Capacity	2 Readers
Reader Power Output	12VDC, 200mA max per reader (Total 400mA)
Reader LED Outputs	2 active low LEDs, one per Reader (50mA limit)
Supervised Alarm Inputs	5 on Board: (2) Door Contacts (2) Request to Exit Devices plus (1) Accessory Alarm Inputs. All inputs are dry contacts only.
Output Relays	2 on board. Form C, Selectable for Wet/Dry. Dry Relay, 2 Amps per Relay @ 12/24V up to 28V AC/DC; Wet Relay 1.6 Amps Total for both relays including the 12V Accessory Output @ 12VDC.
Console Relay	1 on board. Form C, Dry Relay Only, 2 Amps @ 12/24V up to 28V AC/DC
12V Out	12VDC Output, 1.6A total combined, shared with the two Wet Relay Outputs (Power Limited Output). Battery Backed.
Relay Circuit Protection	All relays - Circuit protected
Memory	16MB on board
FRAM	1,250 Standard transaction buffer. FRAM 512KB Dedicated
Access Modes	Card Only, Unique PIN only, Card and PIN, Common Code, Free Access
Ethernet Port	One 10/100 Base-T (Built-in)
Communication Modes	Ethernet—10/100 Base-T
Data Encryption	AES128 Encryption
Downloadable Firmware	Via Software Request with Fast Server Loaded to FLASH memory in 20 seconds or less.
Diagnostic LEDs	Main Interface Board DC Power Indicator—(1 LED) - Viewable through cabinet door
Clock Battery Backup	Greater than 5 years at 25°C (field-replaceable by qualified service personnel only)
Battery Backup	12V 7AH Battery (UL Listed Sealed Lead Acid 7Ah Battery recommended) Standby Power with max reader load: 4 HRS (NA-2) Standby Power with max reader load and 400mA EM Locks: 2 HRS (NA-2)
Enclosure Dimensions (Height x Width x Depth)	Cabinet: Height: 11" (279.4 mm) Width: 12" (304.8 mm) Depth: 3" (76.2 mm)
Weight	5 pounds (2.267Kg), approx. 10 lbs. (with a 7AH battery installed)
Power Supply Voltage	Input—AC 100-240V, 50/60Hz Output — 12.6VDC @ 2.5Amps