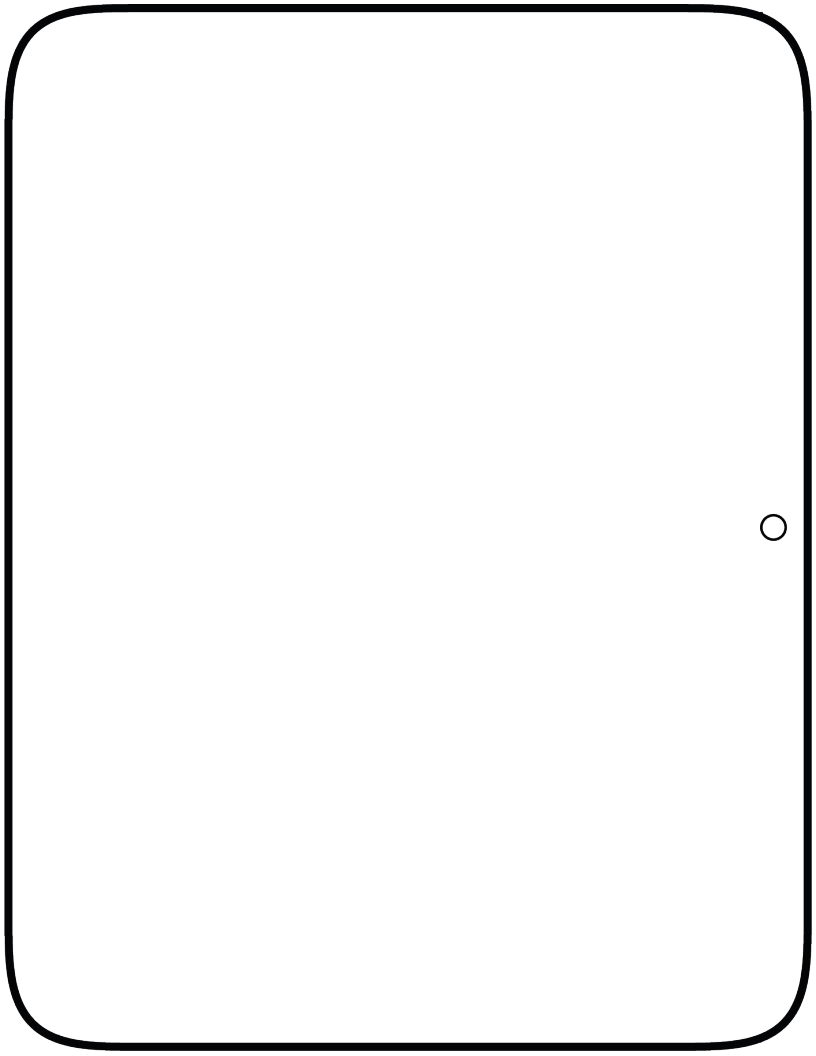
Install Guide

B**P41** Alarm Panel



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sales@verkada.com

What's in the box

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- 1 BP41 Alarm Panel
- 1 Wall mount plate
- 1 T10 Security torx screwdriver
- 4 Mounting screws and wall anchors
- 32 1kΩ EOL resistors
- 1 AC Power cable

What you'll need

- A working wired Internet connection over Ethernet
- A smartphone or laptop
- 1 Flat head screwdriver
- A #2 Phillips screwdriver or power drill with a #2 Phillips driver bit
- 5/16 inch (7.9mm) drill bit for wall anchors
- 5/32 inch (4mm) drill bit for pilot holes
- A Cat5 or Cat6 Ethernet cable

Connect

After connecting BP41 to Ethernet and an AC outlet,
visit www.verkada.com/start

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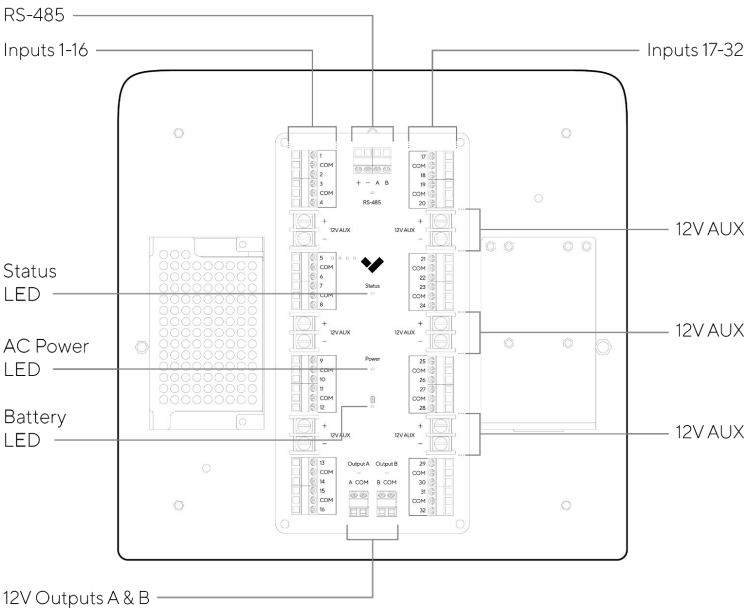
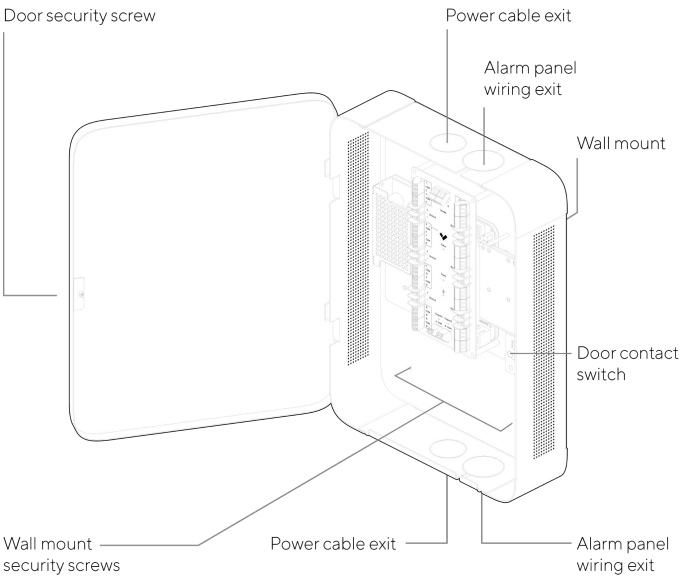
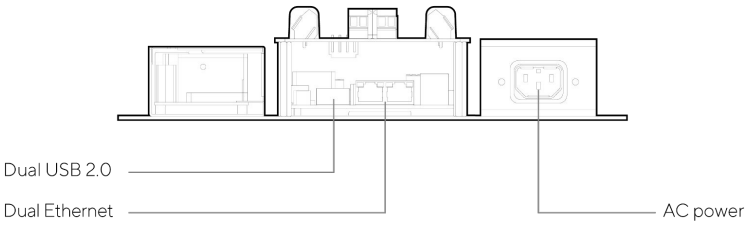
Alarm Panel Details







LED Behavior

Solid Orange
Alarm panel is on and booting up.

Flashing Orange
Alarm panel is updating firmware.

Flashing Blue
Alarm panel is managing inputs and outputs, but cannot reach the server.

Solid Blue
Alarm panel is managing inputs and outputs.

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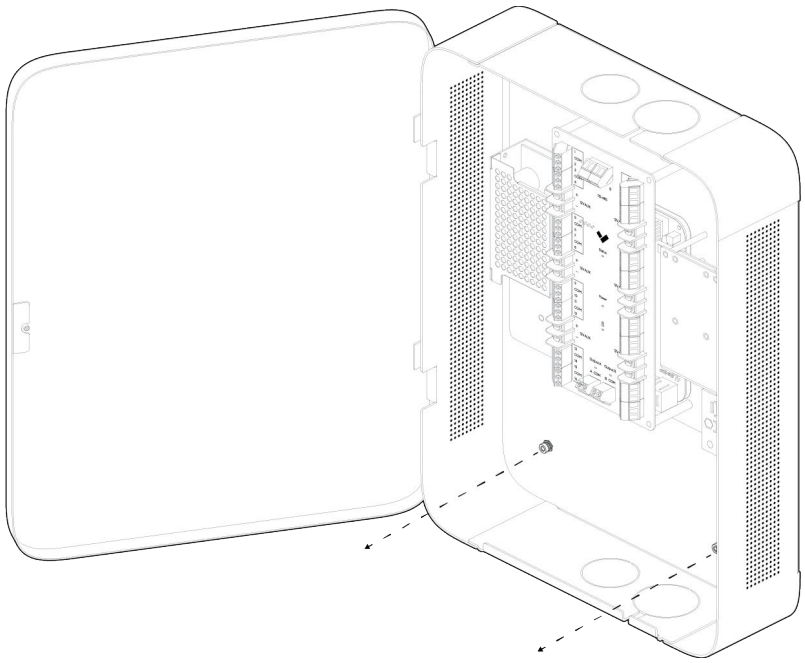
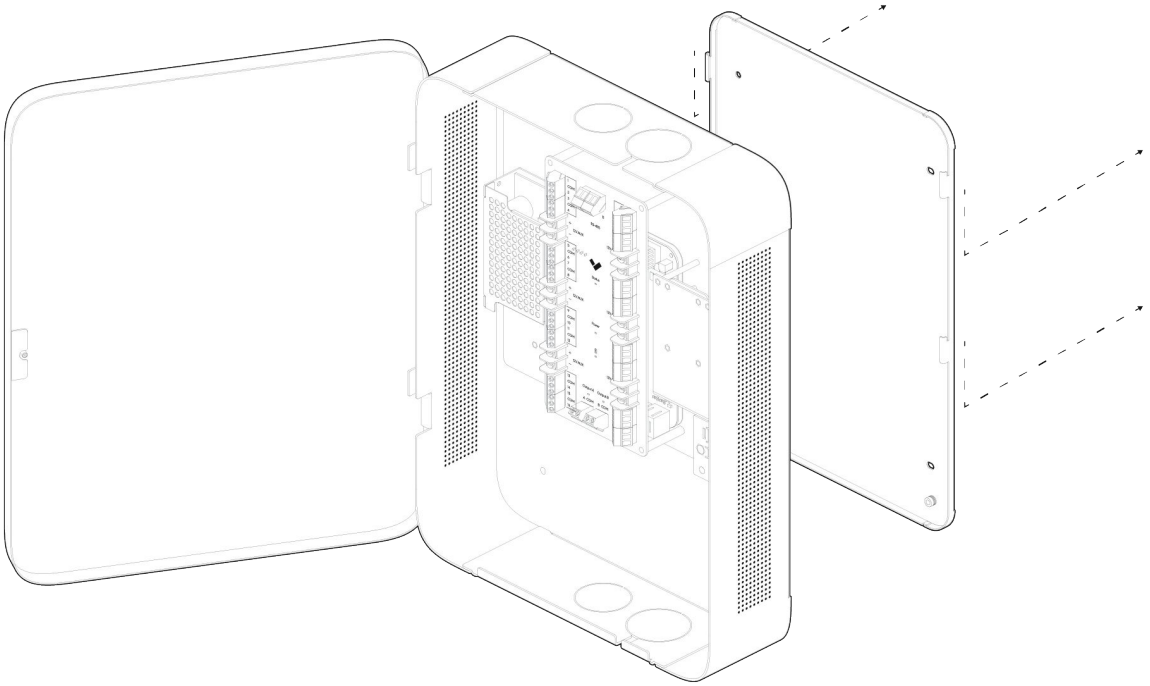
Mounting 1/2

To remove the wall mount, unscrew the two security torx screws from the inside.



Once the security screws are fully removed, slide the wall mount down and away from the main enclosure.



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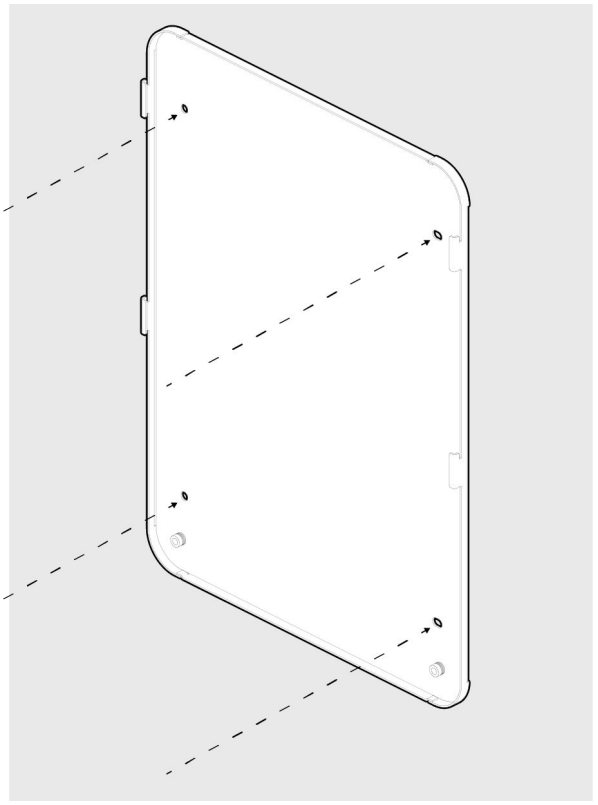
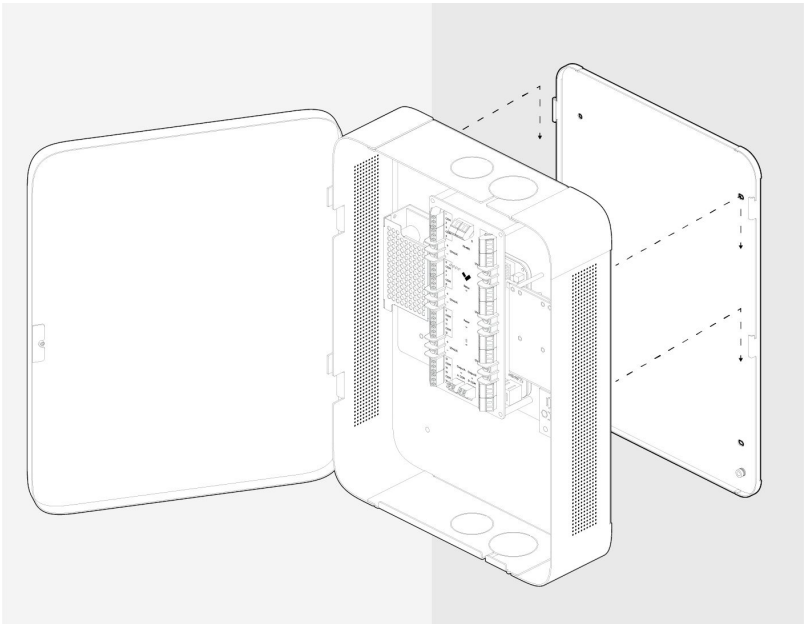
Mounting 2/2

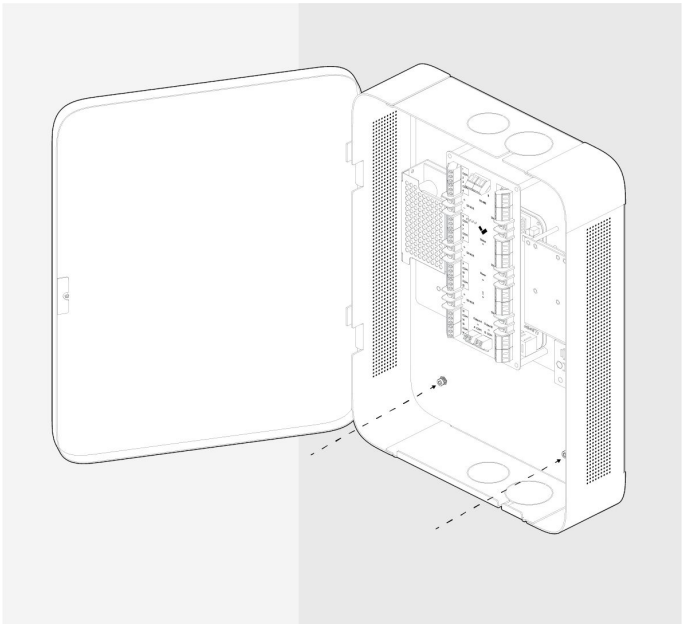
Drill four 5/16” Ø holes into the wall. Insert the drywall anchors into the holes. Fasten the mount plate onto the wall by installing the mounting screws into the wall anchors.

Drill four 5/32” Ø holes into the wall. Fasten the mount plate onto the wall by installing the mounting screws into the pilot holes.





Place the sheet metal enclosure over and onto the mounting plate tabs.



Fasten the two security torx screws to secure the enclosure to the mounting plate.

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Wiring

Current Limiting Resistor
If a powered peripheral has inrush current over 10A, an in-line current limiting power resistor of 10Ω should be used to ensure peripheral does not exceed max power draw, which may disrupt normal operation.

Max Line Resistance
The maximum line resistance for input wire runs should be less than 100Ω, exclusive of end-of-line supervision resistors.

Max Power
For programmable 12V Outputs A and B: 1A max per output. For 12V AUX terminals 2A max combined.

End-of-Line Resistor (EOLR) Supervision
EOLR supervision of inputs is optional on the BP41, and resistors do not need to be installed for normal operation. The panel does support single EOLR and double EOLR supervision modes. The supervision mode for each input can be configured in Command. 1KΩ resistors may be used for both single and double EOL supervision.

Battery Backup
Battery should be sized to provide at least 4 hours of operation. The BP41 consumes 350mA with no sensors connected.

AC Field Wiring
If AC power is brought in via conduit, cut and splice wire going from AC inlet to PSU.

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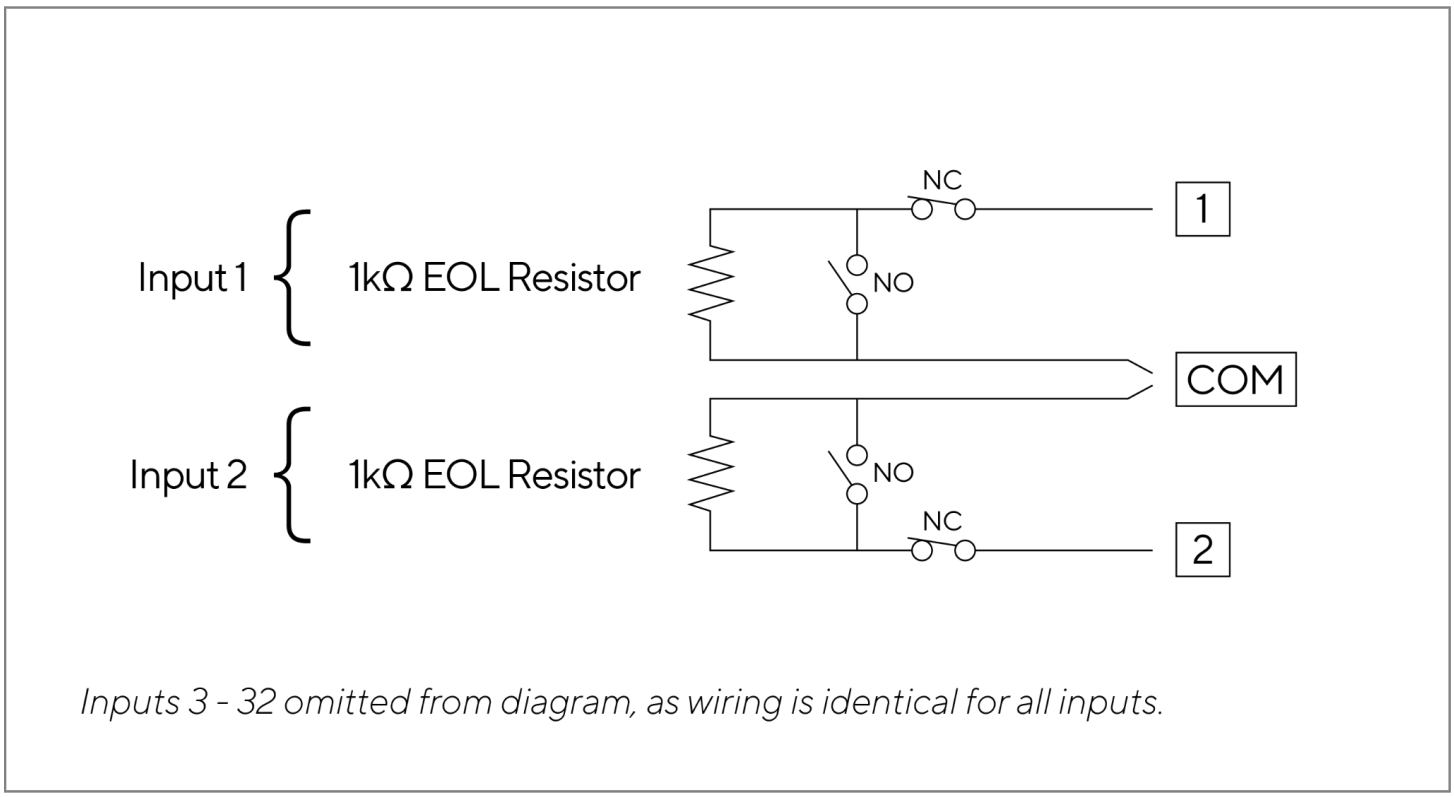
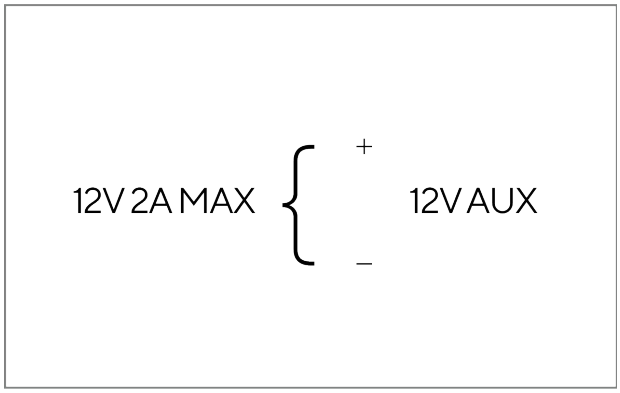
Wiring Diagram

Input
Line resistance should be less than 100Ω exclusive of EOL resistor.

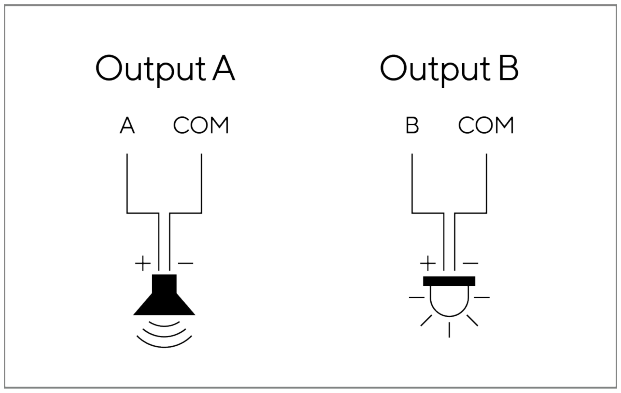


Inputs 3 - 32 omitted from diagram, as wiring is identical for all inputs.

12V AUX
Maximum current draw across all 6 12V AUX outputs must not exceed 2A.



12V Programmable Output
Examples below are illustrative. Any 12V alarm signaling device can be used with either output.



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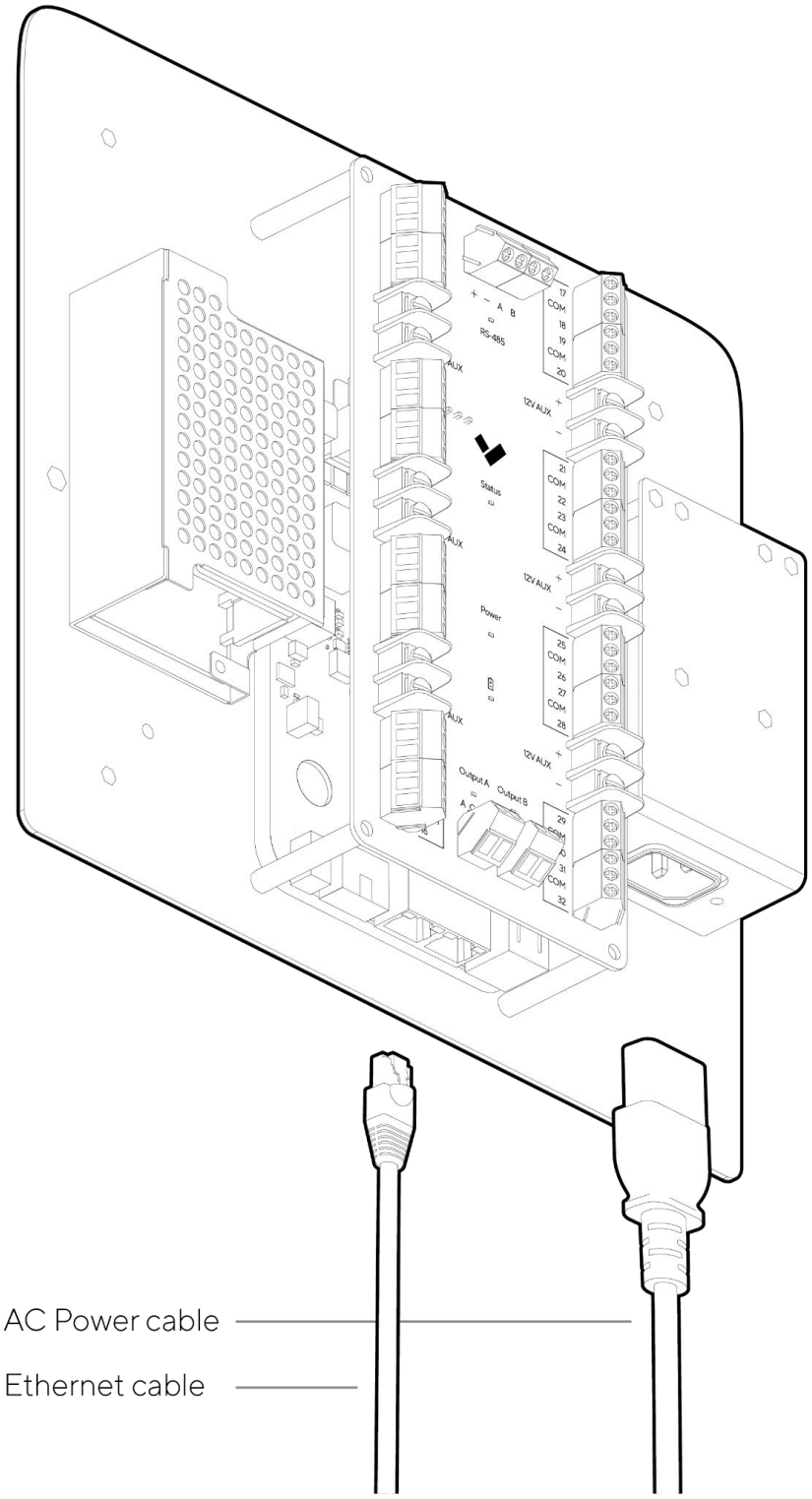
Connect

Connect the BP41 to your network using either of the Ethernet ports located at the bottom of the alarm panel. If you are adding an additional BP41 unit to your system, you can connect BP41s by Ethernet.

Connect the BP41 power supply into your standard power outlet (120 VAC).



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Appendix

BP41 Compliance

FCC Statement	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Radiation Exposure Statement: The product comply with the FCC portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.
IC Statement	This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Le présent appareil est conforme aux CNR d' ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable. Radiation Exposure Statement: The product comply with the Canada portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available. Déclaration d'exposition aux radiations: Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les Etats-Unis et le Canada établies pour un environnement non contrôlé. Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

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Appendix

Support

Thank you for purchasing this Verkada product. If for any reason things don't work right, or you need assistance, please contact us immediately.

verkada.com/support
Sincerely, The Verkada Team

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