PRODUCT INFORMATION BULLETIN

DATE: November 2026 (Rev C)

SUBJECT: Installing PWRmanager with PWRcell 2

MODELS AFFECTED:
- Generac Smart Disconnect Switch (SDS) (firmware version 1.14.1 or higher)
- PWRmanager (Part Number G0080090-PC2; firmware version 2.3.2 or higher)

OVERVIEW: New hardware and firmware unlock the ability to install PWRmanager in combination with a PWRcell 2 ESS. Combining load management with a PWRcell 2 ESS will protect against system overloads and extend battery duration in an outage. See ***Figure 1***. PWRmanager can control up to 12x 120 VAC circuits or up to 6x 240 VAC circuits and up to 2x low-voltage HVAC thermostat control circuits.

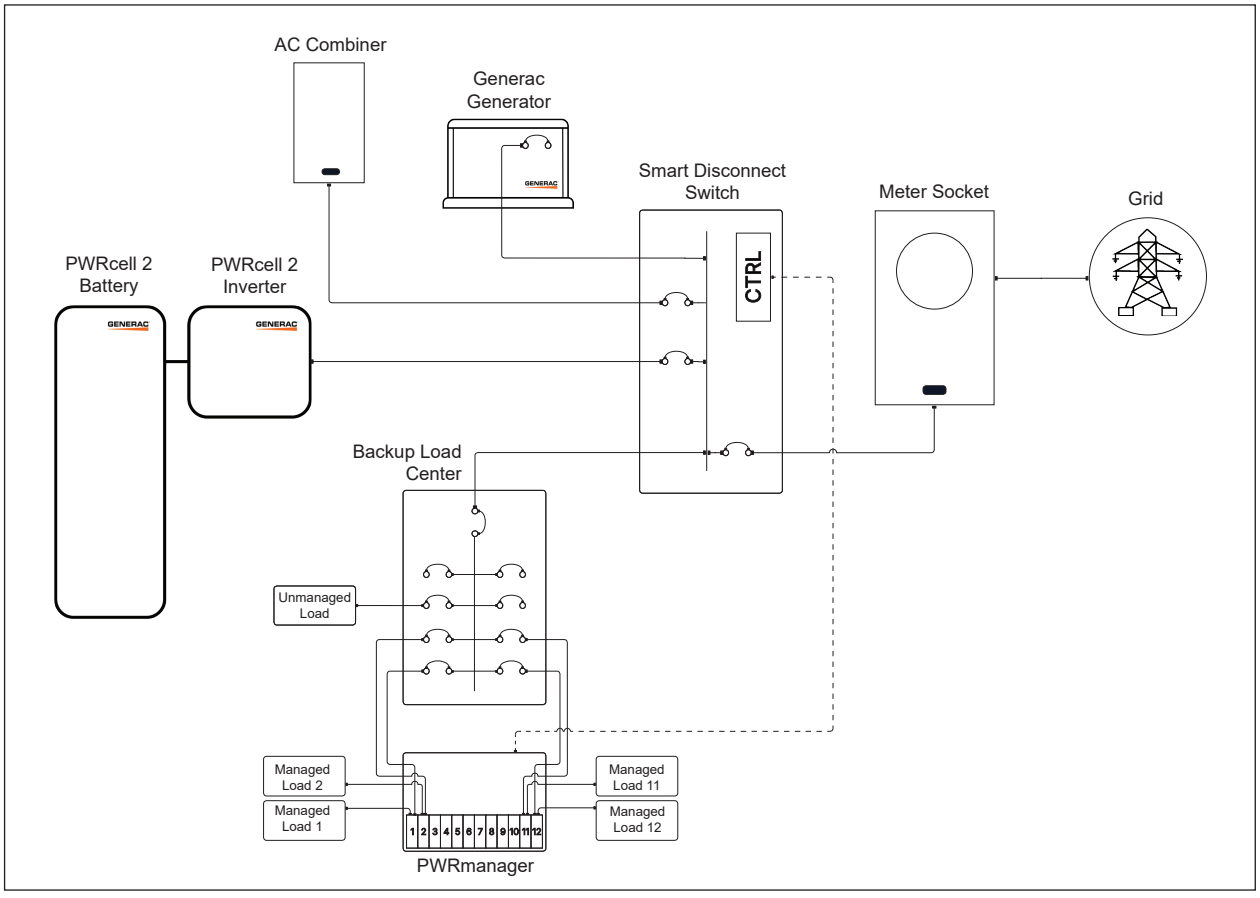


Figure 1. Installing PWRmanager with PWRcell 2

WARRANTY: Information Only

INSTALLATION DETAILS: Always use wiring methods in accordance with the National Electrical Code (NFPA 70). See the PWRmanager Installation Manual for complete installation guidelines.

Confidential information subject to Article V of the Domestic Non-Exclusive Buy/Sell Agreement. Do not disclose.

Before Connecting Control Wiring to PWRmanager

The Generac SDS must be running FW version 1.14.1 or higher prior to connecting a PWRmanager to the PWRcell 2 system.

Overview of steps:

NOTE: To establish operation between PWRcell 2 and PWRmanager, perform installation and commissioning steps in the following order:

1. Install the PWRcell 2 system.
2. Commission the PWRcell 2 system separately using Field Pro and verify Generac SDS is running required FW version 1.14.1 or higher.
3. Mount and wire PWRmanager.
4. Connect Control Wiring to PWRmanager from Generac SDS.
5. Access PWRmanager local access network.
6. Configure managed loads.
7. Connect PWRmanager to Wi-Fi®.
8. Add PWRmanager to the device list in Field Pro.
9. Verify PWRmanager Registration in PWRfleet.

Wiring PWRmanager

⚠WARNING

Electric Shock. Only a trained and licensed electrician should perform wiring and connections to unit. Failure to follow proper installation requirements could result in death, serious injury, and equipment or property damage.

(W000155)

Proceed as follows to wire PWRManager:

1. See ***Figure 2***. Route and connect a neutral wire (A) from the neutral bar in the breaker panel to the neutral lug in PWRmanager.

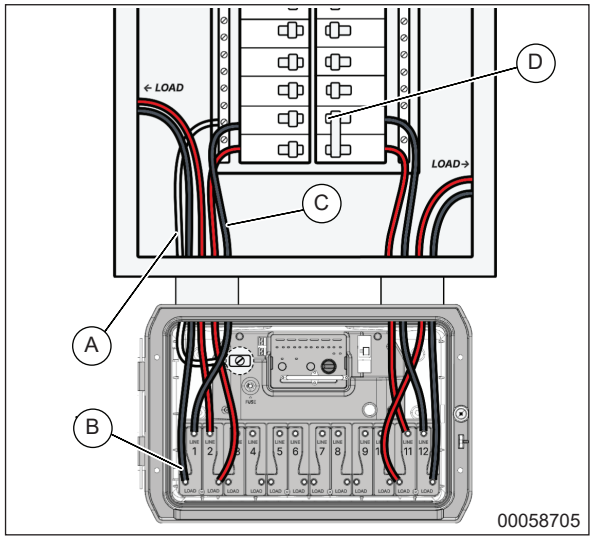


Figure 2. Wiring PWRmanager

Confidential information subject to Article V of the Domestic Non-Exclusive Buy/Sell Agreement. Do not disclose.

2. In the breaker panel, identify circuit(s) to be managed by PWRmanager and remove the branch circuit wiring from the breaker.
3. Run branch circuit wire (B) for the load through conduit into PWRmanager and terminate at Relay 1 LOAD terminal.

   NOTE: Relay 1 must be connected to a circuit on Line 1 to provide power to PWRmanager. Terminate a circuit from Line 2 to Relay 2 to establish correct phasing at PWRmanager.
4. Run a separate wire (C) from the LINE terminal of Relay 1 back to the circuit breaker where the branch circuit wire was removed.
5. Repeat steps 2-4 for each additional circuit to be managed with PWRmanager.

   NOTE: When wiring a two-pole circuit (D), Line 1 and Line 2 must be run to compatible relay pairs: 1&2, 3&4, 5&6, 7&8, 9&10, 11&12.
6. See ***Table -1***. Tighten relay lugs in PWRmanager to the following specifications.

Table -1. Torque Values

Connection	Wire Gauge	Torque
Circuit Relays	10 – 14 AWG	20 **in-lb** (2.25 Nm)
	6 – 8 AWG	25 **in-lb** (3 Nm)
Neutral	12 AWG	20 **in-lb** (2.25 Nm)

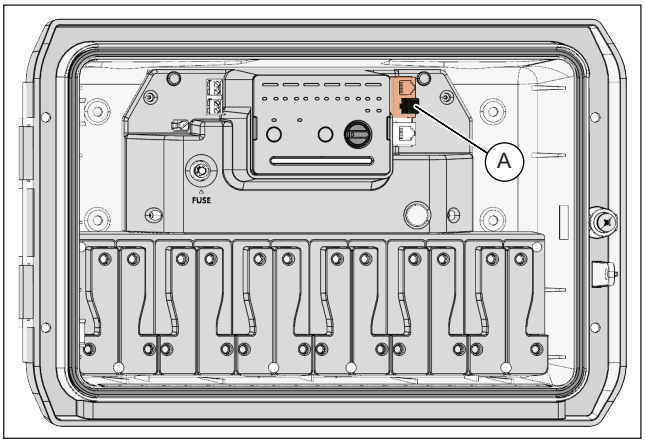
Connecting Control Wiring

The control circuit daisy chain may be no longer than 262.5 ft (80 m) total across all devices.

NOTE: There must always be one termination resistor at each end of the control circuit daisy chain.

Proceed as follows to connect control wiring:

1. See ***Figure 3***. PWRmanager has a termination resistor (A) pre-installed in one of the two RJ45 “PWRtalk” ports. Install PWRmanager so it takes the place of SDS at one end of the control circuit daisy chain.



00058706

Figure 3. Pre-Installed Termination Resistor

Confidential information subject to Article V of the Domestic Non-Exclusive Buy/Sell Agreement. Do not disclose.

2. See ***Figure 4***. Remove the terminal block with the termination resistor at the SDS controller and replace it with the 4-pin lever-lock terminal block from the SDS hardware kit.

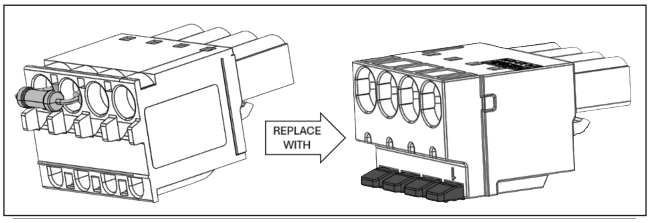


Figure 4. Removing the Termination Resistor from SDS

3. See ***Figure 5***. Use 600 Volt-rated, 18 AWG, shielded, 4-conductor cable to route between the Generac SDS and PWRmanager. Terminate blue to CNTRL -, orange to CNTRL +, black to GND, and red to 24 V+ at one of the CNTRL terminal blocks on the SDS Controller (A).

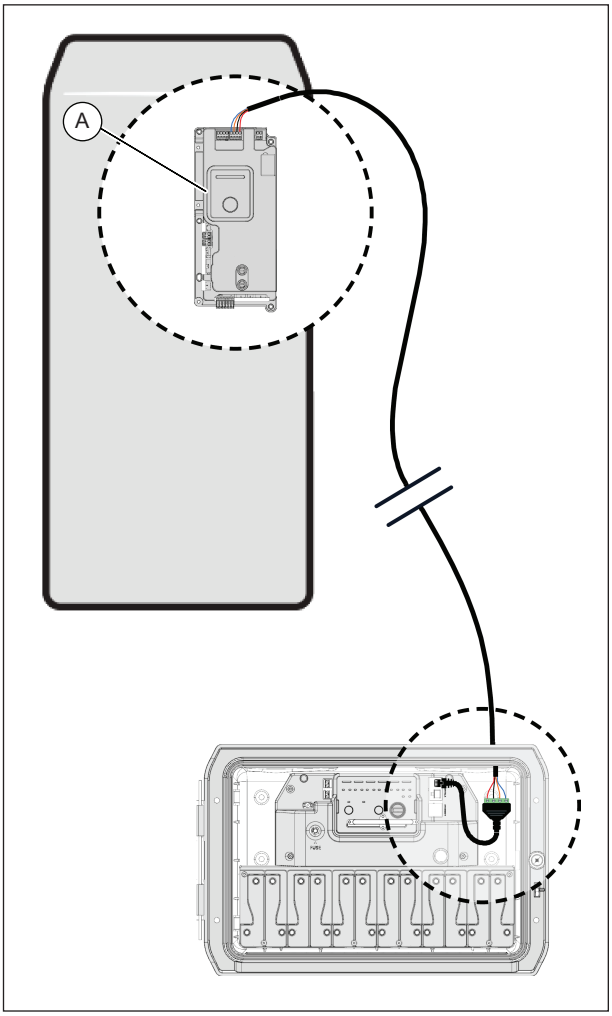
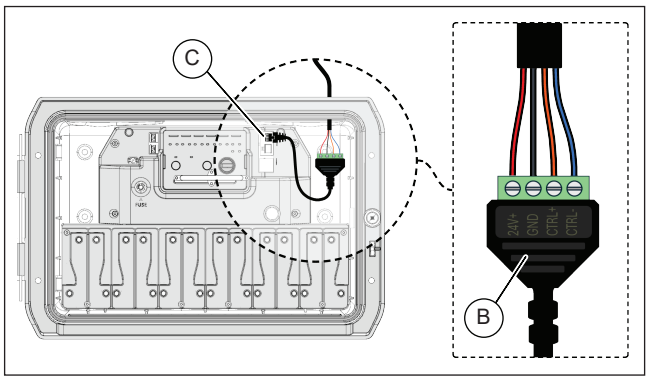


Figure 5. Routing Control Wiring

Confidential information subject to Article V of the Domestic Non-Exclusive Buy/Sell Agreement. Do not disclose.

4. See ***Figure 6***. On the 4-pin screw terminal of the control wiring adapter (B), terminate the four wires from the control cable. Follow label on adapter.



00058710

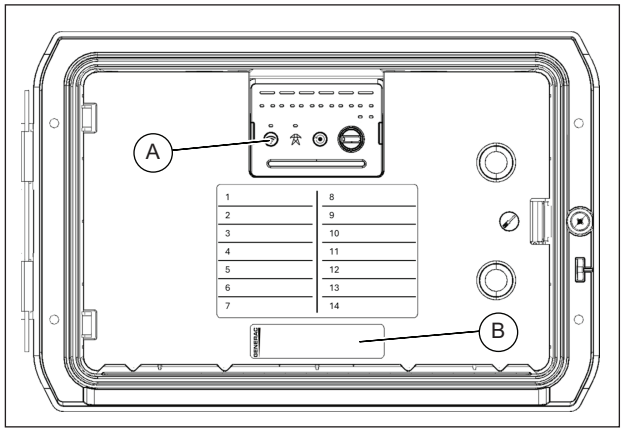
Figure 6. Terminating Control Wiring at PWRmanager

5. Connect the RJ45 data plug from the control wiring adaptor to the open “PWRtalk” port (C) at PWRmanager.

Gaining Local Access to PWRmanager

Proceed as follows to connect to the PWRmanager web interface via local access network to configure managed loads:

1. Turn on power to PWRmanager by closing the breaker connected to Relay 1.
2. See ***Figure 7***. After PWRmanager has been powered on, press the Wi-Fi button (A) on the user interface panel. The Wi-Fi LED will begin blinking green.



00058744

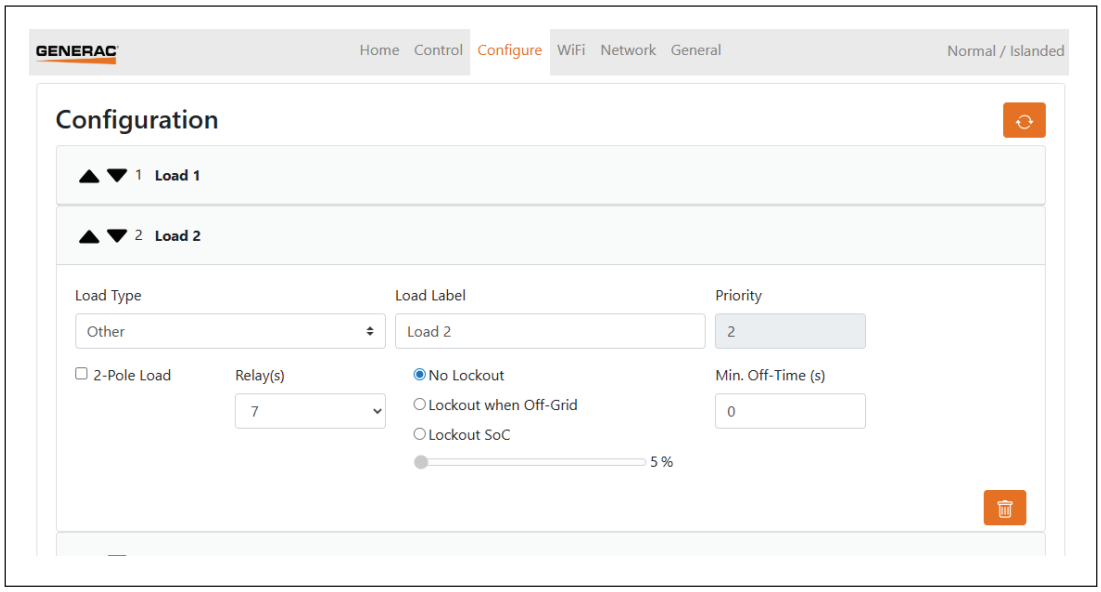
Figure 7. Gaining Local Access to PWRmanager

3. See the Product Information Label (B) and note the following values: Wi-Fi SSID, Wi-Fi Password, Admin username & Admin password.
4. On an internet-capable device (e. g., smartphone, tablet, laptop) find and connect to the network which matches the “Wi-Fi SSID” from the label.
5. When prompted, use the Wi-Fi Password from the label to connect to the network.
6. Open a web browser and enter ***http://10.10.10.10*** in the address bar.
7. When prompted, enter the Admin username and Admin password from the label, then sign-in to the PWRmanager web interface.

Confidential information subject to Article V of the Domestic Non-Exclusive Buy/Sell Agreement. Do not disclose.

Configuring Managed Loads

See ***Figure 8***. Navigate to the Configuration page of the PWRmanager web interface to add managed loads and configure load settings.



00058745

Figure 8. Configuring Managed Loads

Connecting to the Home Wi-Fi Network

Proceed as follows to configure the Wi-Fi connection for PWRmanager once managed loads are configured:

1. On the PWRmanager Web Interface Home Page, select “Wi-Fi” from the main menu.
2. On the Wi-Fi page, there will be a list of available Wi-Fi networks – select the desired network.
3. Enter the password for the selected network and click “Join”.
4. Click “Proceed on the About To Join A Wi-Fi Network” dialogue box.

   NOTE: If connection is successful, the device used to access the PWRmanager Web Interface will lose connectivity with the PWRmanager’s Local Access network and will need to be reconnected to PWRmanager using the Home Wi-Fi network.

The PWRmanager Web Interface will be opened using the Home Wi-Fi network.

Verifying PWRmanager in the Field Pro Device List

Proceed as follows to verify the device appears in the Field Pro device list when PWRmanager installation and configuration is complete:

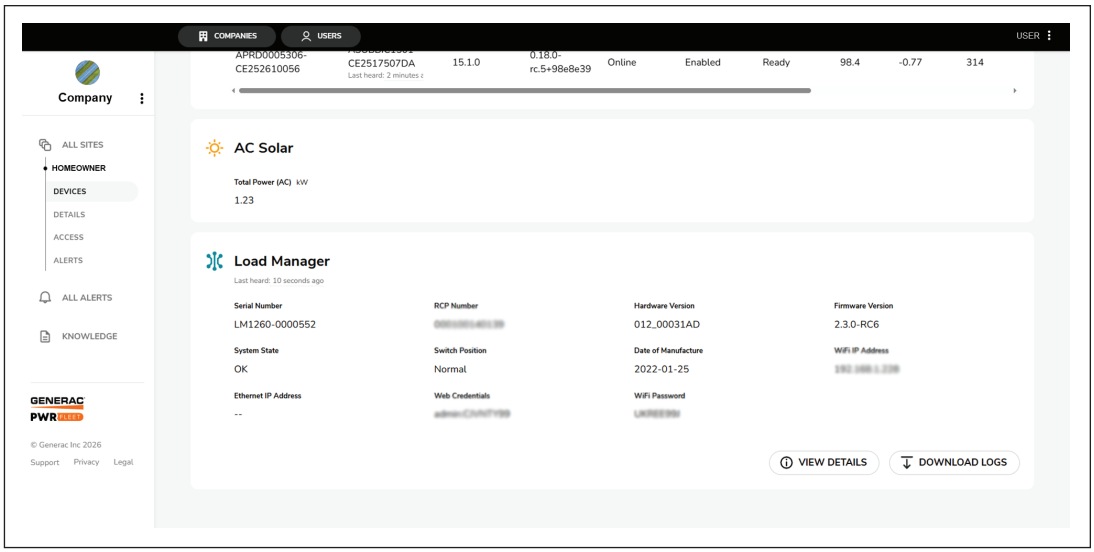
1. Log-in to Field Pro and select site.
2. Access Device Manager for the PWRcell 2 system.
3. Verify PWRmanager is present as a device.

Confidential information subject to Article V of the Domestic Non-Exclusive Buy/Sell Agreement. Do not disclose.

Verifying PWRmanager Registration in PWRfleet

Proceed as follows to verify PWRmanager registration in PWRfleet:

1. See ***Figure 9***. After completing all commissioning steps, open a web browser and navigate to the site's PWRfleet page to verify PWRmanager is present as a device.



00058747

Figure 9. PWRmanager in PWRfleet

2. Select DEVICES from the list on the left of the screen and verify Load Manager is present as a device.

Confidential information subject to Article V of the Domestic Non-Exclusive Buy/Sell Agreement. Do not disclose.