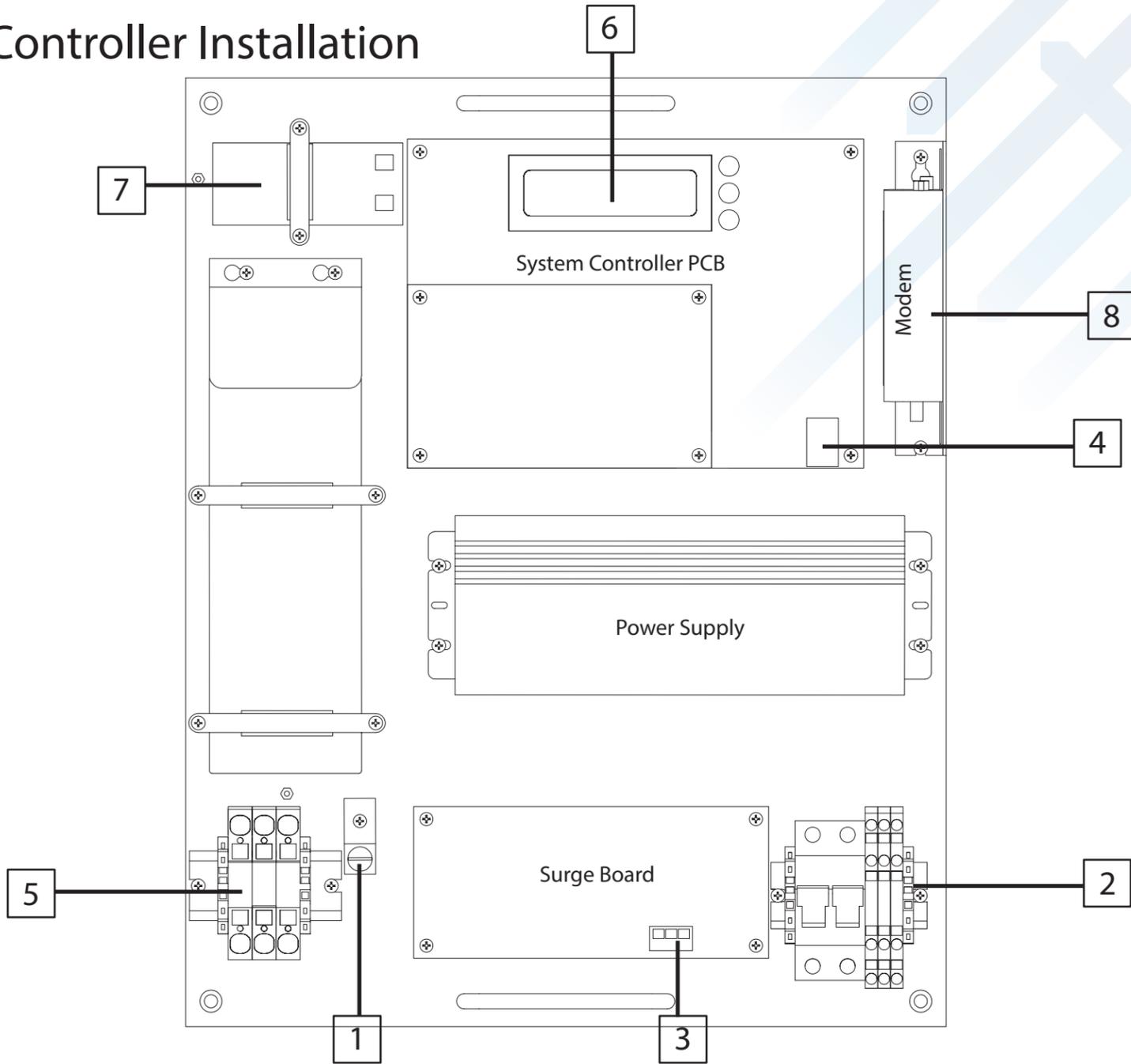


Vanguard® Installation Guide

System Controller Installation



Attention: After installation, you must call 1-800-821-5825 to activate warranty and modem (if present).

1 Ground

Using **#2 AWG wire**, connect to the grounding lug inside of the system controller. Apply anti-corrossive agent to both ends.



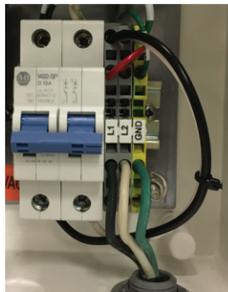
5 Flashhead Cable

Connect flashhead cable to terminal block. Ensure **polarity is NOT crossed** and wires are terminated according to the matching color guides.



2 Main Power

For AC powered systems connect Line to **L1** and Neutral or Line2 to **L2**.
On DC powered systems connect positive voltage to **(+)** and Ground to **(-)**.



6 Binding Setup Next Page

For binding and monitoring setup using the **interactive display**.
Please reference the other side.



3 Photodiode

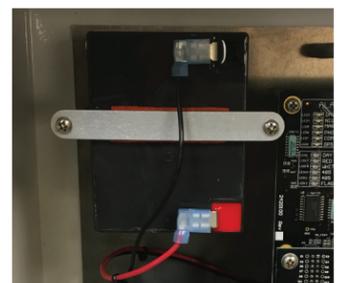
Terminate the white, black, and shield wires as shown to the right.

Only install photodiode on SC #1.



7 Battery

Connect the **red wire** to the red terminal of the battery.



4 RS-485 Port

To connect multiple system controllers, connect the **supplied RS-485 cable** to each controller at the connection port.



8 Modem and Warranty Setup

If a modem is present, you **MUST call 1-800-821-5825** and select option #6. Failure to do so will prevent the ability to monitor the site.



Vanguard® Installation Guide

6 Binding Steps

Begin the binding process by utilizing the “UP”, “DOWN” and “ENTER” buttons to the right of the screen. This process must be completed after the system install is complete or if a control board is replaced.



Press and hold “Enter” for 5 seconds to go back to main menu.

1. From the main menu of the system controller interface, press “Enter” once.



2. Scroll down to “Local Tower Config”. Then press “Enter”.



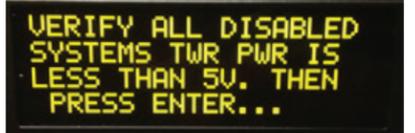
3. Scroll down to “BIND TOWER” and press “Enter”.



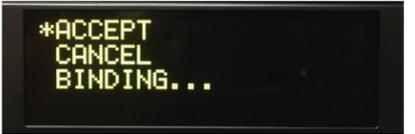
4. If multiple system controllers are onsite, only turn on the unit being bound while following this process.



5. After the additional controllers are turned off, verify their outgoing DC voltage is below 5 VDC on the flash head terminal block, and then press “Enter”.



6. **WAIT!!** Once the following screen is displayed, do not hit “Enter” again. The system will take **15-20 seconds to discover** the installed components.

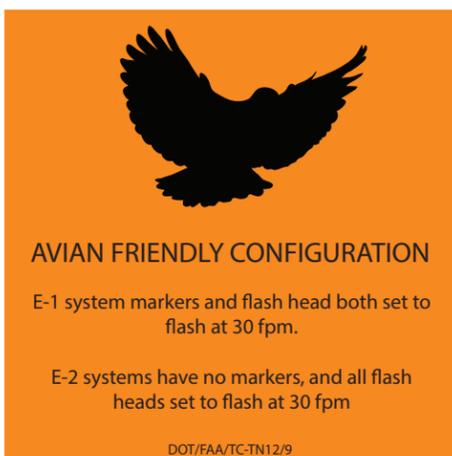


7. Once the Vanguard controller indicates what it has discovered on the tower press “Enter” to accept discovered devices.



BEACON = LED Beacon (L864/L865) | MARKER = LED Marker J-Box (L810)

Avian and IR Systems



Systems with this sticker inside the system controller are pre-programmed to be avian friendly.

Systems with this sticker inside the system controller utilize infrared (IR) LEDs for night vision goggle compatibility.



Video Tips and Guides

Visit our website under “Knowledge Base” for various videos, installation guides, product manuals and other information.

flashtechnology.com

Scan the QR code with your smart phone for direct access.



System Controller Installation Video
YouTube - 2:05 minutes



Flashhead Installation Video
YouTube - 1:25 minutes



Flash University offers detailed, component level, hands-on installation and troubleshooting training in a classroom setting. Visit our website to setup your class

flashtechnology.com