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# CHAMPION aXis

## Installation Guide



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### 1. Unpack Components

- Unpack the monitor, antenna, and data and power cable.
- Inspect all components to ensure there is no shipping damage.

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### 2. Install the Antenna

- Place the antenna vertically at the center of the roof of the generator.
- Route the antenna cable into the area of the generator control.
- Ensure a drip loop lower than the monitor to prevent water from running down the antenna cable into the monitor connection.

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### 3. Attach the Antenna Cable

- Attach the antenna cable to the front of the monitor and tighten thumb tight.

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### 4. Attach the Monitor

- Attach the monitor via its magnetic feet on top of the engine controller or another appropriate location.
- Horizontal surfaces are preferred, but the unit may be mounted vertically or upside down if necessary.

**NOTE:** *If mounted vertically, install the monitor with the cables facing down to prevent water from entering the enclosure.*

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### 5. Connect the Monitor

- The monitor connects to the CHAMPION aXis Controller via wiring diagram shown below





## 6. Power On and Check LEDs

- Turn on the monitor and confirm that the LEDs illuminate and blink.
- If the LEDs do not light, check for power wires at the battery.

**NOTE:** Scan the QR code on the unit for the expected LED light sequence.

## 7. Confirm Installation

- Allow 15 minutes for the monitor to log into the network.
- Call OmniMetrix on 770-209-0012 or email [techsupport@omnimetrixconnect.com](mailto:techsupport@omnimetrixconnect.com) to confirm successful installation.

**CHAMPION aXis — Wiring Diagram**

| SLEEVE COLOR | OMNI WIRE    | FUNCTION             | TERMINATION |
|--------------|--------------|----------------------|-------------|
| Red          | Red          | Power In (9–30 Vdc)  | Pin 1       |
|              | Black        | Ground               | Pin 2       |
| Blue         | Orange       | Gen Running          | Pin 4       |
|              | Blue         | Common Alarm         | Pin 5       |
|              | Violet       | Low Fuel             | Pin 9       |
|              | Gray         | Low Coolant Temp     | Pin 10      |
|              | Yellow/White | 2-Wire Start         | Pin 11      |
|              | Brown/White  | GNF for 2-Wire Start | Pin 2       |

