GARMIN®

ONDECK™ HARDWIRED SHORE-POWER SENSOR INSTALLATION INSTRUCTIONS

Important Safety Information

⚠ WARNING

You must disconnect power to the AC mains before installing this device.

Improperly installing this device in a location subject to a high ambient temperature, near a heat source, or without proper ventilation may damage the sensor or the OnDeck system, or may result in a fire leading to vessel damage and/or serious personal injury. Observe the mounting considerations below before installing the device.

⚠ CAUTION

To avoid damage to your boat and possible personal injury, Garmin® recommends that this device be installed by a qualified marine installer. Specific knowledge of marine electrical systems is required for proper installation.

To avoid possible personal injury, always wear safety goggles, ear protection, and a dust mask when drilling, cutting, or sanding.

NOTICE

When drilling or cutting, always check what is on the opposite side of the surface to avoid damaging the vessel.

Mounting Considerations

When selecting a location for the device you must observe these considerations to avoid damage to the device, the OnDeck system, or the vessel.

- You must install this device in a location with proper ventilation.
- You must not install this device in a location with high ambient temperature or near a heat source.
- You must not place any objects on this device.

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Connection Diagram

⚠ WARNING

You must use crimp connectors or other ABYC approved connectors to connect the sensor to the AC mains. Using unapproved connectors may result in damage to the sensor or OnDeck system, and may result in serious personal injury.

The AC mains input should be protected with an overcurrent device, such as a fuse or circuit breaker, located within 175 mm (7 in.) of the source. This overcurrent device should be rated for the proper line voltage, and its current rating should be at least 2 A but must not exceed 5 A. Any added wiring to the sensor must be 18 AWG (0.82 mm^2) or larger. Please consult "ABYC E-11 AC and DC Electrical Systems on Boats" for more specific guidance. Failure to protect against short circuits may risk melting wire insulation, possibly resulting in a fire leading to vessel damage and/or serious personal injury.

⚠ CAUTION

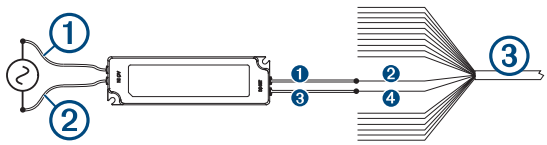
You must never connect the OnDeck IN/OUT wiring harness directly to the AC mains, because it will damage the OnDeck system, may damage any other device connected to the OnDeck system, and could result in personal injury.

NOTICE

You must make sure that the linkages for all connections are water tight, or water intrusion may cause damage to the sensor, the OnDeck system, or both.

NOTE: All four of the wires on this sensor are 18 AWG (0.82 mm^2).

NOTE: When connected to the OnDeck system, the maximum AC input current is 25 mA in steady-state.



Item	Description
~	AC mains
1	Blue: sensor AC input neutral
2	Brown: sensor AC input live/hot
3	OnDeck IN/OUT wiring harness

Item	Wire Color	Wire Information
1	Red	• Sensor DC output positive (+) • Connect this to the white/blue wire labeled Shore Power on the IN/OUT harness
2	White/blue	• IN/OUT harness DC input positive (+), labeled Shore Power • Connect this to the red wire on the sensor
3	Black	• Sensor DC output negative (-) • Connect this to the black wire labeled Ground on the IN/OUT harness
4	Black	• IN/OUT harness DC input negative (-), labeled Ground • Connect this to the black wire on the sensor