

INSTALLATION INSTRUCTIONS:

1. Select an installation position on the boat with minimum deck curvature and where a minimum amount of spray will hit the horn when the boat is underway. Mount the horn facing forward and at a slight downward angle to prevent it from collecting water spray.
2. At the same time, select an installation position which will assure the shortest possible length of wire from the horn to the 12V power source.
3. Using a phillips-head screwdriver, remove the two screws holding the mounting bracket to the horn. Slide the mounting bracket and gasket off the horn wire.
4. Use the holes in the bracket as a template to mark the location for the two mounting screws and wire opening. Drill a 3/16" hole through the deck for the wire opening.
5. Slide the mounting bracket and gasket back over the horn wire and insert wiring through the deck. Use a small amount of silicone sealant to seal the hole and prevent water leaks. Install the mounting bracket and gasket to the deck surface with two #10 pan-head screws of appropriate length. Reinstall the horn to the mounting bracket with the two phillips-head screws.

WIRING INSTRUCTIONS:

1. Select the proper stranded wire size from the wiring chart below.
2. Cut wires of sufficient length to avoid any tension at connecting points.
3. Connect wiring as illustrated in the diagram. For the best connection, use insulated crimp-on connectors covered with electrical tape.
4. **Troubleshooting:** Check 5A fuse, check wiring connections and check horn with DC volt meter making sure there are 12 volts across the two horn wires while the horn button is pressed.

RECOMMENDED WIRE SIZES FOR 12 VOLT OPERATION

Wire Length*	Wire Size	Wire Length*	Wire Size
0-50 feet	16 AWG	0-15 meters	1.5 mm
51-80 feet	14 AWG	16-24 meters	1.9 mm
over 80 feet	12 AWG	over 24 meters	2.3 mm

AWG: American Wire Gauge

* As measured from the battery to the horn and back to the battery (round trip).

USER SUPPLIED ITEMS

REQUIRED FOR INSTALLATION

- Horn button rated for 5 Amps
- 5 Amp fuse and fuse carrier
- #10 size pan-head mounting screws (2)
- Red stranded wire for positive (see Wiring Chart)
- Black stranded wire for negative (see Wiring Chart)
- Crimp-on wire connectors

BASIC TOOLS

REQUIRED FOR INSTALLATION

- Philips-head screwdriver
- Electric drill
- 3/16" drill bit
- Crimping/cutting pliers
- Electrical tape
- Silicone sealant

Horn wiring has no polarity, negative or positive can be attached to either wire.

