

## INSTALLATION AND WIRING INSTRUCTIONS

### INSTALLATION:

1. Select an installation location on the boat where a minimum amount of spray or "green water" will hit the horn when the boat is underway.
2. At the same time, select a location that will provide the shortest possible length of wire from the power source to the horn.
3. Use the holes in the bracket as a template for mounting and wiring the horn, and drill the marked holes.
4. Insert the wiring through the deck, caulk all installation holes with a silicone sealer, and install the bracket to the surface (mounting screws are NOT included) of the boat.

**When installed, the horns should point slightly downward to permit water drainage.**

### WIRING:

1. Connect wiring as shown in the diagram.
2. Make wires of a sufficient length to avoid any tension at the connection points.
3. Use stranded wire, following the sizes specified on the chart.
4. Troubleshooting: If the horn volume is weak, recheck all of all of the wiring connections, as well as the ground wire. If the horn does not work at all, check the fuse and check the horn with a DC volt meter to make sure there are 12 volts across the two horns wires when the horn button is pressed.

**\*Horn wiring has no polarity, so the negative or positive wire can be attached to either side.**

### 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
- 7/32" drill bit
- Crimping/cutting pliers
- Electrical tape
- Silicone sealant

