



Installation Instructions

PLEASE READ THESE INSTRUCTIONS CAREFULLY.

In the event you have any questions concerning use or care of this product, please contact the sales department at Technology Research Corp.

Marine Power Cord Reel

WARNING: This unit contains 110 VAC. The wiring should only be done by a qualified electrician.

Tools Required: Drill, Wire Strippers, 5/16 Wrench, Tape Measure, Phillips Screwdriver

Parts Included: 1 Cord Reel

Additional Parts: (Available from TRC)
On/Off push button switch (momentary on, normally off)
Exit hawse pipe and cap

Installation Procedure:

Step 1 Identify area where the cord reel will be installed. The reels can be hung from a bulkhead or from the underside of the deck or secured to a floor.

Step 2 Measure the area to insure there is enough space for the reel. Dimensional drawings are available at www.trci.net Do not forget to leave room for the power cord to exit through the floor or wall directly in front of or below the cord reel.

Step 3 For proper operation the cord exit must be centered with the center of the spool. The distance away from the spool is not important, only that it is centered. If the exit hatch is not centered the cord will wrap on the side of the spool closest to the exit and could bind on the reel.

Step 4 Place the cord reel in the area for installation. To simplify handling unspool cord from reel prior to lifting.

Step 5 Mark the floor, wall or area to be hung where mounting bolts or screws will be located. Remove reel from compartment and drill holes for mounting bolts or screws. If reel is to be hung it must be installed into a steel frame component. Hanging reels from a wooden compartment is not recommended. If mounting on a plastic floor, a stiffening board or plate must be added.

Step 6 Place cord reel back in area and install mounting screws or bolts.

Step 7 If installing an exit hawse pipe and hatch, drill or cut opening. For proper operation the cord exit must be centered with the center of the spool. Remove the black balls from the exit hawse pipe and feed plug head and cord through the exit hawse pipe. Reinstall the black ball stops on the hawse pipe using locktite on the screws. Install exit hawse pipe in opening and secure with 4 appropriate marine grade fasteners and sealant, such as 5200.

Step 8 Connect the pigtail from the cord reel to the junction box or power switch where the original power cord was connected. The cord reel conductors are color coded to match the colors on the existing mains supply. **Green is Ground, Red and Black are Hot, and White is Neutral.**

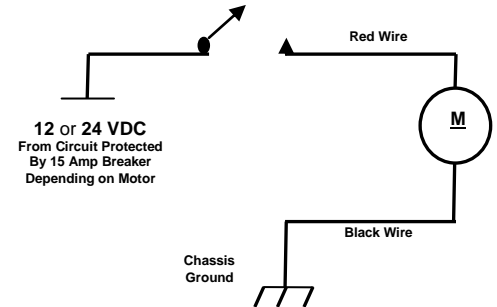
WARNING: Disconnect the DC power source prior to proceeding.

Step 9 Find the nearest DC power source. The power source must be from a circuit protected by a 15 Amp circuit breaker. Using power from a compartment is not recommended as these normally do not have a high enough amperage rating.

Step 10 Route the wiring to the desired position of the cord reel switch.

Step 11 Connect the cord reel motor wires to the DC power source per the diagram below using the switch provided or an acceptable rocker switch. Use 14 AWG wire for these connections.

DC Motor Circuit Wiring Diagram



Step 12 Mount the switch with the appropriate marine grade fasteners.

Step 13 Reconnect the DC power supply.

Step 14 Test the unit by depressing the switch. The unit should retrieve the cord. The reels free spool off and are powered in. If the cord wraps the wrong direction then reverse the red and black motor leads to the motor.

TRC WARRANTY

TRC warrants that its devices are free from defects in materials and workmanship for a period of one year from the date of original purchase.

This one year warranty is in lieu of all other warranties, obligation, or liabilities expressed or implied by the company. Any properly installed device that proves defective in normal use will be repaired or replaced at TRC's option provided the unit is returned through an authorized TRC dealer or representative or ship the unit directly to TRC following the procedure below:

1. Contact TRC Customer Support at 1-800-780-4324 to obtain a Return Materials Number.
2. Properly package returned unit.
3. Display Return Materials Number on outside of box.
4. Include Proof of Purchase, including date of purchase.
5. Supply full written description of the problem.
6. Specify your name, address, and daytime phone number.
7. Ship unit postage prepaid directly to:

Return Materials Department - Technology Research Corporation
5250 140th Avenue North - Clearwater, Florida 33760

Any questions regarding this warranty, please contact TRC by phone at 1-800-780-4324 or by email at productinfo@trci.net.

Warranty is void if the device has been altered, misused and/or abused in any way. TRC cannot assume responsibility for customer alterations, acts of God, or any other factors not under the control of TRC.

TRC cannot assume responsibility for damage in handling of shipment. TRC shall have no responsibility for installation of this device or for any personal injury, property damage, any incidental, contingent, or consequential damages of any kind resulting in defects or failure of the unit to function in the event of a ground fault in the circuit it is protecting.

Implied warranties (if any) including but not limited to implied warranties of fitness for a particular purpose and merchantability are limited in duration to a period ending one year from the date of original customer purchase. The exclusive remedy for breach of the limited warranty contained herein is the repair or replacement of the defective product at TRC's option. In no case shall TRC's liability under any other remedy prescribed by law exceed the purchase price. Some states do not allow the exclusion or limitation of incidental or consequential damages or allow disclaimers or modifications of or limitation on how long an implied warranty lasts, so the above limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.



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