INSTRUCTION MANUAL

7" & 8" ELECTRIC REMOTE CONTROL SEARCHLIGHTS

FEATURES

- Complete drive unit enclosed in light housing.
- Single control lever for vertical and horizontal movement.
- Dual speed control for precise beam movement.
- On-off Spot only on 7" and 8"models.
- Exclusive Clutch-A-Matic feature protects drive unit against overload. Can operate for extended periods against limit stops without harm. Light head may be moved manually without damage to the drive unit.
- Internal brake system holds beam firmly on target.
- Includes control with on-off, dual speed control, and single control for vertical and horizontal movement.

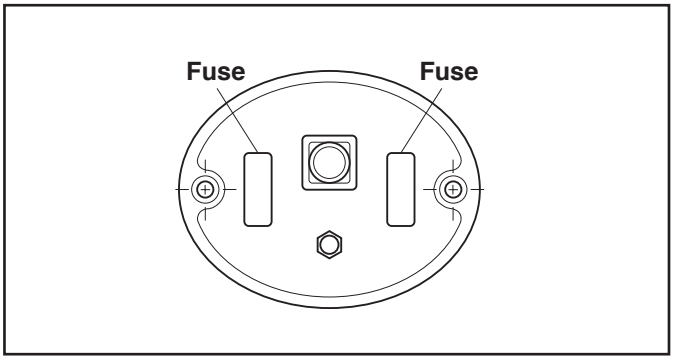


Model HID-35-RC

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LIGHT MOUNTING

See base mounting dimensions for appropriate model light. Mount all models with front of base toward direction of most intended use (front of circular base is marked with arrow). Drill screw holes (per dimensional drawing) and a 1-1/8" (28mm) hole at center of base for wiring cable. Drill additional holes for wiring cable through firewalls, bulkheads, etc., for connection to control. With gasket under light base, feed wire through hole and fasten light in place.
NOTE: Cable connectors are provided for easy wiring connections. See Wiring Diagram.



CONTROL MOUNTING

12 VOLT & 24 VOLT (CHECK VOLTAGE ON NAMEPLATE!)

Select a location near the helm which will allow convenient operation of control. Unit may be mounted on vertical, horizontal or inclined panel.

1. Cut 2-5/8" (67mm) diameter hole in flat surface where control is to be mounted.
2. Route power leads (supplied by customer) from power source to control. NOTE: Wiring must be 16 gauge with maximum run of 15 ft.
3. Crimp terminals supplied onto power leads. NOTE: Larger terminal is crimped to positive lead – smaller terminal to negative lead.
4. Insert wiring cable and power leads thru back of hole and plug into control.
5. Use bedding compound or sealant to waterproof control mounting.
6. Secure control with self-tapping screws provided.

CIRCUIT PROTECTION

Two (2) automotive type fuses are included in the control. One (10 amp) protects the bulb circuit, the other (3 amp) protects the motor circuit.

OPTIONAL SECONDARY CONTROL MOUNTING

If an additional control station is desired, mount secondary control in same manner as main control. Mount station selector panel near the main control (flybridge or lower).

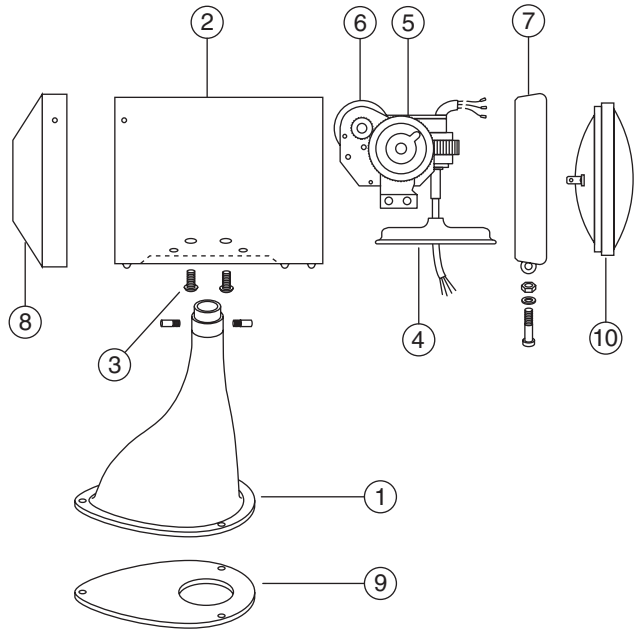
1. Cut a 2" x 1-3/8" (51mm x 35mm) opening for station selector panel within a 1 foot radius of the control.
2. Route secondary control cable from station selector panel to secondary control location (cable acquired separately – see cable listing).
3. Insert station selector panel thru mounting hole and attach connectors to mating connectors from controls and searchlight. The connectors marked “flybridge” to go to flybridge control and the connector marked “lower” to lower control. The connector to the nearest control can be plugged directly into the control. See diagram.
4. Use bedding compound or sealant to waterproof station selector panel mounting.
5. Secure panel with self-tapping screws provided.

TROUBLESHOOTING

All lights are thoroughly inspected before shipping and are warranted to operate within specifications. If light does not operate correctly, **CHECK FUSES, AND WIRE HARNESS CONNECTIONS BEFORE PROCEEDING WITH THIS TROUBLESHOOTING.**

PROBLEM	SOLUTION
1. Dual filament bulb works in reverse.	Reverse orange and gray wires at the bulb terminals.
2. Control lever works in reverse in all directions.	Power leads to control are reversed.
3. Light moves in only three of the possible four directions.	A. Check connectors. B. Replace control. C. If problem persists, return light & control for service.
4. Dim light (low voltage).	A. Check voltage at power source. B. Refer to cable listing for proper wire gage and length.
5. Bulb operates – no light movement or Light moves – bulb does not operate.	Check fuses on front of control.

EXPLODED VIEW



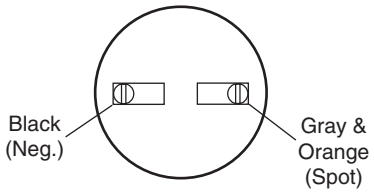
Key No.	Part Description		
1	Base (includes set screw)		
2	Housing (rubber boot installed) (includes end bell (No.8) on 7" & 8") Chrome - Brass Housing		
3	Screws for mounting housing (package of 4 screws)		
4	Rubber Boot (includes straps and fasteners)		
5	Motor Clutch Assembly (assembled and wired)		
6	Motor & Pinion Kit (vertical horizontal)*		
7	Bulb Retaining Ring (chrome) (w/fasteners)		
8	End Bell (w/fasteners)		
9	Gasket (base mount)		
10	Bulb 12 Vdc 24 Vdc		
	Gear & Clutch Kit (not shown) Replacement 8-Way Switch for Control (not shown)		

*Vertical & horizontal refer to movement, not orientation or the motor inside the housing.

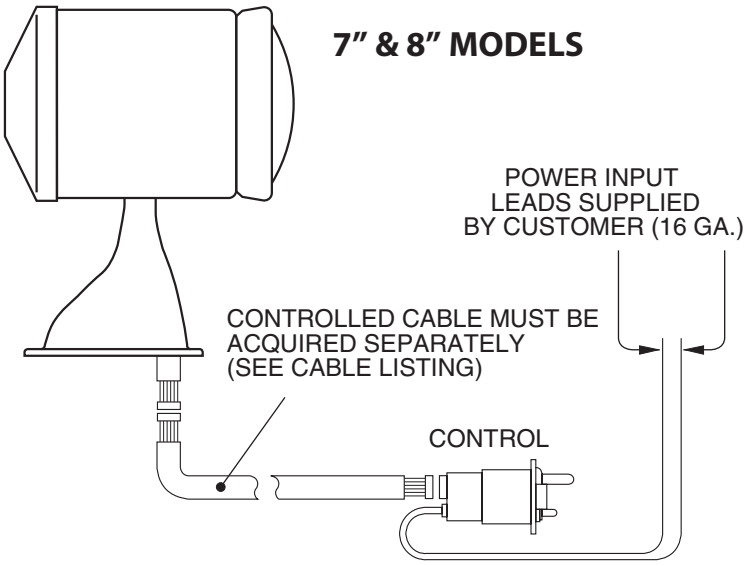
BULB REPLACEMENT

Loosen screw and remove bulb retaining ring. Disconnect wires from faulty bulb. Connect wires to new bulb as shown. Install bulb and fasten with bulb retaining ring.

SINGLE FILAMENT



WIRING DIAGRAM SINGLE CONTROL



DIMENSIONAL DRAWINGS

