

RCL360-HHR

WIRELESS REMOTE CONTROL

FEATURES

- Adds wireless control to existing searchlight installations for both console and remote control operation.
- Can be installed for wireless-only operation.
- 12/24 volt operation (60000-0000/60000-0024).
- True 8-way directional control with instant response for precise targeting.
- "On/off" and "spot/flood" selection (for applicable models) plus LED battery check.
- Long life lithium battery for hand-held remote control.
- Meets all applicable regulatory requirements for FCC, Industry Canada, Australian and European compliance.
- "First-on" learning mode syncs transmitter and receiver codes for no cross-talking with other remote control devices.
- Up to four wireless remote units can be used per light
- Power saving "sleep mode" when not in use.

SPECIFICATIONS

Transmitter: 3VDC (CR2032 Battery)
Reverse polarity protected
433.92MHz transmitting frequency

Receiver: 12VDC or 24VDC
10 amp or 5 amp AGC Quick Blow Fuse
Input power short circuit protection

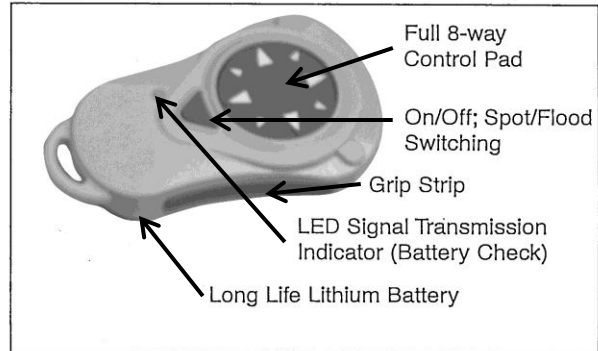
Range: 100 Ft. (30 Meters)

Temperature

Range: (-30° C to 70° C)

Regulatory

Compliance: FCC, Australia, Industry Canada and Europe (For Radiated Emissions)



INSTALLATION

The Jabsco 60000-0000/0024 Remote adds wireless control to new or existing Jabsco searchlight installations. It works in conjunction with a standard hard wired Jabsco panel mount controller, thereby adding a second controller for wireless remote operation of the searchlight at a distance of up to 100' (30 Meters). In applications where a panel mounted controller is not desired, the 60000-0000/0024 Wireless Remote Control System can be set up for wireless-only operation.



WARNING Disconnect battery before proceeding. Connecting cables to the wireless receiver with power "on" to the receiver can damage the unit.



CAUTION Do not cut or trim the black receiver antenna wire (so marked) nor connect it to battery ground (-).



CAUTION Do not immerse the hand-held wireless fob in water.

The Jabsco wireless receiver is installed inline between the searchlight and the hard wired panel controller. (see Fig. 1, 2). For installations where wireless-only operation is preferred, the receiver's (female) connector cable is connected to the searchlight cable. The receiver's (male) connector cable is not connected in this instance. In installations where the wireless remote will be used as a second controller, (in addition to the hard wired panel controller), the receiver's (male) connector cable is connected directly to the the back of the panel controller or to the wire pigtail coming from the back of the panel controller.

Transmitter Cable Connectors



To Wired
Controller



To
Searchlight

In instances where the pigtail from the panel controller is not terminated with a Molex connector for connection directly to the receiver cable, use the butt connectors supplied to make wire to wire connections between the controller panel and the receiver. See Fig. 1, 2 below for the wire to wire color coding. Note that the blue wire from the receiver will, for example, connect to the blue wire from the panel controller pigtail, the yellow to yellow, etc.

JABSCO WIRELESS RECEIVER

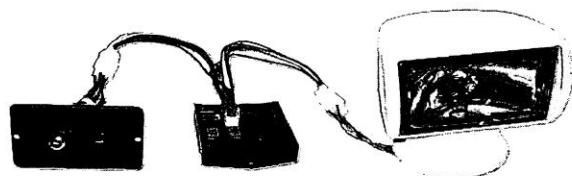
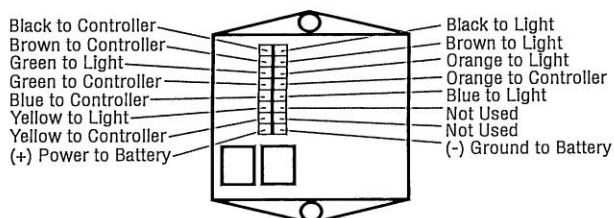
CONTROLLER & LIGHT CABLE WIRE COLOR CODING



60020-0000
(135)



61050-0012
(155)

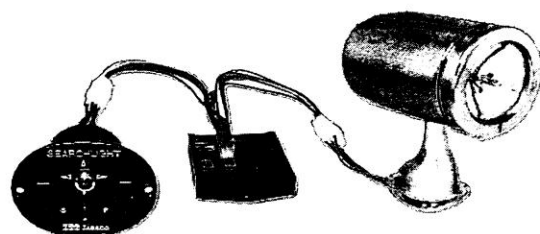
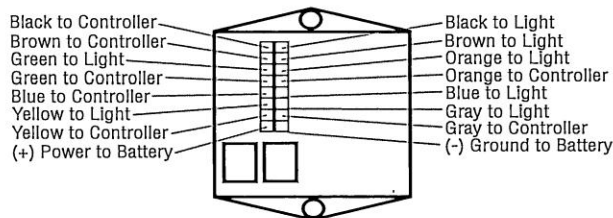
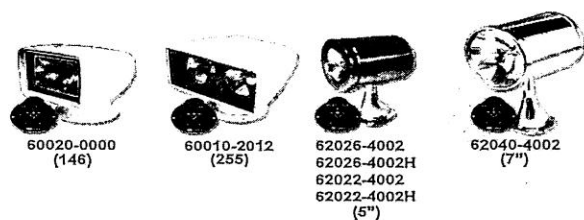


Panel
Controller

Wireless
Receiver

135
Searchlight

Fig. 1 (Lights with 60020-0000 Controller)



Panel
Controller

Wireless
Receiver

5"
Searchlight

Fig. 2 (Lights with 43670-1003 Controller)

Mount the receiver in a suitable location using the two screws supplied.

LEARNING MODE PROCEDURE

Note: The transmitter included with this product was initialized at the factory. It is not necessary to conduct this procedure unless adding or replacing a transmitter.

Disconnect battery power to the receiver. Press and hold the "on/off" transmitter button while reconnecting power to the receiver. The searchlight will turn "on" within (2) seconds. Code synchronization is complete.

The JabSCO Wireless Remote Control System can support (4) separate transmitters. Each time a transmitter is added to the system or is replaced, all transmitters require re-initialization using the above procedure.

Power to the receiver must be disconnected then reconnected while pressing the transmitter's "on/off" button for each transmitter added in turn.

OPERATING INSTRUCTIONS

With the wireless receiver installed and connected to the searchlight cable and to the panel mounted controller (if used), follow the following procedure.

Connect battery power to the receiver, searchlight and hard wired panel mounted controller (if installed).

Press and hold the "on/off" button on the wireless transmitter for approximately (1) second. The searchlight will turn "on".

Note: The red LED Signal Transmission Indicator should be blinking while the button is depressed. If not, replace the transmitter battery, accessed by removing the (4) screws on the rear of the case.

With the light "on", switching from spot to flood beam (for 5" chrome/stainless and older 7" chrome models), is accomplished by pressing and releasing the "on/off" button quickly with no hold time. To turn the light "off", press and hold the "on/off" button for (1) second or until the searchlight turns "off".

The Jabsco 60000-0000/0024 Wireless Remote Control features a true 8-way directional touch pad. The light's movement can be directed in the horizontal and vertical simultaneously for quicker times-to-target. Searchlight movement is instantaneous with no rotation "run-by" when the pad is released. This provides precise pointing control.

The wired panel controller and the wireless transmitter share command of the light equally. Command input from either will be executed by the searchlight.

Note: In cases when the 43670-1003 Controller toggle switch is set to "F" for "flood" or "S" for "spot", the beam can still be switched using the wireless transmitter. The wireless transmitter command will then override the 43670-1003 switch setting. In this instance the toggle switch will indicate a flood beam, for example, when the light is actually in spot mode, having been switched to "spot" using the wireless transmitter. Control is returned to the wired controller with any movement of its joystick. The searchlight beam angle will then change to match that indicated by the toggle switch.

When the searchlight has been turned "on" using the hard wired panel controller's "on/off" toggle switch, the light can be turned "off" using the wireless transmitter without the need to return to the helm station to deactivate the light. Although the toggle switch then indicates "on", the searchlight will be "off". With any movment of the wired controller's joystick the light will turn "on" and the beam angle (spot vs. flood) will be as indicated by the toggle switch.

CIRCUIT PROTECTION

An AGC 10 amp (for 12VDC) or 5 amp (for 24VDC) quick blow fuse is included with the wireless receiver cable assembly. In the event that it should be necessary to replace the fuse, the inline fuse holder is located on the receiver's power lead.

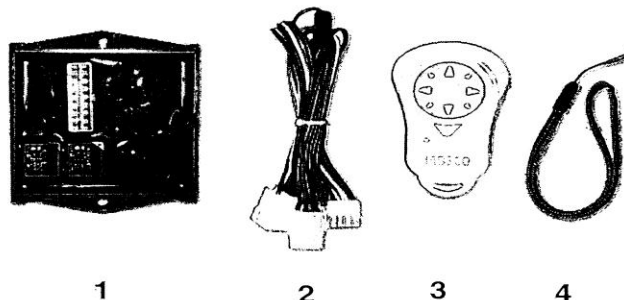
FCC GUIDELINES

This device complies with part 15 of the FCC Rules.
(1) This device may not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

Section 15.105 Information to the user Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

ITT Marine and Leisure declares that this device is in compliance with the essential requirements and adheres to relevant provisions of Directive 1999/5/EC.



PARTS LIST

Key	Description	Qty.	Part Number
1	Wireless Reciever	1	1000616-01K
2	Receiver Cable Assembly	1	1000617-01K
3	Wireless Transmitter	1	1000618-01K
4	Lanyard	1	1000626-01K