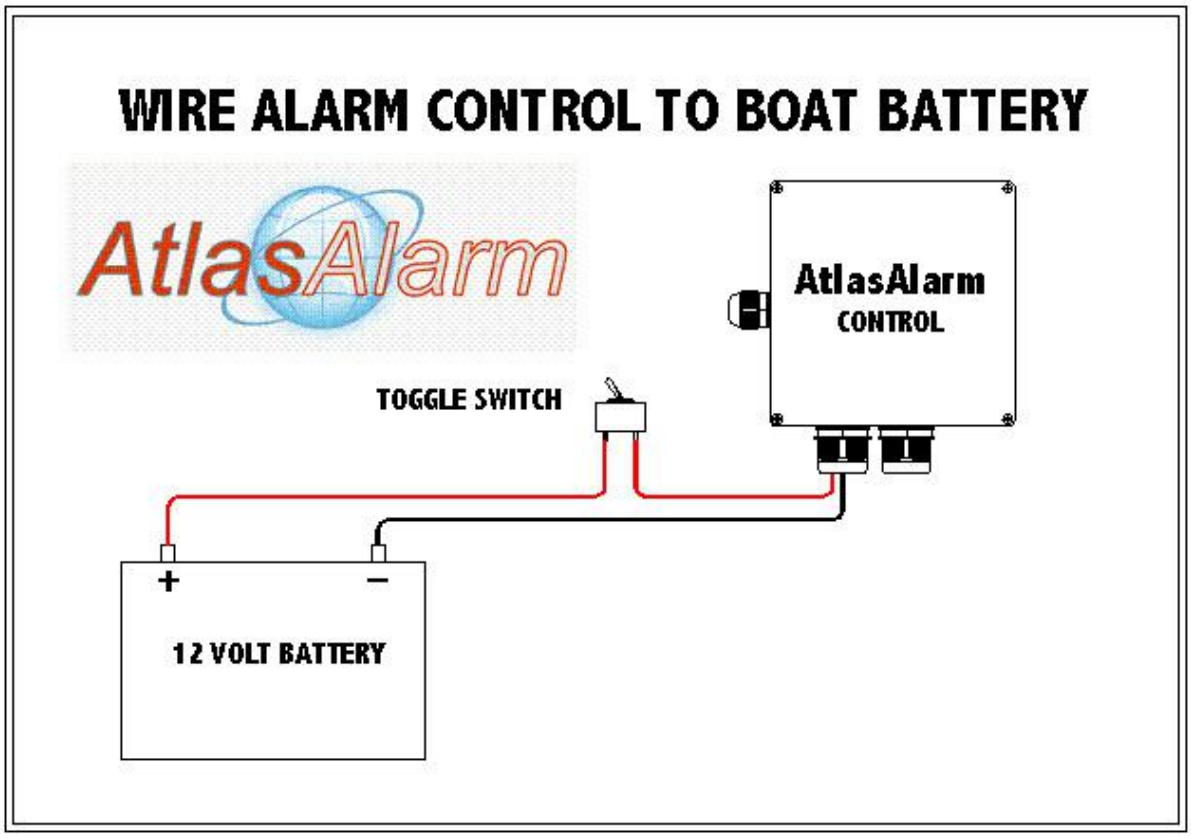
Recommended wiring Procedure

The following procedure is recommended because it will reveal wiring problems as they occur during the wiring process.

First mount the alarm control, and the flashing LED in the selected locations.

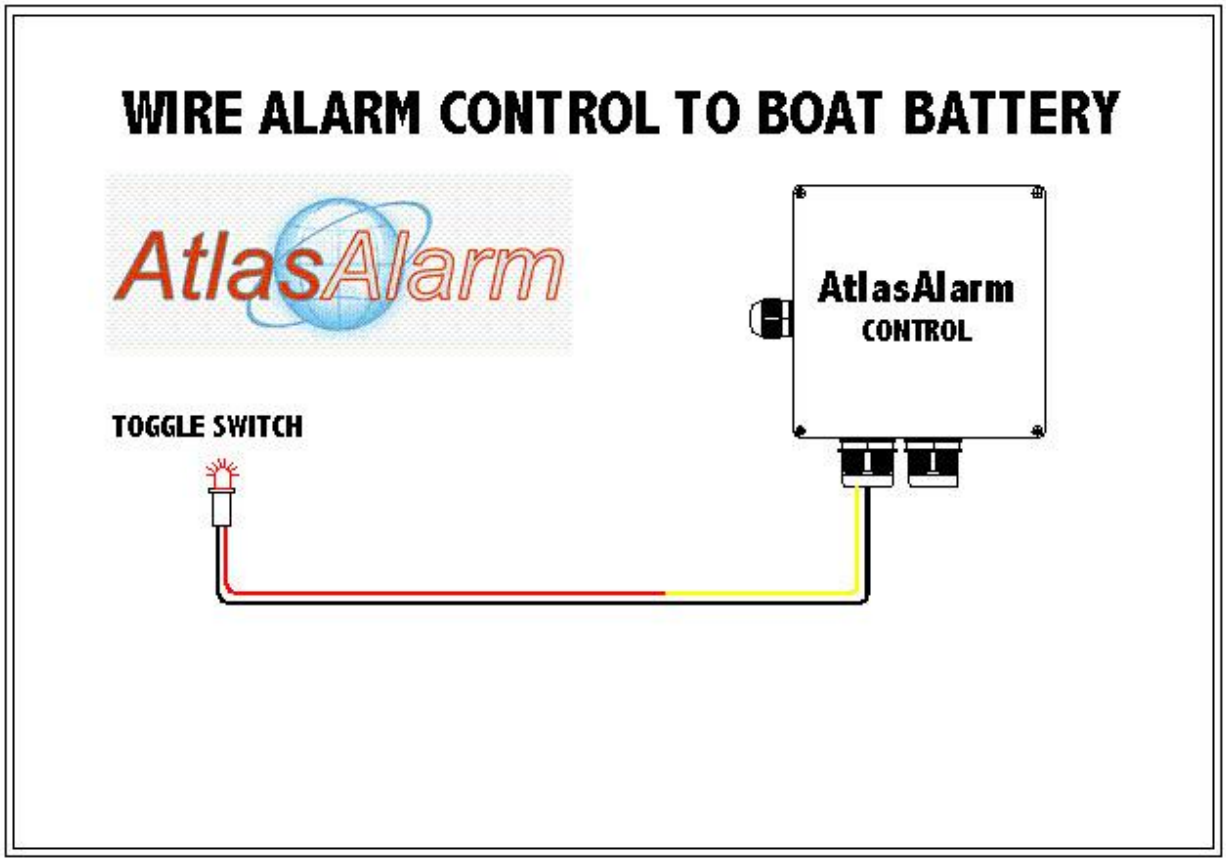
Begin by wiring the alarm control to the boat battery.



Before continuing, turn the toggle-switch off.

Connect the alarm control to the flashing LED.

When it can be observed from outside the boat, the flashing LED has two purposes. First, it tells the operator that the boat alarm is on. Second it indicates to a would-be intruder that this boat is protected by an alarm system. We want to discourage an intruder before he attempts to board your boat.



Test the flashing LED.

1. Move the toggle switch to the ON position to apply power to the alarm control.
2. Push the lock button on the key-fob remote to start the alarm.
3. The LED should start flashing.
4. Push the unlock button on the key-fob to stop the alarm.
5. Test both key-fob remotes.
6. The range for the remotes is approximately 200 to 300 feet.

If the LED begins to flash continue to the next section on wiring the alarm control to the siren.

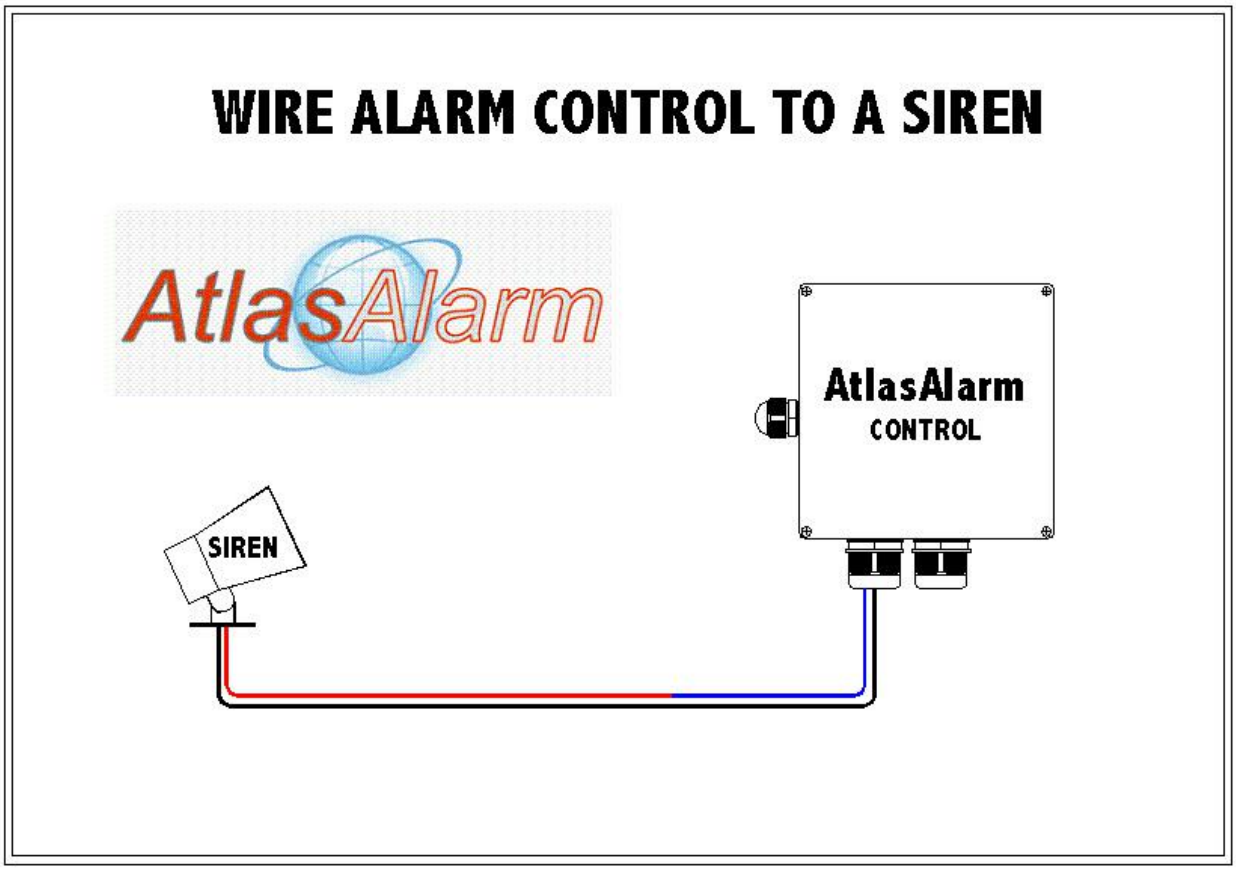
Some things to check if the LED does not flash!

1. Does the blue LED on the remote turn on when the lock button is pushed? If not, change the battery in the remote control.
2. Does the alarm control chirp when the lock button is pushed?
   a. Check the fuse in the alarm control.
   b. Locate the bare wires that are soldered to terminals +12v and -12v. With a meter measure the voltage between these terminals. If not 12 volts check the battery.
   c. In the alarm control locate a slide switch. If it is moved away from the fuse, then the alarm control is setup for key-fob remote control. When the slide is moved toward the fuse the remote controls are disabled, then the alarm control is started and stopped with the toggle switch.
3. Move the slide switch to enable the remote controls and call support.

Connect the alarm control to the siren.

With the AtlasAlarm the siren is an option. If a siren is not installed check the blue wire on the alarm control, it should have a crimped fitting on the end. The alarm is shipped with this wire cover installed to prevent a possible electrical short when the alarm is triggered.

To install a siren, connect the blue wire from the alarm control to the red wire on the siren. Connect one of the black alarm control wires to the black siren wire. Note the drawing below.



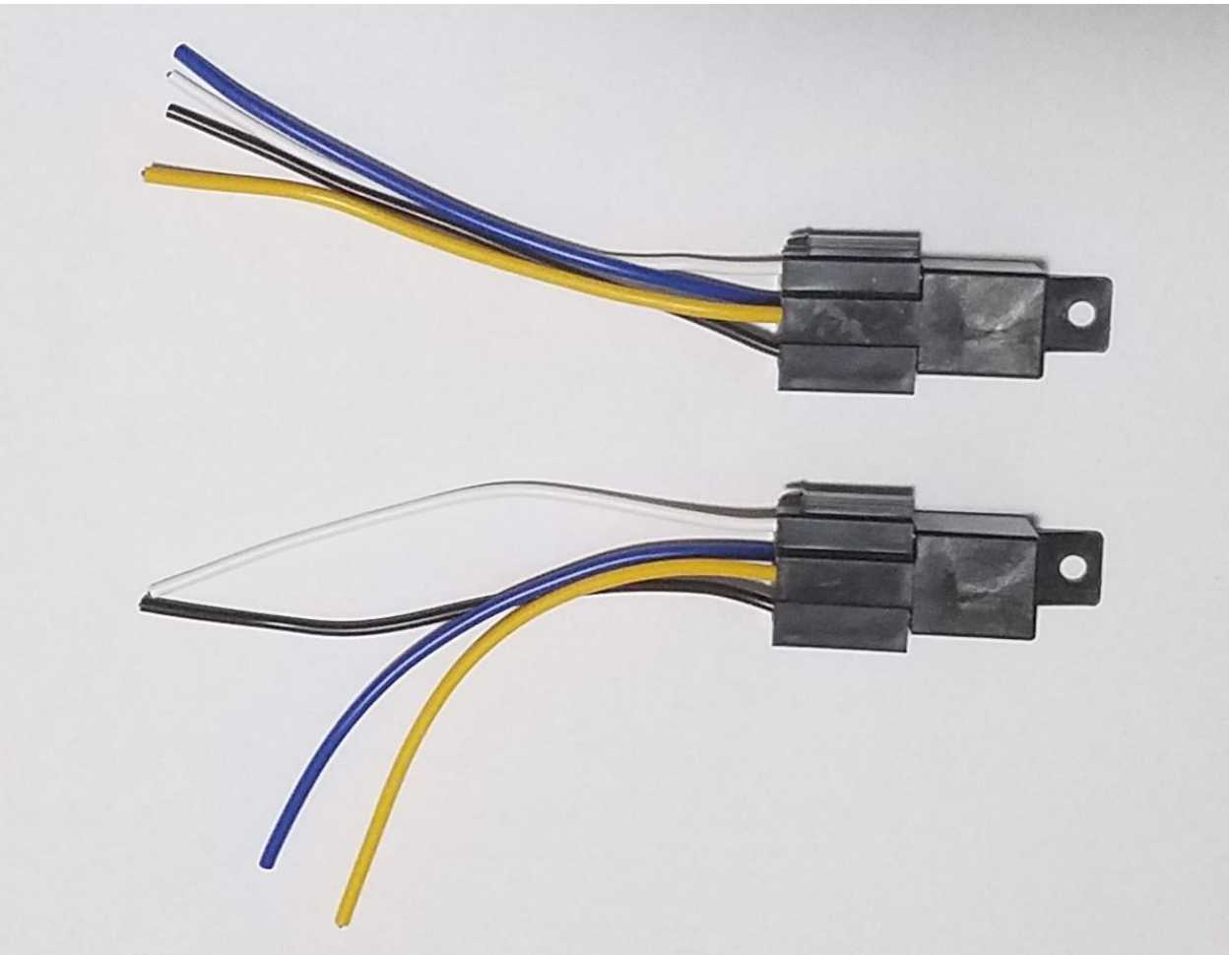
The siren is connected and is ready for testing**.**

Test the Siren.

Alarm zone 2 has two green wires exiting from the alarm control. Check to be sure these two wires are not connected and are not touching any other wires. Start the alarm with the key-fob remote. The flashing LED will start blinking. Wait one minute for the alarm to become active. The siren will sound as soon as the alarm is active. To stop the siren, use the unlock button on the remote control.

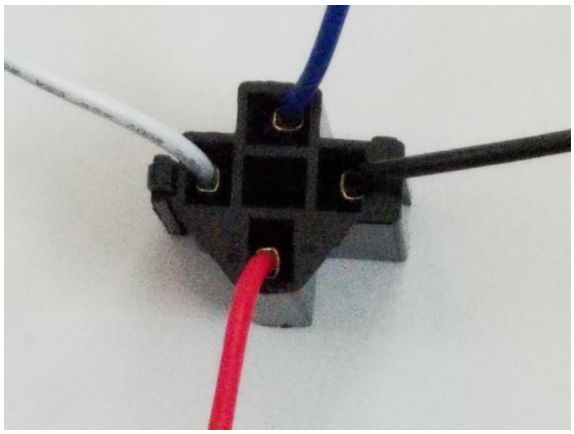
Connect the alarm to the boat lights and horn.

The AtlasAlarm on alert can flash the boat lights and turn the boat horn on and off on a 30 second interval. If zone 1 is triggered these actions will continue for 15 minutes. If zone 2 or zone 3 is triggered these actions will continue for 5 minutes. The alarm control is connected to the boat lights and the boat horn through a relay shown in the following photo. Note that two relays are shown. One relay is used for the boat lights and the other is used for the boat horn.



ALERT

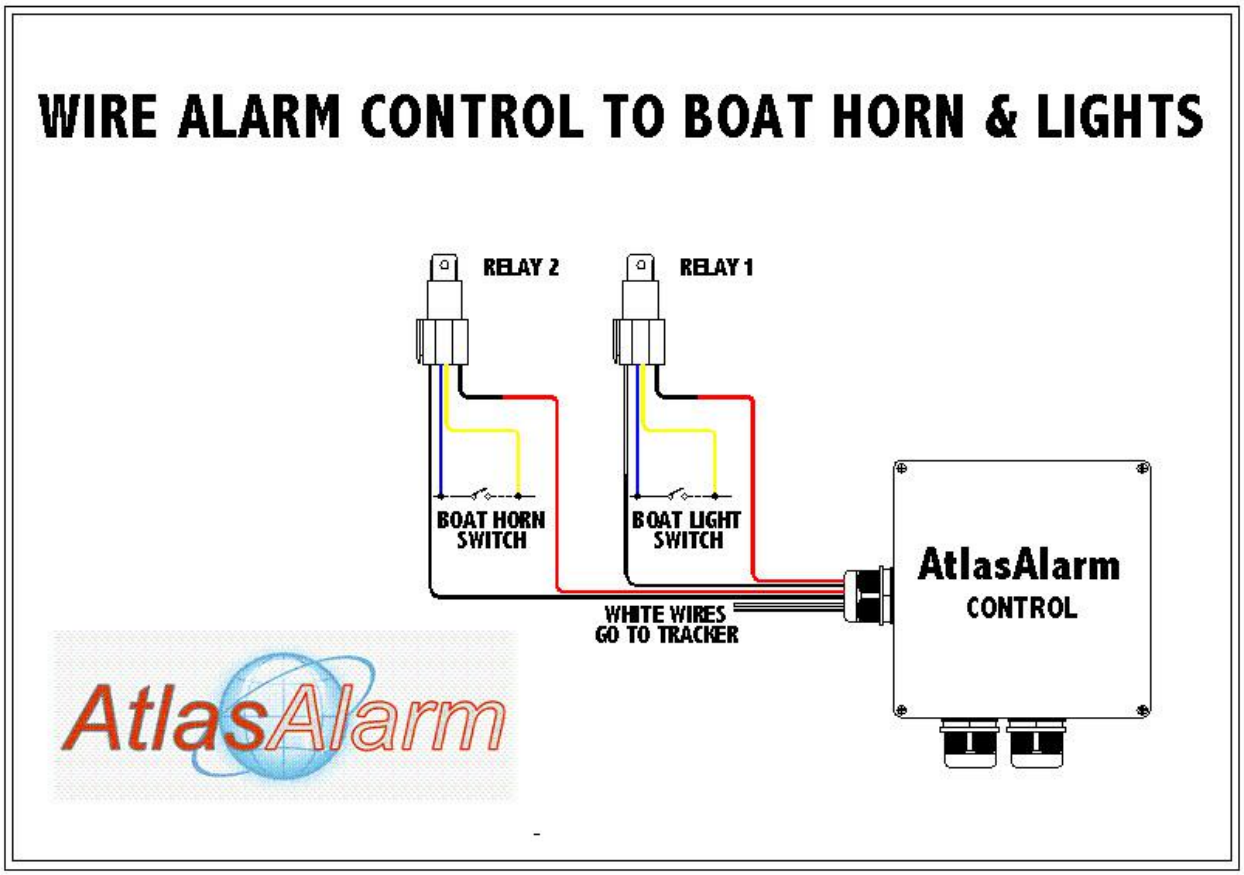
The relay wiring harness may have wire colors that are not the same as shown in the wiring diagrams or the photo above. If the colors do not match then use the following procedure to determine the correct wire connections.



The red wire in the photo is in relay position 30.
The blue wire is in relay position 87
The white wire is in relay position 86
And the black wire is in relay position 85

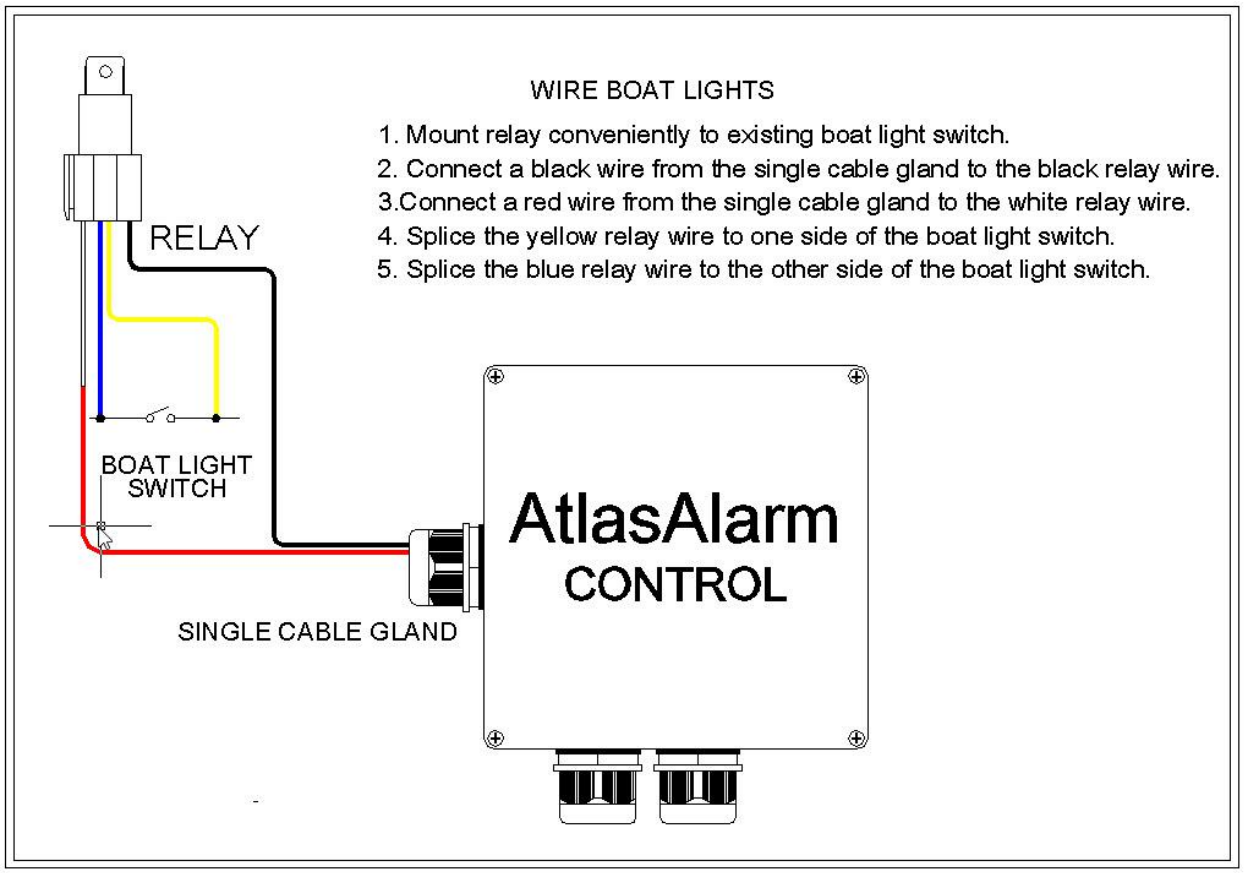
Connect the red wire from the alarm control to relay position 86.
Connect the black wire from the alarm control to relay position 85.
Use the wires in relay positions 87 and 30 to switch the boat horn or boat lights on and off.

Following is the wiring diagram for connecting the alarm control.



Connect the boat lights to the alarm control.

Mount one relay in a convenient location close to the boat light switch. Wire the relay in parallel to the light switch using wire the same size as the boat wire to the switch. This is accomplished by connecting the blue relay wire to the boat wire going to the light switch. Then connect the yellow relay wire to the boat wire leaving the light switch. The relay will then turn the boat lights on when the relay is energized. Next connect either of the red alarm control wires to the white wire on the relay. And then connect either of the black alarm control wires to the black relay wire.

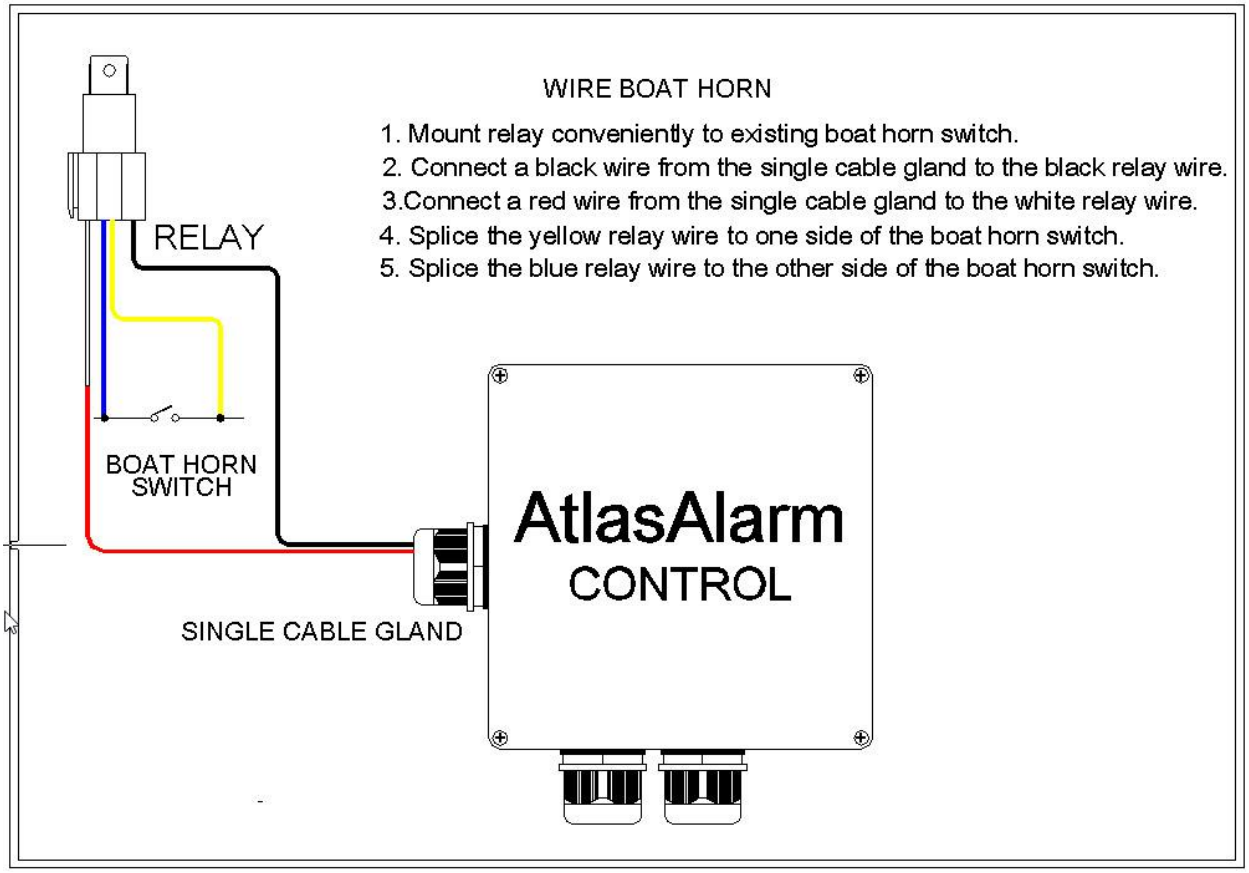


Test the boat light alert.

Alarm zone 2 has two green wires exiting from the alarm control. Check to be sure these two wires are not connected and are not touching any other wires. Start the alarm with the key-fob remote. The flashing LED will start blinking. Wait one minute for the alarm to become active. The boat lights will start blinking one minute after the alarm is started. The alarm is inactive for one minute after it is started. To stop the boat lights alert, use the unlock button on the remote control.

Connect the boat horn to the alarm control.

Mount a relay in a convenient location close to the boat horn switch. Wire the relay in parallel to the horn switch using wire the same size as the boat wire to the switch. This is accomplished by connecting the blue relay wire to the boat wire going to the horn switch. Then connect the yellow relay wire to the boat wire leaving the horn switch. The relay will then blow the boat horn on a 30 second interval when the relay is energized. Next connect either of the red alarm control wires to the white wire on the relay. And then connect either of the black alarm control wires to the black relay wire.



Test the boat light and horn alert.

Use the same test procedure used for the boat lights. The boat lights and horn should blink and sound on a 30 second interval.

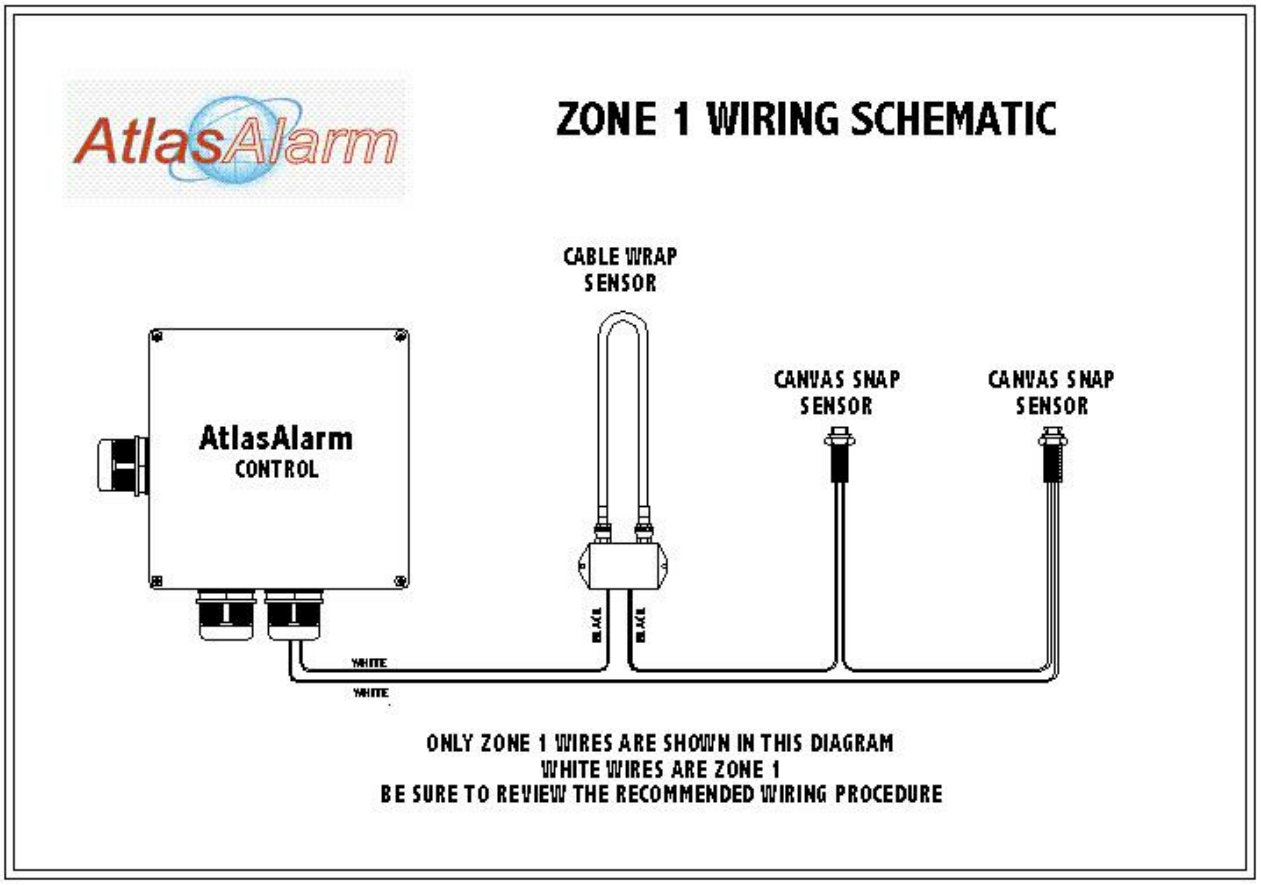
Wiring diagrams for the alarm sensors.

The alarm has three zones.

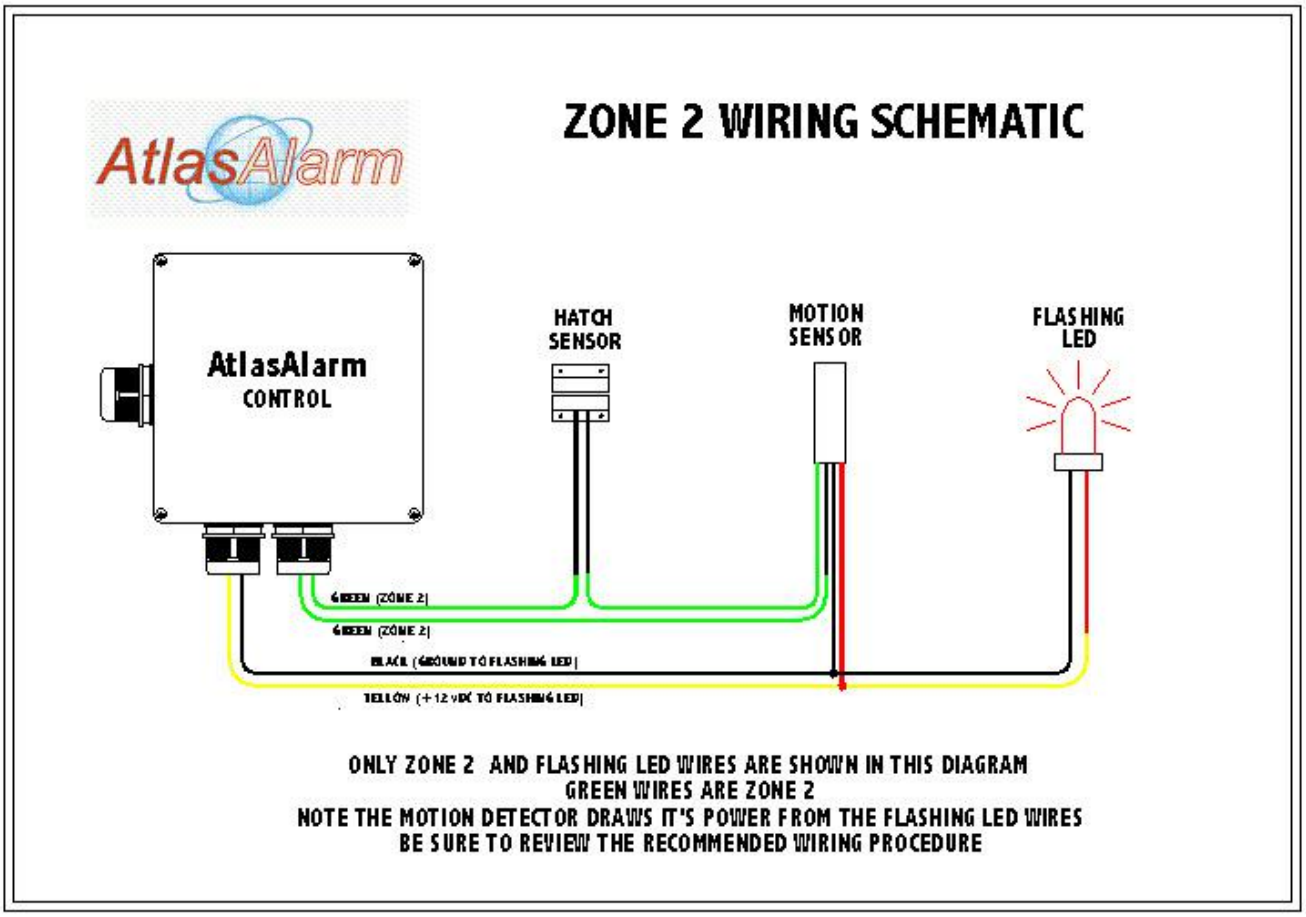
- The two white wires connect to zone 1. When an alarm sensor connected to zone 1 is opened the alarm control will alert for 15 minutes and then zone 1 becomes inactive. A typical alarm sensor would be a cable wrap.
- The two white wires connect to zone 2. When an alarm sensor connected to zone 2 is opened the alarm control will alert for 5 minutes and then is inactive for 1 minute. It then resets zone 2 and is again active. Zone 2 will alert 10 times before it becomes inactive. Typical alarm sensor connected would be a motion sensor.
- The two purple wires connect to zone 3. When an alarm sensor connected to zone 3 is closed the alarm control will alert for 5 minutes and then is inactive for 1 minute. It then resets zone 3 resets and is again active. Zone 3 will alert 10 times before it becomes inactive. Pressure mats or normally-open sensors are connected to this zone.
- Zones 1, 2 and 3 are independent. If Zone 1 becomes inactive zones 2 and 3 will still be active.

If no sensors are connected to zone 1 connect the two white wires together. Also, if no sensors are connected to zone 2 then connect the two green wires. Isolate the two purple wires to zone 3 if a pressure pad is not used.

Wiring schematic for Zone 1.



Wiring schematic for Zone 2.



Connect the alarm control to the MiniTrax™

The AtlasAlarm when equipped with the optional MiniTrax can send an alert by satellite and can track the location of the boat. When the alarm is triggered the MiniTrax will send an alert via satellite every 2 minutes for up to 12 hours or until the AtlasAlarm has been reset with the key-fob remote.

The optional MiniTrax package includes:

- An input cable
- MiniTrax

AtlasAlarm

Input cable

MiniTrax

The AtlasAlarm has three cable glands. The single cable gland has two white wires, two red wires and two black wires. The two white wires are used to connect the MiniTrax.

Wire connections between the AtlasAlarm and the input cable.

1. Connect one of the white wires to the white wire on the input cable.

2. Connect the other white wire to the blue wire on the input cable.
3. Also connect the blue wire to the battery negative.
4. Connect the purple wire on the input cable to the battery positive.
5. Connect the input cable to the MiniTrax.

Test the alarm control and the MiniTrax™

1. The alarm control is connected to the MiniTrax and both are battery connected.
2. Use the key-fob remote control to start the AtlasAlarm.
3. Wait for more than one minute until the alarm is active.
4. Trigger one of the alarm sensors.
5. The alarm siren will start.
6. The MiniTrax will start sending an alert via satellite every two minutes.
7. Use the key-fob unlock button to reset the alarm to stop sending the satellite alert and the siren if it is still sounding.