

WARNINGS AND CAUTIONS:

Power Pack

- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult a qualified electrician.

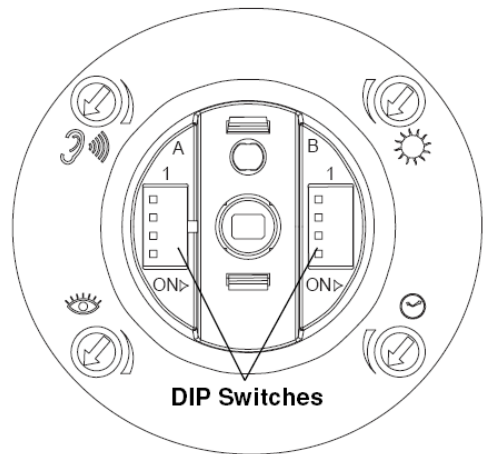
Occupancy Sensor

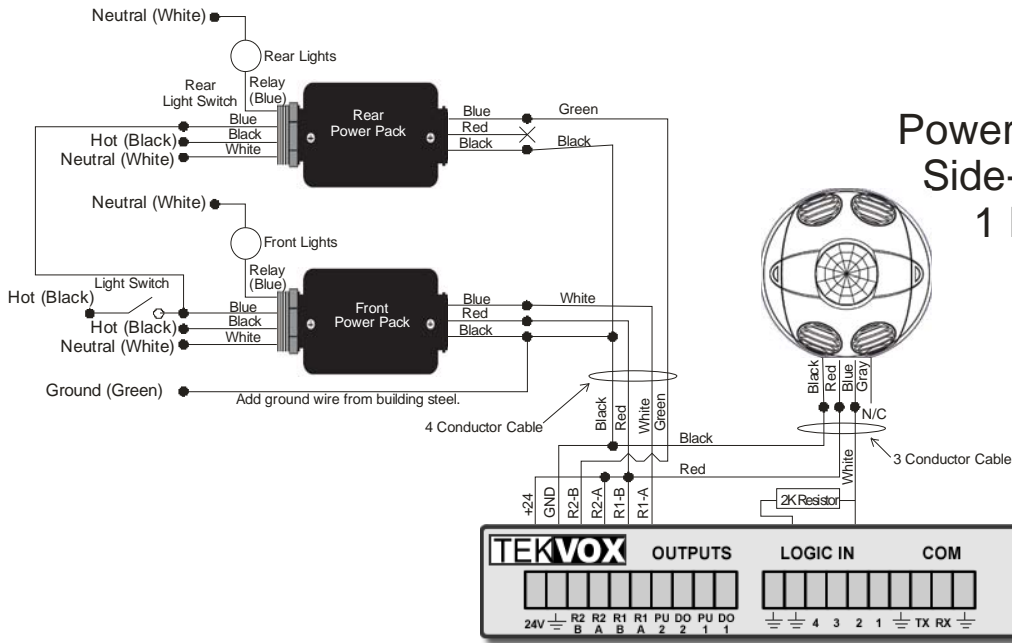
- Sensors must be mounted on a vibration free surface.
- All sensors must be mounted at least 6 feet away from air vents.
- Do not mount sensors closer than 10 feet from each other.
- Do not touch the surface of the lens. Clean outer surface with a damp cloth only.

TEK 1s can be ordered with a basic program that matches your needs. This basic program allows the TEK 1 to operate until the final program is loaded. This program also will send an Email to TEKVOX or an Email account of your choice when it is installed. The purpose of this Email is to document its serial number and IP address. Although the TekManager software can auto-discover TEK 1s, the IP range is required to know where to search. Powering-up a TEK 1 while it is on a valid network with internet access, causes the TEK 1 to send this information.

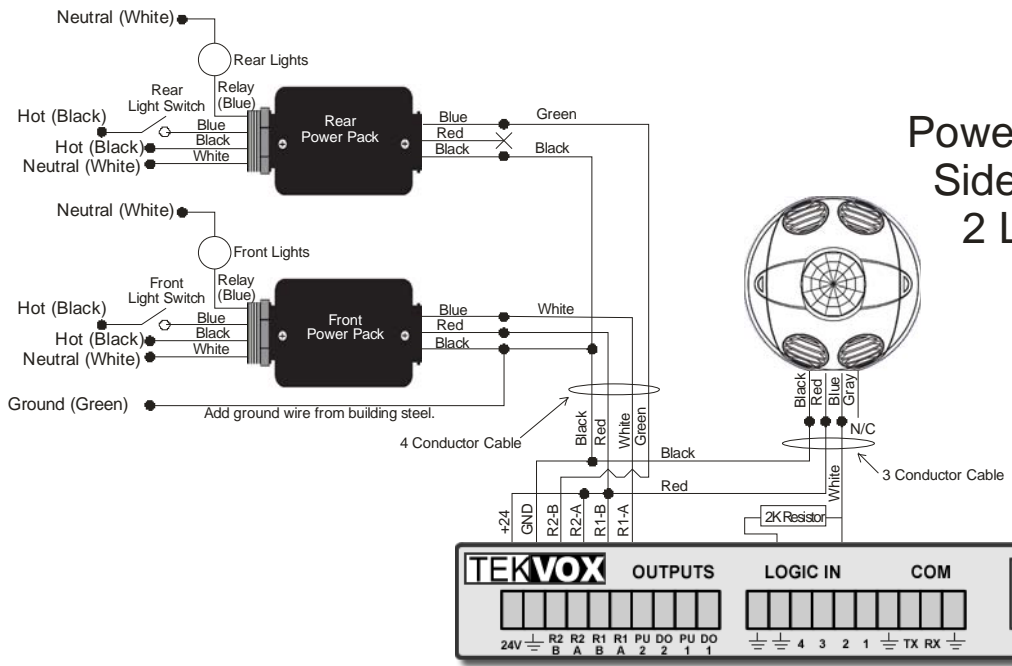
When installing a TEK 1 with lights, it is important to follow this procedure.

1. Download www.tekvox.com/downloads/TEKVOX_INSTALLATION_REPORT.xls and start a procedure to fill out this information.
2. Temporary connect together the red and blue control wires on the power pack using a wire nut. This allows the lights to operate by the light switch until the TEK 1 is installed and programmed.
3. The Electrician must first install the Power Packs before the TEK 1 is installed. It may be necessary to install the power packs in different locations.
4. The Electrician identifies the power packs with a 1 or F for Front and a 2 or R for Rear.
5. When splicing 22 AWG wires together, it is best to use 3M Scotchlok Butt connectors. These connectors do not require stripping of insulation or special crimp tools. They come in 2 and 3 wire butt connections.
6. Depending on the placement of the Power Packs it may be necessary to run separate control cables. If the power packs are installed side-by-side, a single 4-conductor 22 AWG wire can be used like the West Penn 25241B. Do not connect the red wire of the rear Power Pack(s). Place a small wire nut on this wire or tape it off. Do not cut it off.
7. If the Power Packs are installed apart, use a 4 conductor cable to the front Power Pack and run a two conductor cable between the front and rear Power Packs like the West Penn 25221B.
8. Connect a ground wire from building steel to the black wire on the front Power Pack.
9. At the TEK 1 connect the wires as shown and place a jumper between +24 and R2-A and R1-B.
10. Place the occupancy sensor in a location where there is no air blowing across it and connect to the TEK 1 using a 3 conductor cable like the West Penn 25231B. The occupancy sensor first detects a person walking into a room by its IR sensor in the center of the unit. Once someone is detected, the ultrasonic's are turned on to pickup small movements. It is best to have the ultrasonic vents pointed towards the instructor. For more information see <http://www.tekvox.com/downloads/DS-Occupancy.pdf>
11. To test the occupancy sensor set the B3 switch to on and then back off. This switch is near the black timer adjustment knob. Place the cover back on walkout of the room. The lights should go off in 60 seconds. Wait 60 seconds and make certain the lights do not go back on while you are waiting. When you walk back into the room the lights will go back on. The sensor will remain in test mode for 15 minutes.
12. Once power is applied to the TEK 1, its LAN connector Link light (Left) should show green. If not, there is no network.
13. Once everything is working properly disconnect and reconnect power. The TEK 1 will send an Email with its IP address and serial number.





Power Packs Installed Side-By-Side Using 1 Light Switch



Power Packs Installed Side-By-Side Using 2 Light Switches



