Hardware Connection Instructions

Attention

This section serves as a notice of the immediate or potential dangers involved when working with the equipment described throughout this manual. Any person involved in installation, maintenance, or service of the equipment should first carefully examine the equipment and read the instructions contained in this manual to ensure that personal and/or equipment injury is avoided.

The following safety messages appear throughout this manual to alert of immediate or potential danger to life as well as property.

NOTE	Note : Indicates an important note.
?	Tip : Indicates a helpful tip or trick.
⚡	Safety Reminder : Applicable safety instructions will be included with this symbol.
⚠	**DANGER** : Indicates an immediately hazardous situation which ,if not avoided, will result in serious injury or death.
⚠	**WARNING** : Indicates a potentially hazardous situation which ,if not avoided, may result in serious injury or death.
⚠	**CAUTION** : Indicates a potentially hazardous situation which ,if not avoided, may result in minor or moderate injury.

Disclaimer

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designated to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Instructions contained in this user's guide should be performed only by qualified persons in accordance with local and national codes. Blue Ridge Technologies International, LLC and its affiliates assume no responsibility for any consequences related to the improper use of this manual.

Occupancy Sensor

Document Overview

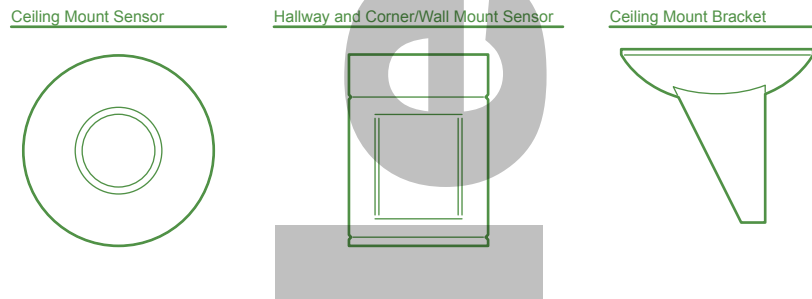This document provides connection instructions for the following Blue Ridge Technologies Occupancy Sensor (OCC) products :

Hallway Occupancy Sensor, Passive IR
Ceiling Mount Occupancy Sensor, Passive IR / Passive Dual Technology
Corner / Wall Mount Occupancy Sensor, Passive IR / Passive Dual Technology
Ceiling Mount Bracket

These OCC models are compatible with Retrofit Interior (RI), Retrofit Kit (RK), Relay Panel (RP), Satellite Control (SC), and Zone Control (ZC).
For OCC software configuration refer to the Application Guide.
Additional third party documentation is included for detailed specifications and instructions.

Identification

Ceiling Mount Sensor	Hallway and Corner/Wall Mount Sensor	Ceiling Mount Bracket

(Figure 1)

Connection

Electrical Specifications
Power Input / Draw: 24VDC / 16mA
Leads: 7.00"(178mm)L, 6-wire
Red: 24VDC
Black: Ground
White: Signal
Grey: N/O (relay)
Brown: Common (relay)
Blue and/or Violet: Unused
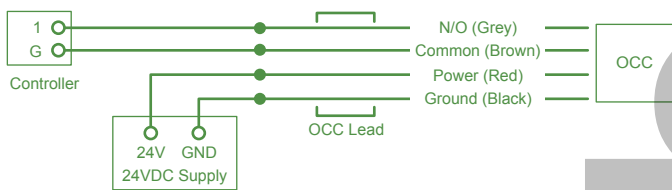
RK / RI / RP Digital Input:
Jumper Configuration: 8 input segments, dry contact (N)
Wire Requirement / Maximum Length: 18AWG (Solid or Stranded) / Dry Contact 500'(152m)
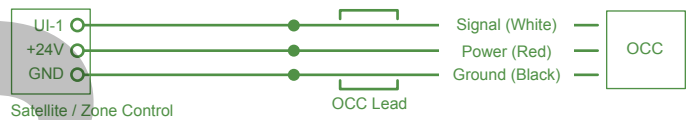
SC / ZC Universal Input:
Wire Requirement / Maximum Length: 18AWG (Solid or Stranded) / 500'(152m)

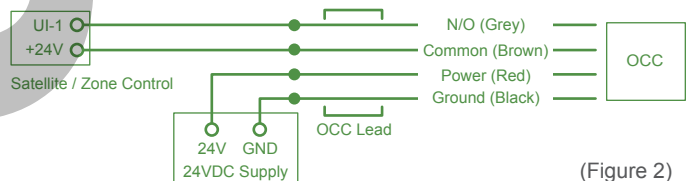RI / RK / RP Controller Terminations (Dry Contact)
SC / ZC Terminations (Standard)
SC / ZC Terminations (Relay)
SC / ZC Terminations (Relay Externally Powered)

Disconnect power before performing OCC installation.
All circuits must be tested for wiring errors and shorts prior to OCC installation.

(Figure 2)