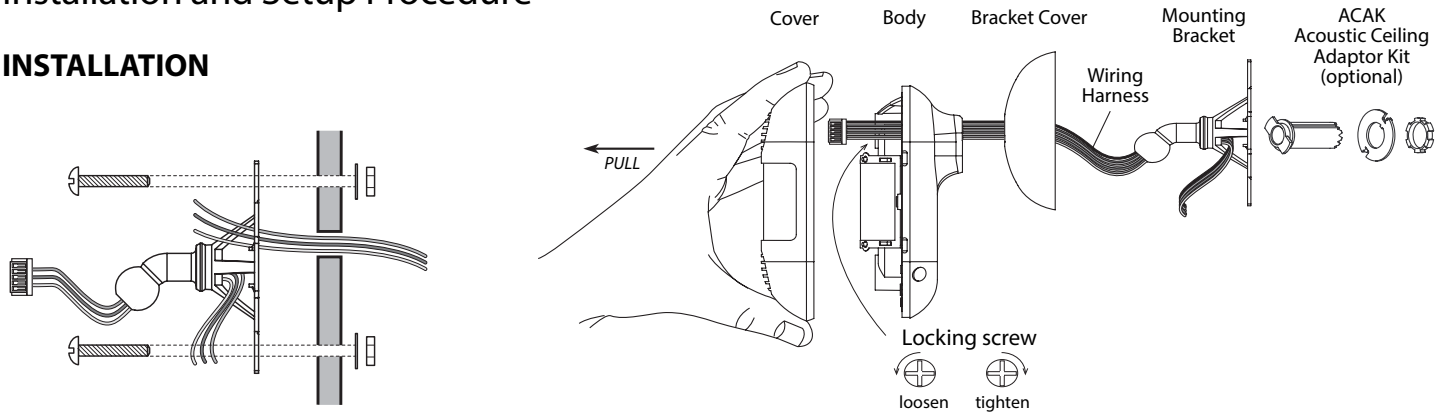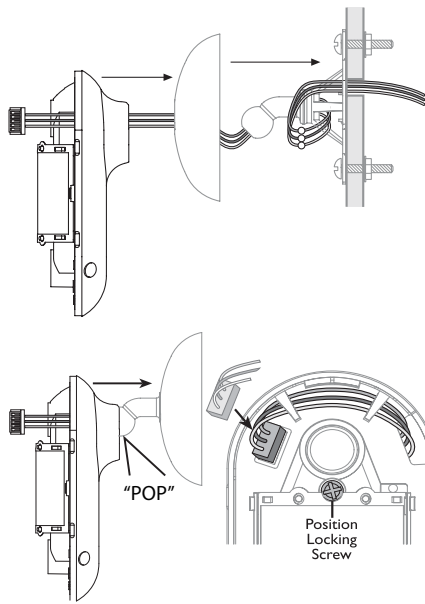# LightOWL® Dual Technology Passive Infrared and Accoustic Sensors LODT and LOIR

Installation and Setup Procedure

INSTALLATION

Cover   Body   Bracket Cover   Mounting Bracket   ACAK Acoustic Ceiling Adaptor Kit (optional)

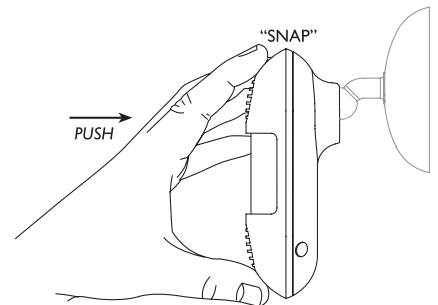Wiring Harness

PULL

Locking screw

loosen   tighten

1. Insert wiring through bracket legs. Secure bracket to wall or ceiling. For ACAK Installation see page 2.
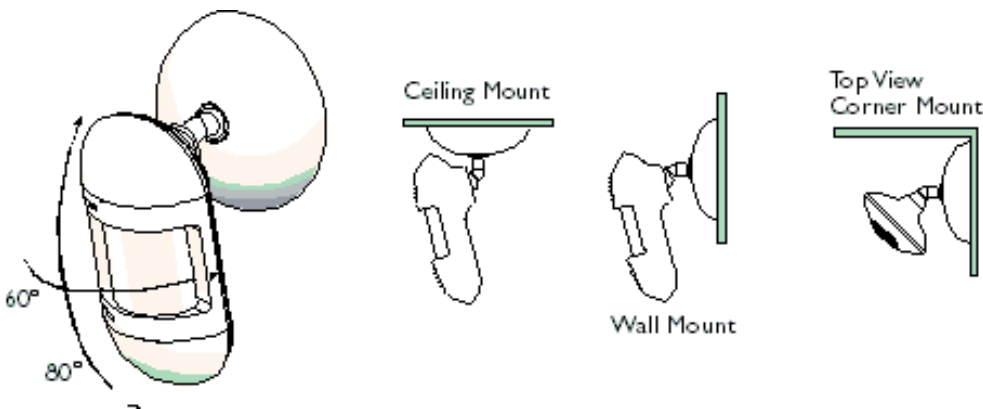
2. Connect building wiring harness with wire nuts. Snap bracket cover in place to conceal wiring and bracket. Feed wiring harness through the back of the sensor body and out exit slot.

3. Snap sensor into mounting post. Plug wiring harness into connector located on the left side opposite exit slot and place wiring under wire tabs. Align sensor and tighten position locking screw.
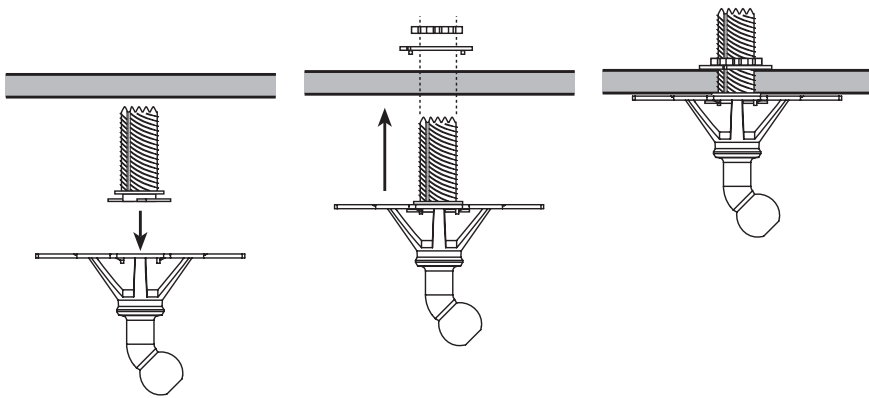
"POP"

Position Locking Screw

4. Replace sensor cover.

"SNAP"

PUSH

INSTALLATION OPTIONS

60°

80°

Ceiling Mount

Wall Mount

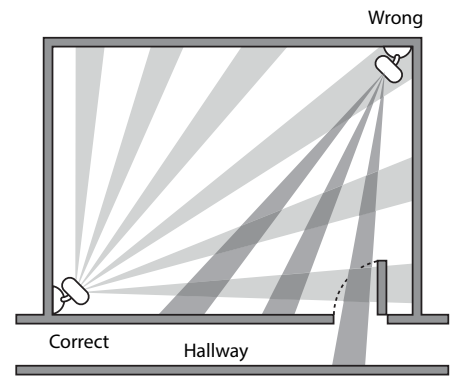Top View Corner Mount

HUBBELL® Lighting
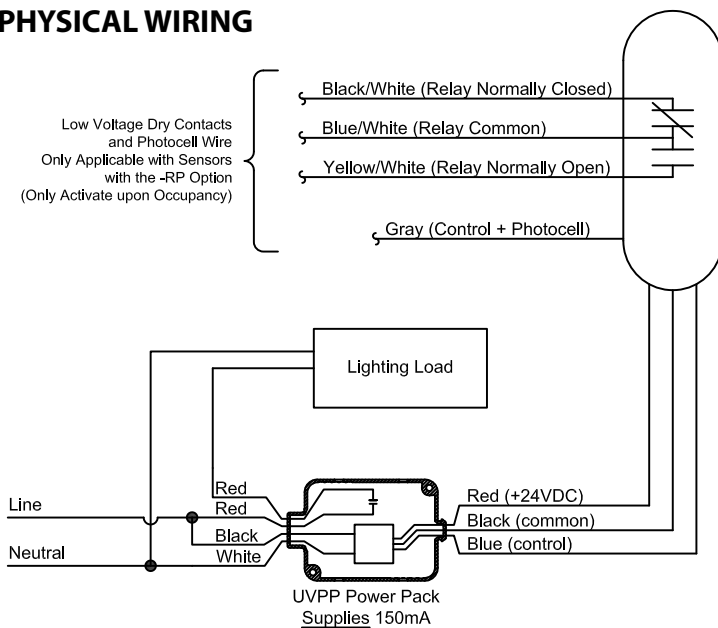
ACAK INSTALLATION (optional)

Insert ACAK into mounting bracket and twist clockwise 90º to lock into place. Screw bracket and self-cutting AKAC into ceiling tile and secure with washer and nut.

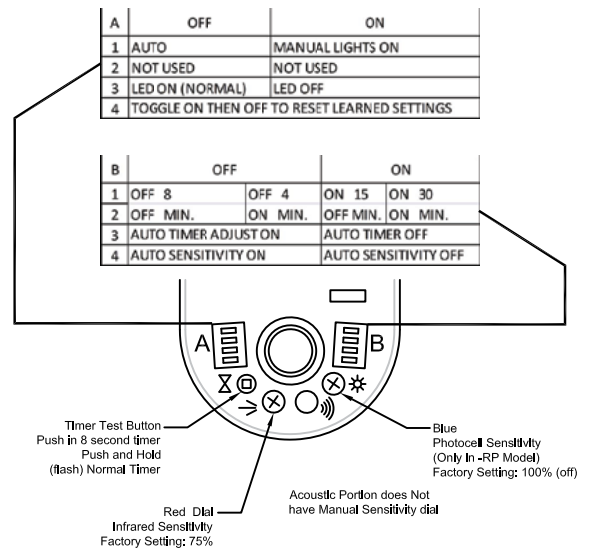## SENSOR PLACEMENT

Wrong

Correct   Hallway

When placing the sensor in a room, do not place where the sensor is aimed out through a door. The sensor can detect hallway traffic, forcing lights-on.

PHYSICAL WIRING

Low Voltage Dry Contacts
and Photocell Wire
Only Applicable with Sensors
with the -RP Option
(Only Activate upon Occupancy)

Black/White (Relay Normally Closed)

Blue/White (Relay Common)

Yellow/White (Relay Normally Open)

Gray (Control + Photocell)

Lighting Load

Line
Neutral

Red
Red
Black
White

Red (+24VDC)
Black (common)
Blue (control)

UVPP Power Pack
Supplies 150mA

CONTROLS

A	OFF	ON
1	AUTO	MANUAL LIGHTS ON
2	NOT USED	NOT USED
3	LED ON (NORMAL)	LED OFF
4	TOGGLE ON THEN OFF TO RESET LEARNED SETTINGS	

B	OFF		ON	
1	OFF 8	OFF 4	ON 15	ON 30
2	OFF MIN.	ON MIN.	OFF MIN.	ON MIN.
3	AUTO TIMER ADJUST ON		AUTO TIMER OFF	
4	AUTO SENSITIVITY ON		AUTO SENSITIVITY OFF	

A   B

Timer Test Button
Push in 8 second timer
Push and Hold
(flash) Normal Timer

Blue
Photocell Sensitivity
(Only in -RP Model)
Factory Setting: 100% (off)

Acoustic Portion does Not
have Manual Sensitivity dial

Red Dial
Infrared Sensitivity
Factory Setting: 75%

TROUBLE SHOOTING

Problem	Possible Cause	Test	Result
HID Lights Flash Bright-Dim-Bright	Control "Floating"	Unplug all RJ-12 from Flashing Lamp	Replace Affected Cable
Lights Stay Dim	Low Voltage Shorten to + 10V	Unplug all RJ-12 form Flashing Lamp	Replace Affected Cable
Lights Won't Dim	15.4 minute Warm Up	Wait 16 minutes	Normal Operation
Lights Won't Dim	Common Shorted to Control	Remove all but One sensor from Control	Test One sensor at a time