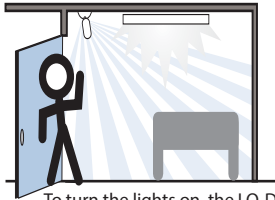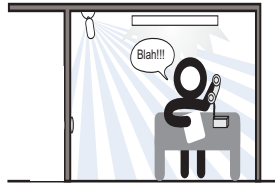# LIGHTOWL® PIR AND ACOUSTIC WALL MOUNT SENSOR (LODIARP)

CELING AND WALL MOUNT OCCUPANCY SENSORS
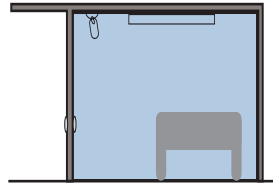INSTALLATION INSTRUCTIONS

HOW PASSIVE ACOUSTIC WORKS

To turn the lights on, the LO-DIA must first detect body heat (PIR)

Once the lights are on, common office sounds will keep the lights on

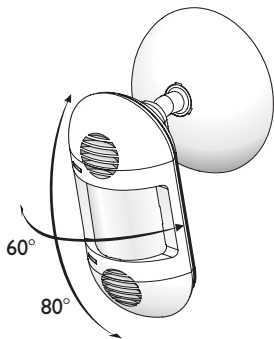After the office is vacant, the timer will time-out and turn the lights out

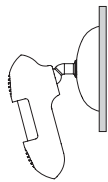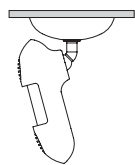**Sensing Methods:**

PIR: Detects body heat through Fresnel™ lens.

Acoustic: Detects common office sounds through small microphones.

*Note: Microphone is only used as signal level device - no voices can be recorded.
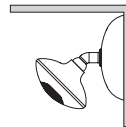
INSTALLATION OPTIONS

60°
80°

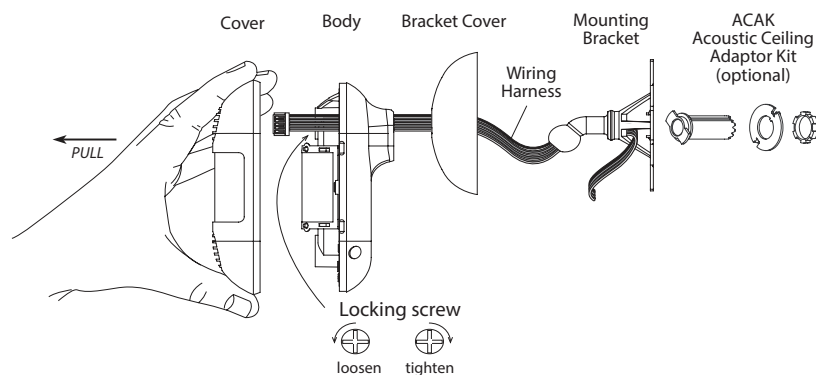Ceiling Mount

Wall Mount

Top View Corner Mount

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	TEST	RESULT
Lights stay off	Bad low voltage wiring	Connect red to blue wire at power pack	Force lights on
Lights stay off	Bad high voltage wiring	Connect red to red (relay wires)	Force lights on
Lights stay on	Constant noise	Reduce red knob by 15%; remove noise source	Move sensor
Lights on too long	Timer setting too high	Check switch settings	Typical setting is 8 minutes
Hallway traffic turns lights on	Infrared sensor can "see" into hallway	Put in timer test mode and walk hallway	Move sensor

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

Wiring Harness

PULL

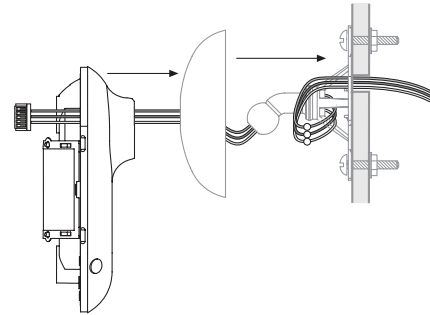Locking screw

loosen   tighten

72-00187, Rev. E

1503B_LODIA_Install_R02

# LIGHTOWL® PIR AND ACOUSTIC WALL MOUNT SENSOR (LODIARP)

CELING AND WALL MOUNT OCCUPANCY SENSORS
INSTALLATION INSTRUCTIONS
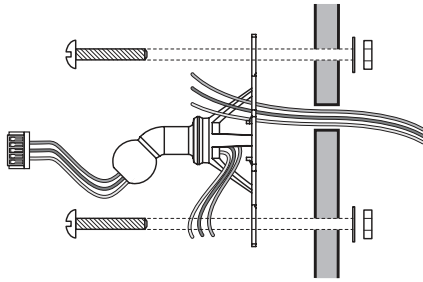
1. Insert wiring through bracket legs. Secure bracket to wall or ceiling. Refer to "Installation Options."

2. Connect building wiring to 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.
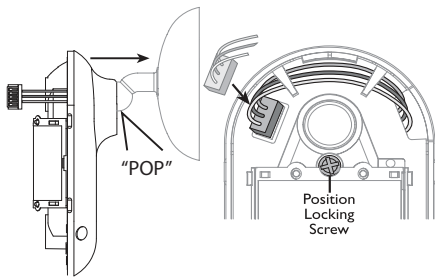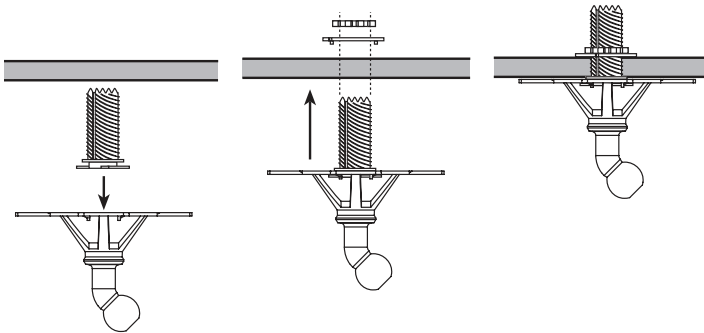

3. Snap sensor onto mounting post. Plug wiring harness into connector located on the left side opposite exit slot and place wiring under wire tabs. Align sensor and tighten adjustment screw.
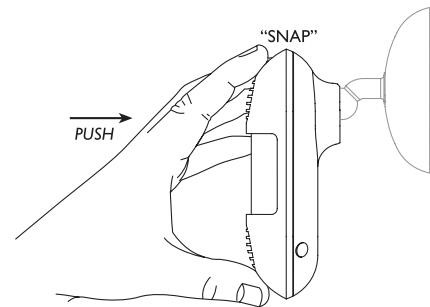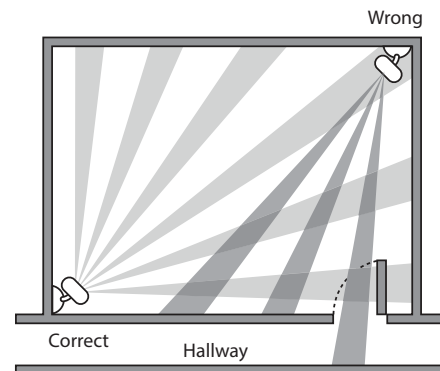

4. Replace sensor cover.

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

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.

72-00187, Rev. E

1503B_LODIA_Install_R02

LIGHTOWL® PIR AND ACOUSTIC WALL MOUNT SENSOR (LODIARP)

CELING AND WALL MOUNT OCCUPANCY SENSORS
INSTALLATION INSTRUCTIONS

CONTROLS

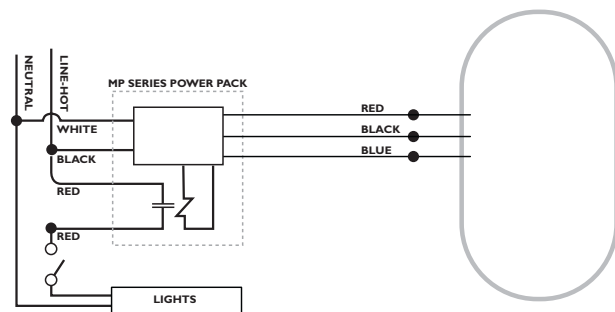| A	OFF	ON
1	AUTO	MANUAL LIGHTS ON
2	NOT USED	NOT USED
3	LED ON (NORMAL)	LED OFF
4	TOGGLE ON THEN OFF TO RESET LEARNED SETTINGS	

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	

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%
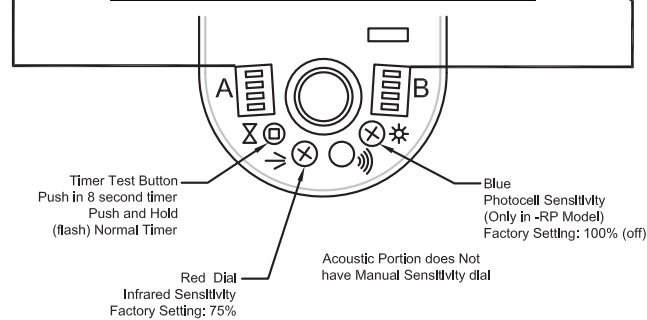
WIRING: SINGLE SENSOR, SINGLE POWER PACK

WIRING: SINGLE SENSOR, MULTIPLE POWER PACK
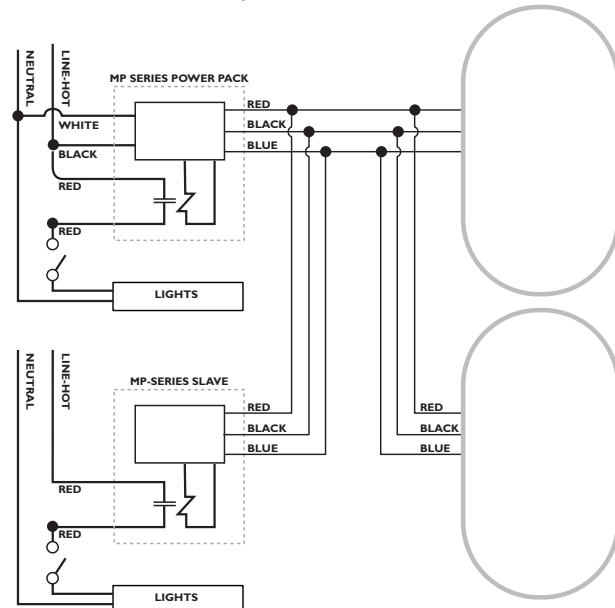
Note: One MP-Voltage Series Power Pack will supply 3 of any unit, 3 sensors, 2 sensors and 1 auxiliary or any combination.

72-00187, Rev. E

1503B_LODIA_Install_R02