DIP Switches & Dial Settings

Some Dip Switches Control Option Features Not Found on All Product				
Dip #	**Function**	**UP**	**Down**	**Default**
1	Detection LED	Disabled	Enabled	Down
2	Walk Through Mode	Disabled	Enabled	Down
3	Manual Override Button	Disabled	Enabled	Down
4	Auto or Manual On	Vacancy (Manual On)	Occupancy (Auto On)	Down
5	PIR Sensitivity	High Sensitivity	Medium Sensitivity	Down
6	Natural Daylight Mode	Disabled	Enabled	Down
7	Light Level Mode	Light Level Dial Sets Photo Setpoint	Light Level Dial Sets Dimming Light Level to be Maintained	Down
8	Bathroom Mode*	Pole 2 Lags Pole 1 by 50% Time	Pole 1 & Pole 2 Synchronized	Down

Factory Dip Switch Settings

Factory Programming

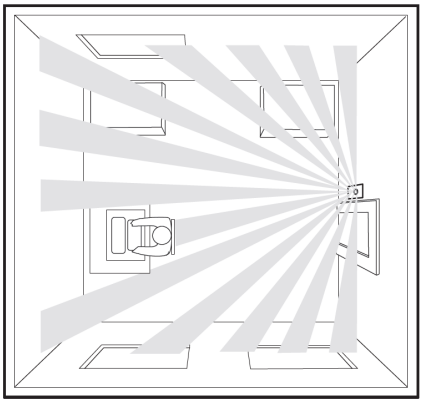
Time Delay 10 Minutes
Natural Daylight Light Level 50% (200 Lux)

Coverage

Installing in Offices

• PIR Requires Line of Sight

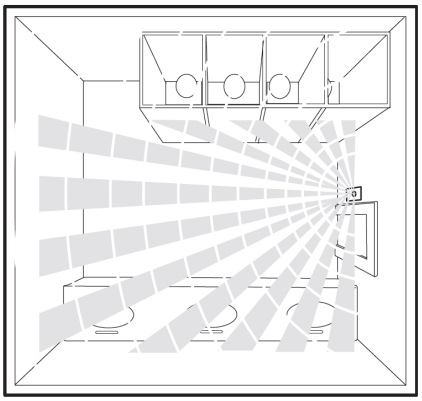
Typical Office



Installing in Washrooms

- PIR Requires Line of Sight
- Connect Light Load to Pole 1 (Blak/White)
- Connect Fan Load to Pole 2 (Blue & Blue/White)

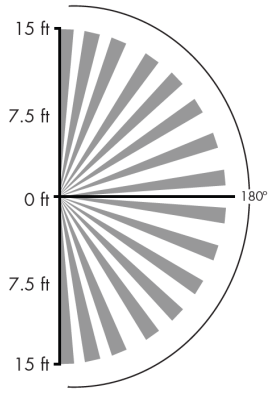
Typical Washroom



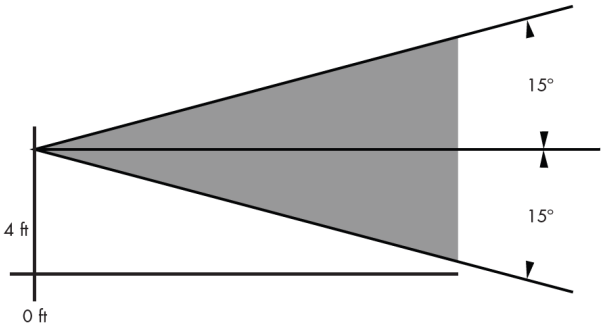
Standard Lens

- Optimal usage is to detect small motions such as hand movements
- Designed for a mounting height of up to 4ft

Top View



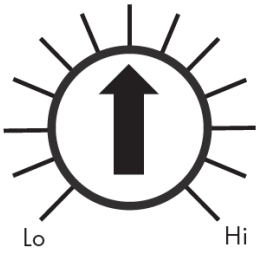
Side View



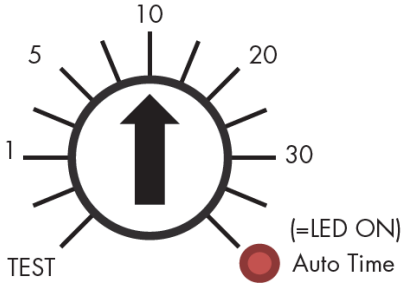
Factory Dial Settings

A bank of eight DIP switches and two rotating controls can be used to manually setup and configure the sensor.

Light Level Dial



Time Delay Dial



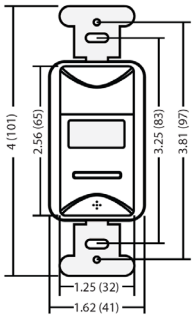
Troubleshooting

Before calling Technical Support, please review the following Troubleshooting Guide.

Issue	Possible Cause	Recommendations
Lights will not turn ON automatically	Sensor is set to Manual ON Mode.	Test by pushing button. If in Manual On Mode, the lights will turn on if activated by the push button. Check position of Dip 4.
	Sensor is set to Natural Daylight Mode (Photo Inhibit) and Sufficient Natural Light is Present.	If sufficient natural daylight (at preset levels) is present the sensor will not turn the lights on. If the lights are desired to be on a the light levels in the room, make the following adjustment. Place Dip 6 in the Down Position and ensure Dip 7 is in the Up Postion. Rotate the Light Level Dial clockwise until the Lights turn on when button is pressed.
	Sensor was turned off manually before the Time Delay expired; therefore, will remain off for the remainder of the Time Delay.	If this action is not desired, the Sensor can be set so that the button is deactivated. Check position of Dip 3.
	Power has been interrupted or wiring connection is intermittent	Check the wiring diagram. Ground must be connected. Check that the activation LED is blinking to detect motion by waving your hand in front of lens. Check position of Dip 1.
Lights will not turn ON Manually	Sensor is set to Natural Daylight Mode (Photo Inhibit) and Sufficient Natural Light is present.	If sufficient natural daylight (at preset levels) is present the sensor will not turn the lights on. If the lights are desired to be on a the light levels in the room, make the following adjustment. Place Dip 6 in the Down Position and ensure Dip 7 is in the Up Postion. Rotate the Light Level Dial clockwise until the Lights turn on when button is pressed.
	Power has been interrupted or wiring connection is intermittent.	Check the wiring diagram. Ground must be connected. Check that the activation LED is blinking to detect motion by waving your hand in front of lens. Check position of Dip 1.
Lights will not turn OFF automatically	Sensor is in Auto Mode.	If the Sensor is in AUTO Mode, it may take longer than expected to turn the lights off. Set the Time Delay to 5 minutes and leave space to determine if the Sensor is functioning. The maximum Time Delay is 30 minutes.
	Sensor is being activated by a heat source other than occupant.	Sensor may be detecting heat from Air Handling registers or other heat sources. Check Installation Guidelines and move if necessary. Reduce PIR sensitivity. Check position of Dip 5.
Lights will not turn OFF Manually	Sensor button has been disabled.	Sensor button can be disabled thereby relying on the PIR not detecting motion and the Time Delay has to expire. Check position of Dip 1 and Time Delay settings.

Dimensions

Inches [mm]



Technical Details

INPUTS	• 24 VAC ±25% • Class 2 Low Voltage • 60Hz • Use #18AWG wire
OUTPUTS	• Diode Pulse: Each output is capable of driving up to four Diode Pulse relays. • 0-10V Dimming: Connections are polarity sensitive. Up to 25mA sinking. • Aux Relay: SPDT Form-C contact rated for 1A at 30VDC
POWER CONSUMPTION	• 9.5mA Standard • 14.0 mA with Auxiliary Relay
APPROVALS	• FCC
ENVIRONMENT	• Indoors, stationary, non-vibrating, non-corrosive atmosphere and noncondensing humidity • Ambient Operation Temperature: 14°F to 140°F (-10°C to 40°C) • Storage Temperature: -14°F to 140°F (-25°C to 60°C)
WARRANTY	• Standard 5-years