



# 8 Outlet Power Strip with Personal Sensor

Model#:

**IDP-3050-A**



DI-110



## SPECIFICATIONS

**Personal Sensor**- passive infrared occupancy sensor:

- Supply Voltage: 12VDC Typical
- Time Delay Adjustment: 30 seconds to 30 minutes

**Power Strip**- eight outlet power strip:

- Electrical rating: 120VA, 15A, 50/60Hz
- 15A dry contact relay
- 15A resettable circuit breaker
- Grounded LED indicates correct wiring and grounding
- Protected LED indicates functioning of surge protection
- Eight outlets: six controlled, two uncontrolled
- 8 foot cord, black
- UL 1449 rating: 330V
- Circuit: High Energy, Multi-stage hybrid
- Noise filtration: 0-25dB (94.38%)
- Joule rating: 720 Joules
- Maximum surge amperage: 54,000 Amps
- Protection modes H-N, H-G, N-G
- Response time: instantaneous
- Let through voltage: 140V
- Initial clamping voltage: 200V
- UL & CUL listed
- Lifetime warranty: \$25,000 connected equipment warranty



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US Patents:  
4,787,722  
5,455,487  
5,598,042

## IDP 3050-A

The **Watt Stopper Isolé IDP 3050-A** is an advanced energy-saving control system, designed for general office use. It combines an eight-outlet power strip with the DI-110 personal sensor. The IDP 3050-A controls power used by plug load devices, and provides surge protection. Its use reduces energy costs and helps the environment by turning power-consuming devices off based on occupancy.

### The Power Strip

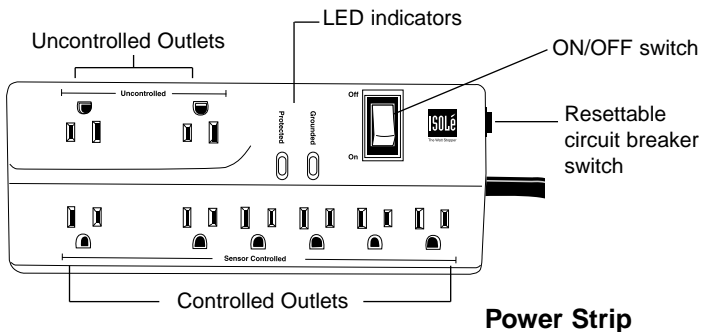
Functionally, the power strip provides surge protection. It also filters noise caused by electromagnetic interference (EMI) and radio frequency interference (RFI).

#### Outlets

Six of the power strip's eight outlets are **controlled** by the personal sensor and the remaining two are **uncontrolled**.

#### Switches

The power strip has an **ON/OFF switch** to turn on or off the power strip and its eight outlets. For protection against excessive current flow, the power strip is equipped with a **resettable circuit breaker switch**. If the LED, labeled "Protected," is unlit, press this switch. (See "Diagnostic Lights" for fault recognition.)



### Diagnostic Lights

#### • "Protected" LED indicator

When the surge protector is operating correctly, an LED indicator, labeled "**Protected**," is lit. When unlit, this LED indicates the occurrence of a power disturbance or fault within the unit.

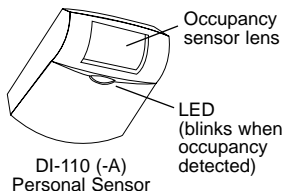
#### • "Grounded" LED indicator

Another LED indicator, labeled "**Grounded**," is lit when the wall outlet is properly wired and grounded. The surge protection will not operate if the power strip is not properly grounded.

## The DI-110 Personal Sensor

The **DI-110** personal sensor uses **passive infrared** technology to detect occupancy within a workspace.

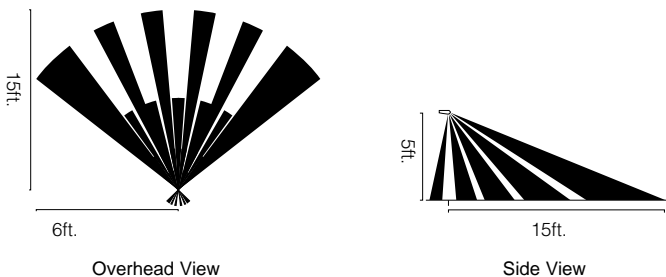
The personal sensor automatically turns on the power strip's six controlled outlets when occupancy is detected. It turns off these outlets when a workspace becomes unoccupied and the user-set time delay elapses. (See "Time Delay Setting.") Uncontrolled outlets are continuously powered by the power strip and remain on regardless of occupancy.



## PERSONAL SENSOR PLACEMENT

The personal sensor uses a multi-segmented Fresnel lens to view a coverage area. Position the sensor to have a clear view of motion (especially hand motion) in the workspace. Make sure that it does not view open doors or entrances where people passing by may be detected.

Below, the diagrams depict the DI-110 personal sensor's coverage patterns. These diagrams illustrate the areas in which the sensor will best sense motion. Use the diagrams as a general reference to help determine the positioning and orientation of the personal sensor.

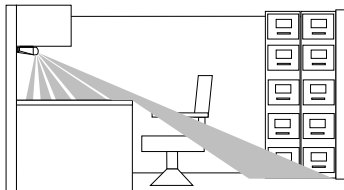
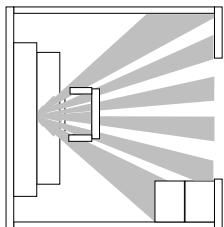


**DI-110 Sensor Coverage Patterns**

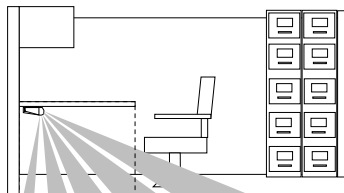
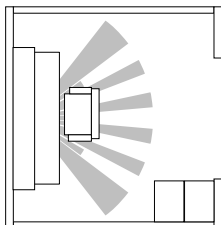
## DI-110 Office Placement Examples

These diagrams give examples of sensor placement in a workspace while illustrating typical coverage patterns and coverage ranges.

Mounted under binder bin



Mounted under desk



Overhead Views

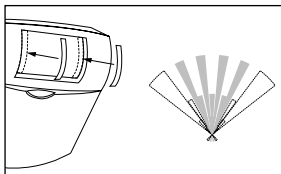
Side Views

## Altering Coverage Ranges

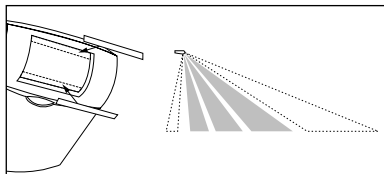
The IDP-3050-A package also includes strips of tape, used to mask areas of the sensor lens. Masking the lens allows the user to alter or refine coverage areas.

To narrow coverage, place tape on left or right sides of the lens. To shorten coverage, place tape on the top or bottom of the lens. See the illustrations here as examples.

Narrows Coverage Area



Shortens Coverage Area



## PERSONAL SENSOR MOUNTING

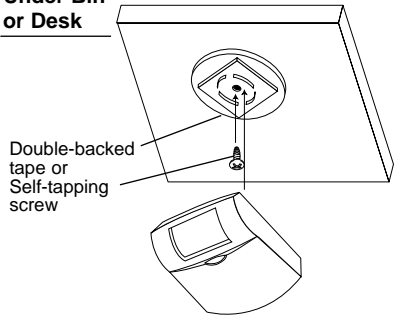
**Note:** When determining mounting locations, verify that the connecting cable from the personal sensor will comfortably reach the cable socket on the power strip.

The **DI-110** is usually mounted under a desk or binder bin as shown in the office placement example diagrams. However, it can be mounted to any flat surface.

1. Attach the mounting plate to the desired location with the provided self-tapping screw or double-backed tape.
2. Snap the sensor onto the mounting plate.

### DI-110 Mounting:

#### Under Bin or Desk



## INSTALLATION

### DI-110 Personal Sensor

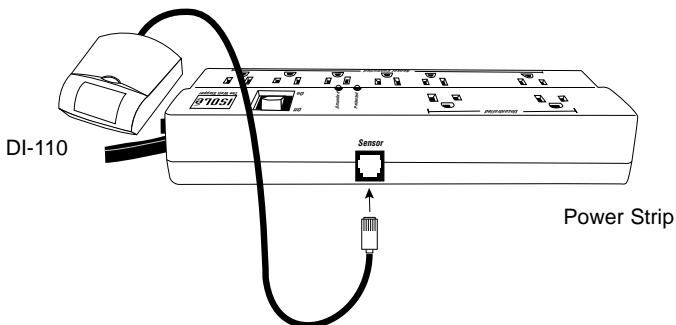
- Plug one end of the provided cable into the back of the DI-110 and the other end of the cable into the side of the power strip.

### Power Strip

- Plug the power cord into a 120VAC wall receptacle.

### CAUTIONS:

- ⚠ Follow local building and safety codes when installing this product.
- ⚠ Plug only the Isolé personal sensor into the power strip's jack-otherwise, damage may result.
- ⚠ NEVER plug any devices that must remain on throughout the day (i.e., CPU) into the controlled outlets.



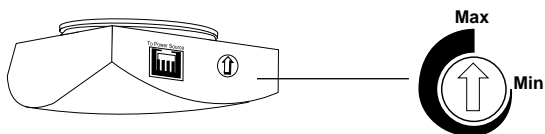
## Time Delay Setting

The personal sensor automatically turns off all controlled devices after a workspace becomes vacant and a pre-set time interval, or **time delay**, elapses. This setting is user-adjustable.

Turning the trimpot dial, located on the back on the sensor, clockwise or counterclockwise adjusts the time delay. The range for adjustment is 30 seconds to 30 minutes.

- To adjust to 30 seconds (minimum), turn the dial completely counterclockwise.
- To adjust to 30 minutes (maximum), turn the dial completely clockwise.
- To adjust to 15 minutes, turn the dial half way between its maximal clockwise and counterclockwise positions.

Note: Use a small screwdriver to make adjustments.



## Initial Warm-up

The personal sensor requires an initial warm-up period of up to two minutes whenever the power strip is turned on. During this time, all connected devices will remain on, regardless of occupancy or the time delay setting.

## **TROUBLESHOOTING**

### **Devices do not turn on with occupancy.**

If the LED, labeled “Grounded,” is not lit:

- Make certain that the power strip is securely plugged into a properly grounded and wired outlet. Check that the ON/OFF switch is in the “ON” position.
- Make certain that the cable connection between the personal sensor and the power strip is secure.
- Make certain that the personal sensor is positioned to view the desired coverage area. (See “Personal Sensor Placement.”)

### **Devices turn on without occupancy.**

The sensor may be detecting people outside of the workspace.

- Reorient the sensor so that it does not view beyond boundaries of the workspace.

### **The controlled devices turn off when the workspace is occupied.**

- Change the personal sensor’s location or orientation within the workspace to increase the sensor’s detection of motion, especially hand motion. (See “Personal Sensor Placement.”)
- Increase the personal sensor’s time delay setting. (See “Time Delay Setting.”)

### **The Protected LED is not lit.**

- Turn the power strip off and then on. Check to see if the circuit breaker switch needs resetting.
- If the Protected LED remains off, the surge suppression feature has stopped working. Any devices requiring surge protection should not be plugged into the power strip’s outlets. The power strip may need to be replaced. Call our Technical Support Line.

### **The Grounded LED is not lit.**

- Electrical outlet may not be functioning properly. Switch to a properly grounded electrical outlet. Report to facility manager or engineer for verification and repair.

These suggestions should help solve most problems. For further assistance, call our Technical Support Line at 1(800)879-8585 or 1(972)578-1699.

## ORDERING INFORMATION

Catalog#	Description
IDP 3050-A	Eight outlet Power Strip with DI-110 Personal Sensor

***The Watt Stopper®***

***Putting a Stop to Energy Waste®***