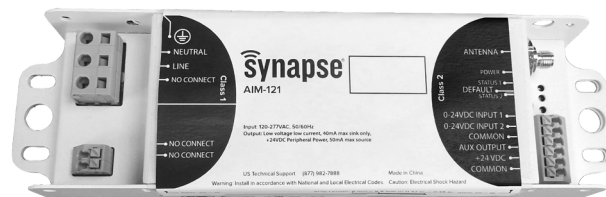




AIM-121

Accessory Interface Module



**Antenna Required
(Not Included)**

For Easy Integration of Sensors

Order #	Description
AIM-121	Wireless Accessory Interface Module for Sensors and External Relay Control

Dimensions	8.2" L x 2.3" W x 1.3" H (209mm L x 59mm W x 33mm H)
Input Power	100 to 277 VAC +/- 10% (Max 305V) 47/64 Hz
Operating Environment	-40°C to +55°C
Auxiliary Output	Switch closure, 40mA max, sink only
Radio	SNAP 2.4GHz ; 802.15.4 +20 dBm Transmit Power -103 dBm Receive Sensitivity
Sensor Inputs	0 - 10V (photocell sensors) 0 - 24V (all other sensors)
Sensor Power Supply	24VDC @ 50mA
Certifications	c(UL)us, FCC, IC, CE
Warranty	5 Years

Auxiliary Controls

Specification Data	
Job Name	
Type	
Catalog #	
Comments	

Product Overview

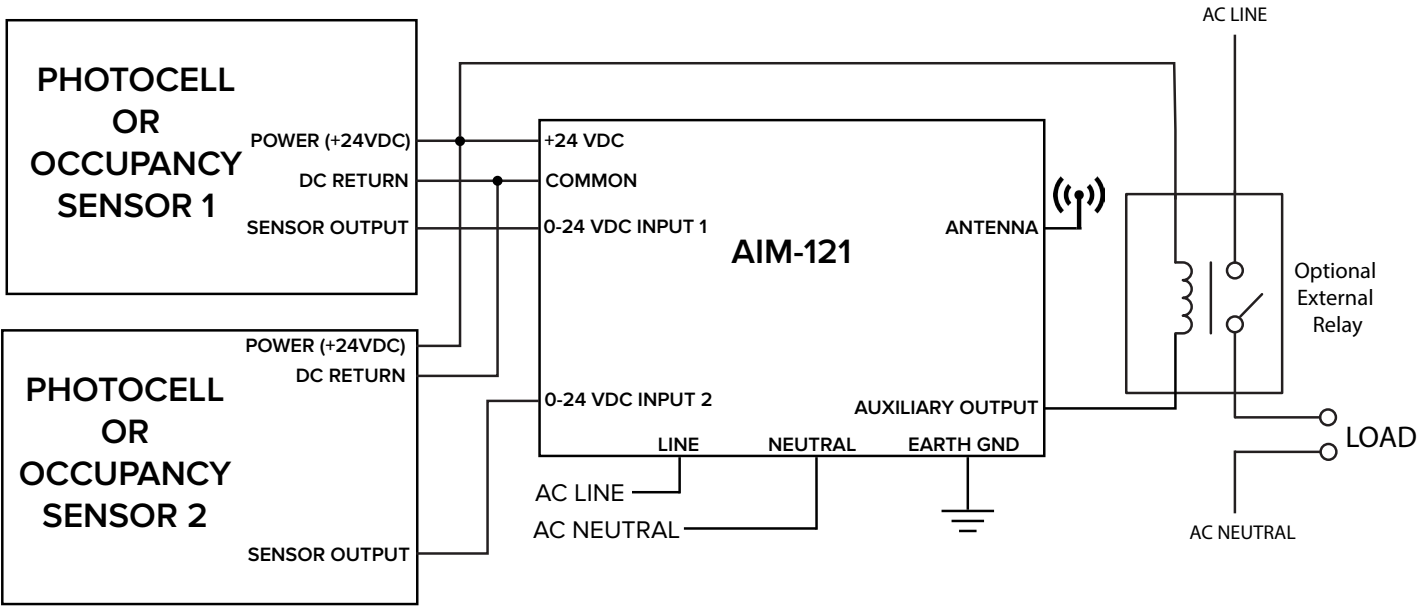
The **AIM-121** is an accessory interface module that allows connection of two standard wired sensors to the SimplySNAP wireless lighting solution. It also provides an auxiliary output that can be used to drive an external relay.

Features

- Self-healing SNAP Mesh Networking
- Seamlessly integrates into the SimplySNAP lighting control solution
- Direct Connect to 24V Occupancy Sensors and Photocells (consult sales for compatible list)
- Switched output for external relay drive
- Secure, over-the-air upgrades to support future enhancements
- Excellent RF Range — 1 mile LoS between controllers
- Available in a metal cased version with quick connect terminal blocks

To learn more, visit synapse-wireless.com
or call (877) 982-7888

AIM-121 Wiring Diagram



Class 1 Terminal Block (accepts 12-28 AWG wires)	
Neutral	AC Return
Line	100-277 VAC (+/- 10%)

Class 2 Terminal Block (accepts 18-20 AWG wires)	
0-24V Input 1	Sensor Input 1
0-24V Input 2	Sensor Input 2
Common	Sensor DC Return
Auxiliary Output	Low Voltage Low Current Output
+24 VDC	Sensor Power Supply
Common	Sensor Power Supply Return

LED Indicators	Power LED: Power On
	Status1 LED: Reserved for future use
	Status2 LED: Reserved for future use

Antenna not included – RP-SMA Male

Part #	Description	dBi
ANT-IAB-3.2-1	Indoor, 2.4GHz, Articulating, Black	3.2dBi
ANT-IAB-2.0-1	Indoor, 2.4GHz, Articulating, Black	2.0dBi
ANT-IAB-4.9-1	Indoor, 2.4GHz, Articulating, Black	4.9dBi
ANT-OSB-1.5-1	Outdoor, 2.4GHz, Straight, Black, IP65	1.5dBi
ANT-ORB-1.5-1	Outdoor, 2.4GHz, Fixed Right Angle, Black, IP65	1.5dBi

Fixture Antenna Kits

Part #	Description
GLP-KIT-ANT18-01	Outdoor RH Antenna Kit, 18" Male to Male Coax Cable + Outdoor Right Angle Antenna + Female to Female 14mm Bulkhead with Nut + O-ring
GLP-KIT-ANT18-02	Outdoor ST Antenna Kit, 18" Male to Male Coax Cable + Outdoor Straight Antenna + Female to Female 14mm Bulkhead with Nut + O-ring
GLP-KIT-ANT18-13-2.0	Indoor Articulating Antenna Kit, 18" Male to Male Coax Cable + Indoor articulating Antenna 2.0dBi Gain + Female to Female 14mm Bulkhead with Nut + O-ring
GLP-KIT-ANT18-13-3.2	Indoor Articulating Antenna Kit, 18" Male to Male Coax Cable + Indoor articulating Antenna 3.2dBi Gain + Female to Female 14mm Bulkhead with Nut + O-ring