

Space Sensor Coordinator

Versatile and Easy to Install

Turns off All Lights in a Multi-Zone Space when there is no Occupancy in Any Zone for a Period of Time

Meets IECC 2018 Multi Zone Sensor Coordination Requirement



Flexible Installation Fully networked and integrated with the Avi-on ecosystem

PRODUCT OVERVIEW

Description

The Space Sensor Coordinator unifies large, separately controlled sensor spaces to turn off in unison when the entire space is vacant. This adds predictability, security, and safety to an occupied space, while still leveraging the energy savings that come with sensor occupancy control.

Meets IECC 2018 multi-zone sensor coordination requirement

For larger spaces with multiple zones, sensors may leave lights on at a lower level, but after a set period of time when there is no occupancy in the full space, all the lights must turn off.

Simple configuration, all that is required is installing the Coordinator, add to the location, configure the zones to coordinate and the time delay to turn off.

Flexible Installation

The Space Sensor Coordinator is a different firmware version installed on an Avi-on XFAC hardware. There is no additional control wiring required. The unit wirelessly coordinates all sensors in the space. The functionality is packaged in a Class I Power Pack so that it is easy to install by installing on the outside of any convenient powered electrical box in the area and powering with 110-277V AC Power

ORDERING INFORMATION

Part Number	Supply Voltage	Channels	Configuration
AVI-SPACE-COORDINATOR	100 - 277 VAC	N/A	Class 1

To order please contact Avi-on sales at **(877) AVION-US**, (877) 284-6687 or prosales@avi-on.com for information on becoming an Avi-on partner and order details.

Project		Location/Type	
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SPECIFICATIONS

Specifications	Min	Max	Unit
Supply Voltage US	100	277	VAC
Supply Voltage EU	220	240	VAC
Operating Current Consumption (100 VAC / 277 VAC)	20 / 14	81 / 46	mA
Operating Current Consumption (230 VAC)	14	46	mA
Storage Temperature	-40/-40	+185/+85	°F/°C
Ambient Operating Temperature	-4/-20	+113/+45	°F/°C

High Voltage Connections

Signal Name	Wire Color	Description
AC VOLTAGE (LINE)	BLACK (AC LINE)	AC 100-277VAC, #14
NEUTRAL	WHITE	AC neutral/common, #18

Low Voltage Connections (Not Applicable)

Case Dimensions (Excluding Wires)

Part	Length	Width	Height
All	3.58" (91mm)	3.58" (91mm)	1.57" (40mm)

Protection/Immunity (non-regulatory):

AC-input/user input and output connections:
ESD Level-4 immunity per IEC/EN 61000-4-2

Level	Contact Discharge	Air Discharge
4	±8 kV	±12 kV

AC-input: EFT and BUSRTS immunity IEC/EN 61000-4-4, Class3 or better (= <2 kV)

AC-input: SURGE immunity IEC/EN 61000-4-5, Class3 or better (= <2 kV)

EU Regulatory

Over-voltage: Category III

Glow-wire temperatures: 650°C /850°C

PCB Coating Type: Type 2

Certifications

Regulatory	Description
USA	FCC: FCC ID: 2AFZI-AVIBG21 FCC Part 15, Subpart B (Class B) FCC Part 15.247
EU	BS EN IEC 55015:2019+A11:2020 / EN IEC 55015:2019+A11:2020 BS EN 61547:2009 / EN 61547:2009 BS EN IEC 61000-3-2:2019+A1:2021 / EN IEC 61000-3-2:2019+A1:2021 BS EN 61000-3-3:2013+A1:2019 / EN 61000-3-3:2013+A1:2019 ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09) BS EN IEC 61058-1:2018 / EN IEC 61058-1:2018 BS EN 61058-1-2:2016 / EN 61058-1-2:2016 BS EN 62479:2010 / BS EN 62479:2010 BS EN 50663:2017 / EN 50663:2017 ETSI EN 300 328 V2.2.2 (2019-11)
Canada	IC: 20544-AVIBG21 ICES-005, Issue 5, Dec. 2018 RSS-GEN Issue 5, Feb. 2021 Amendment 2 RSS-247 Issue 2, Feb. 2017
BQB	DID: D059595 Qualified Design ID (QDID): 185220
UL	UL 60730-1 ED. 5 UL 924 ED. 10 UL 2043 ED. 4

DIMENSIONS & WIRING DIAGRAMS

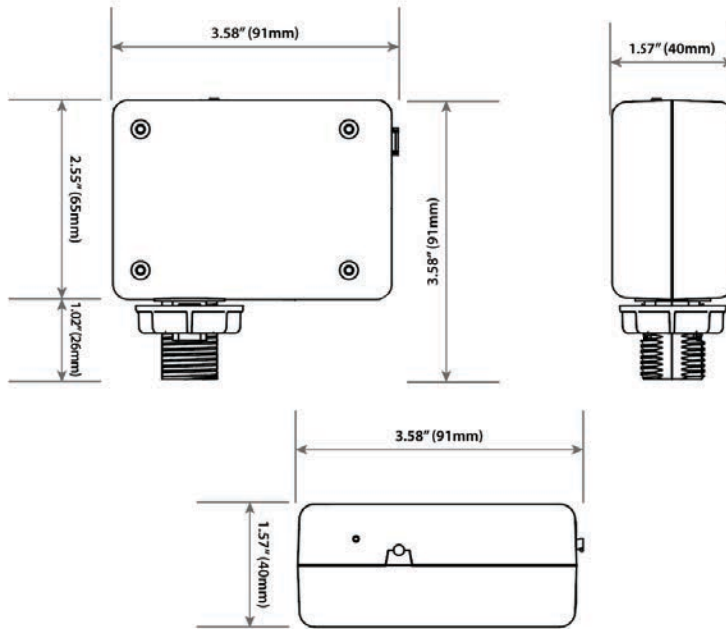
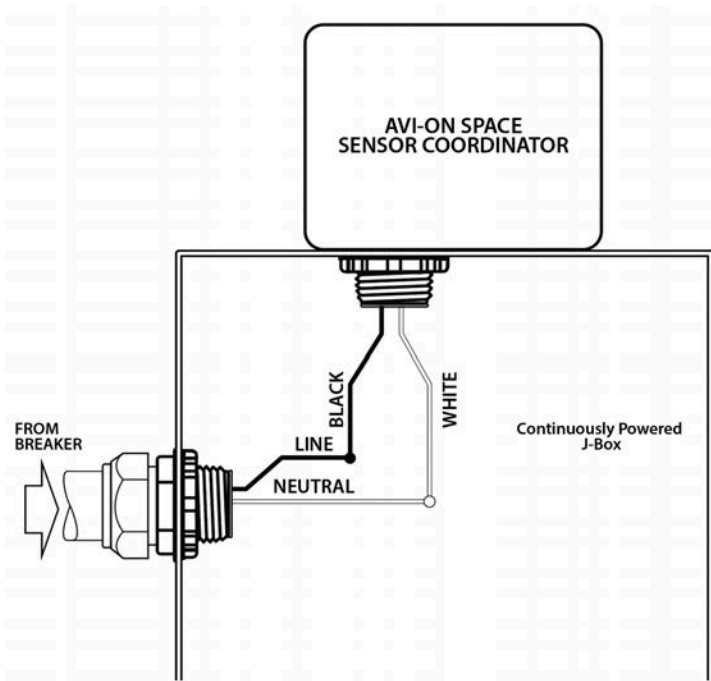


Figure 1. Dimensions



Install In the Same Space Being Coordinated

Figure 2. Wiring Diagram

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