



# ENCELIUM SIM Low Voltage Sensor Installation Guide

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**ENCELIUM**

## ENCELIUM SIM Low Voltage Sensor



## Product Usage Instructions

- When using the SIM, adhere to the following safety precautions:
- The SIM interfaces sensors like occupancy and photosensors with the GreenBus communication network.  
Follow these steps for installation:
- Ensure installation in dry, indoor locations only.
- If installing in damp locations, use a damp-rated SIM.
- For some installations, a junction box may be required. Follow these steps for mounting:
- Securely mount the SIM to the junction box using an available PG-7 (0.5 inch) trade-size knockout and retainer nut.
- For wiring connections, follow these guidelines based on the type of sensor:

## FAQ

- **Q:** Can I install the SIM in damp locations?
- **A:** The SIM is recommended for dry, indoor locations. For damp installations, use a damp-rated SIM.
- **Q:** What safety precautions should I follow when using the SIM?
- **A:** Avoid letting power cords touch hot surfaces, mounting near heat sources, and use only for the intended purpose.

## PRODUCT SAFETY

- When using electrical equipment, basic safety precautions should always be followed, including the following:

## READ THESE INSTRUCTIONS BEFORE USING THIS PRODUCT

- Do not let power supply cords touch hot surfaces.
- Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by Encelium as it may cause an unsafe condition.
- Do not use this equipment for other than the intended use.

## SAVE THESE INSTRUCTIONS

## GETTING STARTED

### Overview

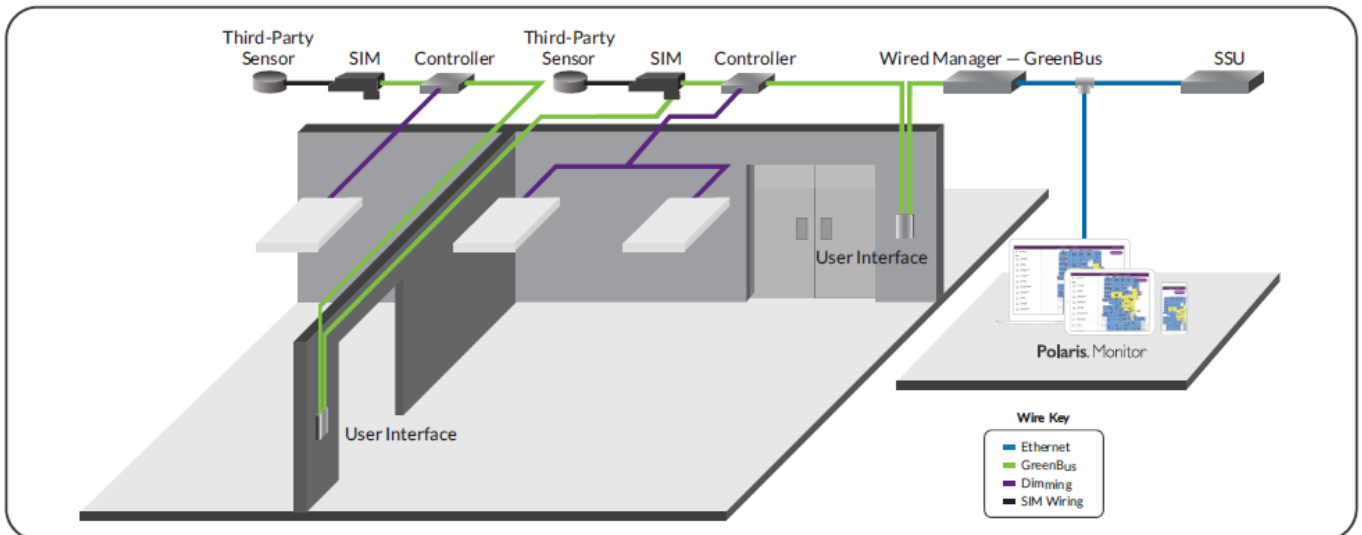
The Sensor Interface Module (SIM) provides an interface between sensors such as occupancy and photosensors to the GreenBus™ communication network. The SIM is automatically addressed as soon as it is connected to the Encelium Wired Manager.

The SIM is available in two models:

- Indoor
- Damp Rated

## WIRED SYSTEM OVERVIEW

- GreenBus technology makes wiring fast and error-free since it's intuitive to install. With Encelium X, you can control DALI devices exclusively or a mixture of GreenBus and DALI.

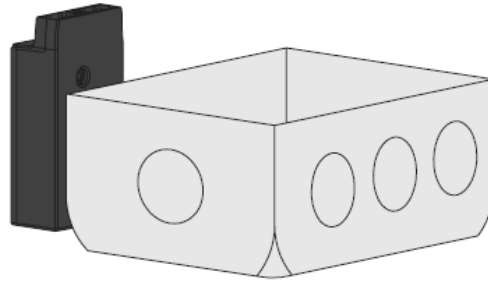


## INSTALLATION

- The SIM provides an interface between sensors such as occupancy and photosensors to the GreenBus communication network.
- **Notes:** The SIM is to be installed in dry, indoor locations ONLY. For damp installations, ensure to use the SIM (damp-rated).
- Damp locations are defined as: interior locations subject to moderate degrees of moisture, such as some basements, some barns, some cold-storage warehouses, and the like, and partially protected locations under canopies, marquees, roofed open porches, and the like.

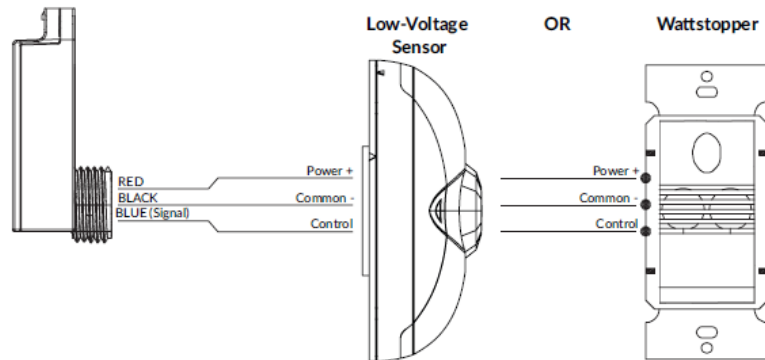
## MOUNTING OPTION

- **Junction Box Mount** For some installations, a junction box may be required. It is recommended to securely mount the SIM to the junction box using an available PG-7 (0.5 inch) trade-size knockout and retainer nut.

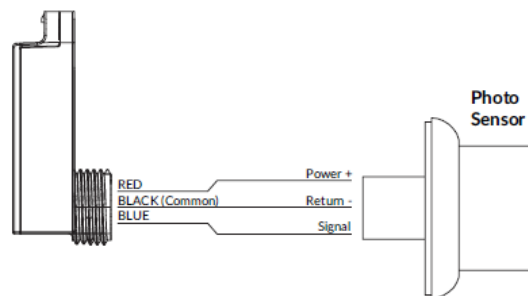


## ELECTRICAL CONNECTIONS

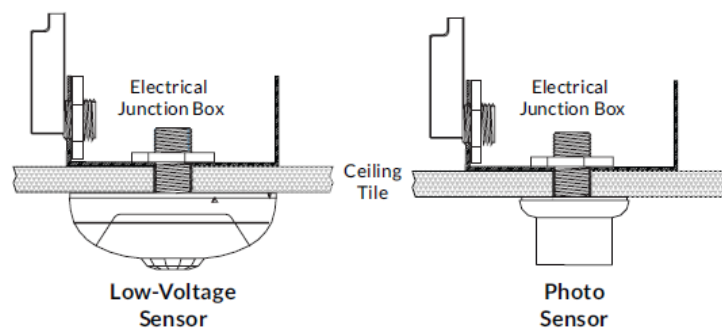
### 1. SIM to Low-Voltage Sensor or Wattstopper Wiring



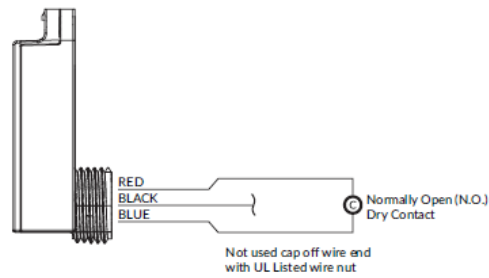
### 2. SIM to Photo Sensor Wiring



### 3. SIM to Sensor Junction Box Wiring

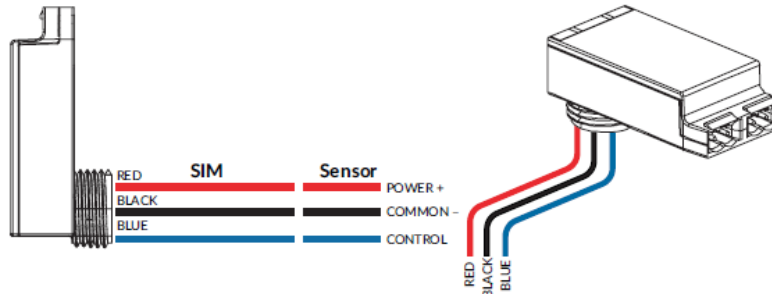


### 4. Contact Closure Wiring



## 5. SIM Wiring

The module is made from tested material to be used in plenum or “plenum-rated” areas.



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 080428r1 01/24 [encelium.com](https://www.encelium.com)

## Documents / Resources

	<p><a href="#">ENCELIUM SIM Low Voltage Sensor [pdf] Installation Guide</a>          SSU, SIM Low Voltage Sensor, SIM, Low Voltage Sensor, Sensor</p>
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## References

- [E Encelium - Exceptional Lighting Management](#)
- [User Manual](#)

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