



ENCELIUM EDGE™ Controller

Wiring and installation guide

Overview

The ENCELIUM EDGE™ wireless lighting controller (EEC) configures and monitors the various components of the ENCELIUM EDGE standalone wireless lighting control system. Each EEC covers up to approximately 10,000 square feet and/or up to 100 nodes.

EEC operating power is provided by the supplied power supply unit or Power over Ethernet (PoE) power sourcing equipment.

For optimum performance, the EEC may be installed onto a wall or ceiling surface. Installation into plenum-rated spaces is possible but NOT preferred.

The following model(s) are available:

- Indoor Locations: EN-EC-ZB-SW

Important Safeguards



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


- READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- 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 OSRAM as it may cause an unsafe condition.
- Do not use this equipment for other than the intended use.

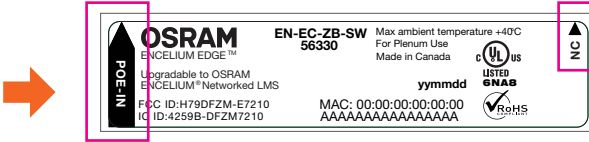


SAVE THESE INSTRUCTIONS

Module Installation

The EEC must be connected to the supplied ENCELIUM EDGE™ Controller Power Supply Unit or an Ethernet PoE network switch using standard CAT-5 (or greater) Ethernet cabling. If a PoE network switch is not available, a PoE injector (active or passive) may be used.

 Pay careful attention to the POE-IN and NC labels at the rear of the EEC. The Ethernet cable from the EEC Power Supply Unit or Ethernet PoE network switch or PoE injector connects to the PoE port pointed by POE-IN arrow.



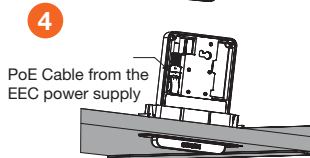
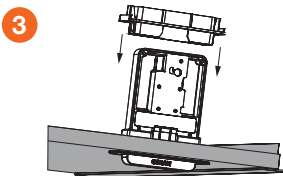
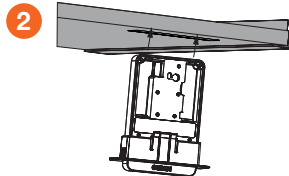
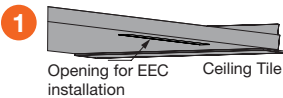
The EEC has been tested in accordance to UL2043 and is suitable to be used in plenum or “plenum rated” areas.

The EEC may be installed into a drop-ceiling tile (preferred installation), directly onto a wall junction box, or onto a wall surface.

Ceiling Tile Installation

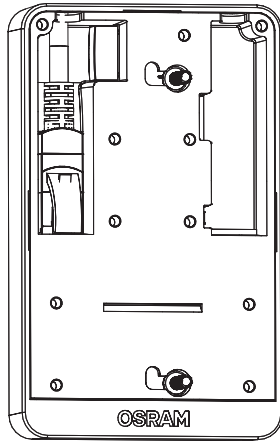
This is the preferred installation method for maximum antenna performance.

1. Cut a hole in the ceiling using the supplied template (the cardboard cutout holding the ceiling mount bracket in place in the packaging).
2. Assemble the EEC and the ceiling mount bracket together. Push the ceiling mount bracket until the lock snaps into the groove.
3. Push the assembled EEC through the ceiling tile.
4. Place the upper bracket on to the EEC (above the ceiling tile from the plenum area) until it locks with the lower bracket.
5. Connect the Ethernet cable to the PoE port using the POE-IN arrow point on the EEC for alignment.



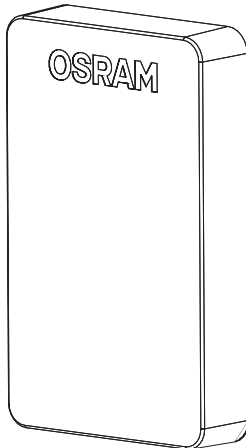
Wall Junction Box Installation

1. Connect the Ethernet cable to the PoE port using the POE-IN arrow point on the EEC for alignment.
2. Install the EEC onto the box screws.



Wall Surface Installation

1. Pre-drill two holes (3.28" or 83.3mm apart) on the wall using the supplied template.
2. Install wall plugs and the supplied screws into the pre-drilled holes.
3. Connect the Ethernet cable to the PoE port pointed by the POE-IN arrow on the EEC.
4. EEC must be mounted vertically.



Installation Notes

The EEC must be installed in dry, indoor locations ONLY. Damp locations are defined as: interior locations subject to moderate degrees of moisture such as basements, barns, cold-storage warehouses, as well as partially protected locations under canopies, marquees and open roofed porches.

Troubleshooting

There are no user-serviceable parts inside the EEC. Please return the device to OSRAM if service is required.

Regulatory Approvals

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

This equipment has been tested and found to comply with Industry Canada ICES-003 Issue 5 (CAN ICES-3 (A)/NMB-3(A)).

Contains FCC ID: H79DFZM-E7210

Contains IC ID: 4259B-DFZM7210

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NUnit

NUnit.Console

NUnit.ConsoleRunner

NUnit.Extension.NUnitProjectLoader

NUnit.Extension.NUnitV2Driver

NUnit.Extension.NUnitV2ResultWriter

NUnit.Extension.TeamCityEventListener

NUnit.Extension.VSProjectLoader

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