

# Installation Guide

## Guía de instalación

# ubicquia AQM+



ubicquia

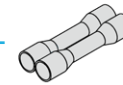
Lever Nut Connector (2X)

Conector para Empalmar el Cable (2X)



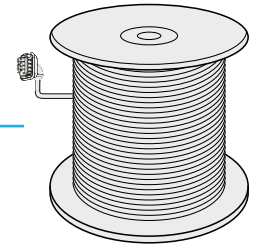
Heat Shrink Butt Connector

Conector Termoretráctil



Connector + 20 AWG Cable (40ft / 12m)

Conector + Cable de Grosor de 20 AWG (40ft / 12m)



Mounting Bracket

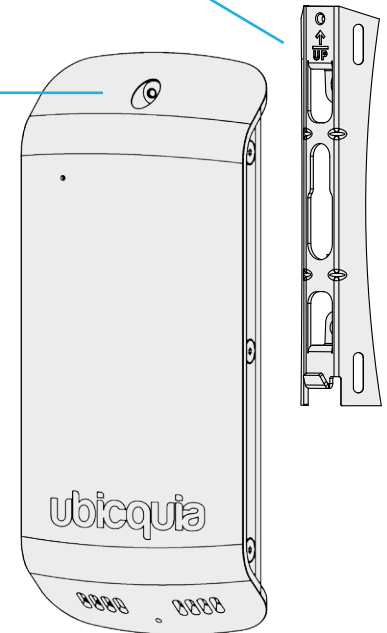
Soporte de Instalacion

Captive Mounting Screw

Tornillo Cautivo

UbiSmart™ AQM+ Unit

Unidad UbiSmart™ AQM+



#### Required Materials

- . Tamper Resistant T15 Driver
- . Concrete screws (x2) or up to 1/2 inch bands (x2)
- . Other tools required depending on bracket installation method

#### Herramientas Necesarias

- . Destornillador Torx T15
- . Tornillos para concreto (x2) para cintas de hasta 1/2"
- . Se requieren otras herramientas dependiendo del método de instalación del soporte

**\*EN: NOTE:** UbiSmart AQM+ device only functions when paired with UbiCell™ or UbiHub™.

**\*ES: NOTA:** UbiSmart AQM+ solamente funciona cuando esta conectado con un UbiCell™ o UbiHub™.

1

**EN: Mounting Height.** Ubicquia recommends the UbiSmart AQM+ be mounted 10ft / 3m above ground.

**ES: Altura de Montaje.** Ubicquia recomienda montar el Ubismart AQM+ a 10 pies / 3m sobre el suelo.

**Based on EPA recommendations:**

Horizontal & vertical distance from supporting structures > 1m

Distance from trees > 20m

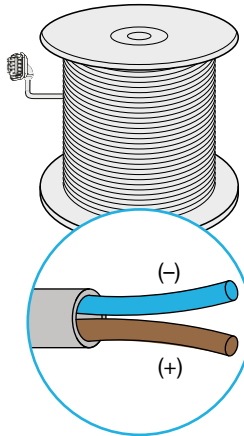
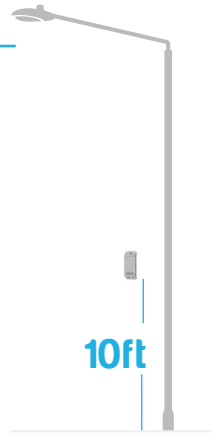
Distance from highway > 50m

**Based en recomendaciones de EPA:**

La distancia horizontal y vertical de las estructuras de soporte > 1m

Distancia de árboles > 20m

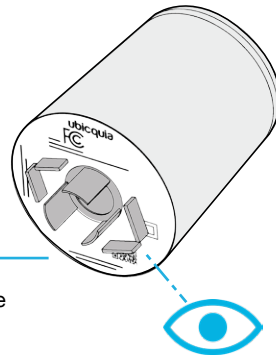
Distancia de calle > 50m



2

**EN:** Ubicquia provides a 40 ft connection cable with connector. If more cable is needed, use a 20 AWG cable with a PVC, UV stable jacket.

**ES:** Ubicquia provee un cable de 40 pies incluyendo el conector. Si necesita más cable, recomendamos utilizar un cable de cobre aislado de calibre 20 con una camisa de PVC y protección contra rayos ultravioleta (UV).

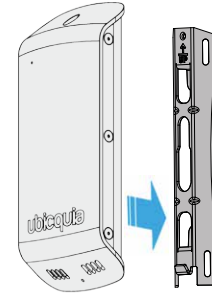


3

**EN: Installing with UbiCell.** Prior to beginning the wiring process, ensure that the UbiCell part number begins with UBC-20 or higher.

**ES: Versión UbiCell.** Antes de comenzar el proceso de cableado, asegúrese que la versión de UbiCell es 2.0 o mayor.

4

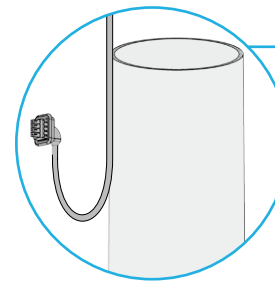


**EN:** Unscrew the captive screw and remove the bracket from the back of the UbiSmart AQM+.

**ES:** Destornille el tornillo cautivo y remueva el soporte de la parte trasera del UbiSmart AQM+.



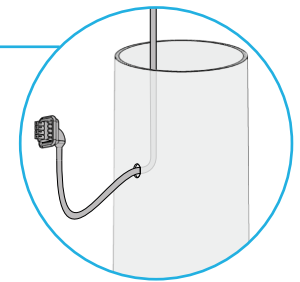
5



**EN: Concrete/Wood Pole.** The cable should be secured externally down the length of the electrical pole.

**ES: Poste de Concreto/Madera.**

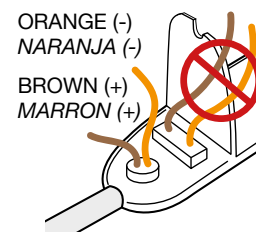
El cable debe estar asegurado externamente en toda la longitud del poste eléctrico.



**EN: Metal Pole.** The cable should be run inside the pole. Drill hole at UbiSmart AQM+ mounting location (height: 10ft / 3m) and feed the free end of the cable through drilled hole using appropriate equipment.

**ES: Poste de Metal.** El cable debe correr por dentro del poste. Perfore un orificio a la altura de instalación del UbiSmart AQM+ y pase el cable por ese orificio utilizando un pasacables apropiado (no está incluido).

6



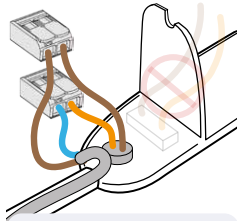
**EN:** When opening the luminaire locate the **ORANGE (-)** and **BROWN (+)** wires connected to the NEMA driver. **DO NOT USE** the **ORANGE & BROWN** connected to the LED driver.

**ES:** Cuando abra la lámpara, localice los cables **NARANJA (-)** y **MARRÓN (+)** conectados al controlador NEMA. **NO UTILICE** los cables **NARANJA** y **MARRÓN** del controlador de LED.

7

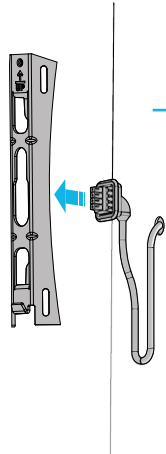
**EN:** Using the 40ft / 12m cable referenced in step 2, connect the **BROWN** wire to the **BROWN** cable (+), and the **ORANGE** wire to the **BLUE** cable (-) using a standard lever nut connector.

**ES:** Usando el cable de 40 pies / 12 m mencionado en el paso 2, conecte el cable **MARRÓN** a el cable **MARRÓN (+)** y el cable **NARANJA** al cable **AZUL (-)** usando un conector para empalmar el cable.



**EN:** BE SURE TO NOTE THE WIRE POLARITY FOR STEP 9

**ES:** ASEGÚRESE DE OBSERVAR LA POLARIDAD PARA EL PASO 9



8

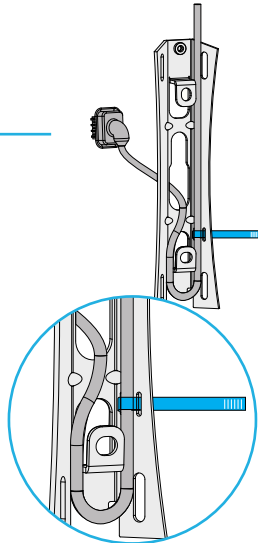
**EN:** Feed the connector through the opening in the bracket. Ensure there is up to 2 inches of service loop cable between bracket and connector.

**ES:** Pase el conector por la apertura del soporte. Asegúrese de que haya 2 pulgadas de cable colgante de servicio entre el soporte y el conector.

9

**EN:** Align the connected cable down the center of the bracket to create a drip loop. Secure with a zip tie, and cut the zip tie excess when complete.

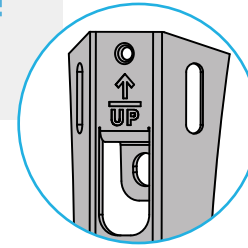
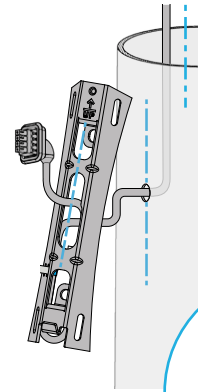
**ES:** Alinea el cable conectado por el centro del soporte para crear un bucle de goteo. Asegúrelo bien con un cintillo plástico, y corte el exceso al terminar.



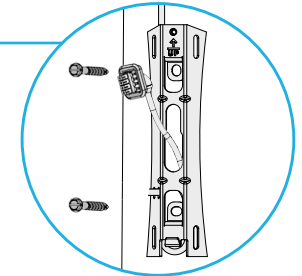
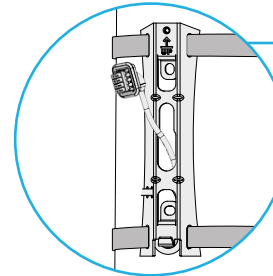
10

**EN:** Use the UP indicator to correctly orient the mounting bracket vertically, parallel to the pole.

**ES:** Use el indicador "UP" para orientar correctamente el soporte verticalmente, paralelo al poste.



11



**EN: Metal Pole. Two 1/2 inch bands** (not included). Thread the two bands through the slots in the bracket. Place the bracket against the pole and tighten the metal bands until secure.

**ES: Poste de Metal. Dos bandas de 1/2 pulgada** (no incluidas). Instalar las dos bandas a través de las ranuras del soporte, conéctelo al poste, y apriete hasta que estén bien sujetas.

**NOTE:** When tightening, ensure the bracket does not crush the cable.

**NOTA:** Al apretar, asegúrese de que el soporte no aplaste el cable.

**EN: Concrete/Wood Pole. Two 1/4" concrete screws** (not included). Align the screws and tighten until flat against the surface of the bracket. If necessary, use a wrench or drill.

**ES: Poste de Concreto/ Madera. Dos tornillos para concreto** (no incluidos). Usando una llave para tuercas o un taladro, alinea los tornillos y apriételos hasta que queden planos en la superficie del soporte.

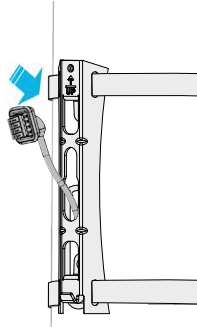
**NOTE:** Do not over-torque the screws.

**NOTA:** No apriete demasiado los tornillos.

## 12

**EN:** Once the bracket is secured, ensure that the cable is pulled through, and is not pinched by the bracket.

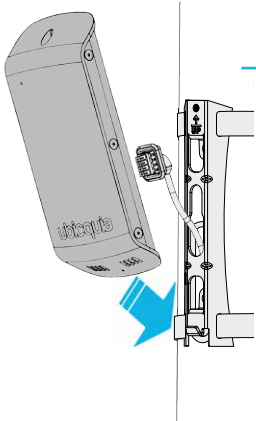
**ES:** Una vez instalado el soporte, asegúrese que el cable pase a través del soporte, y el cable no esté aplastado por el soporte.



## 13

**EN:** Toe in the bottom of the UbiSmart AQM+ into the bracket.

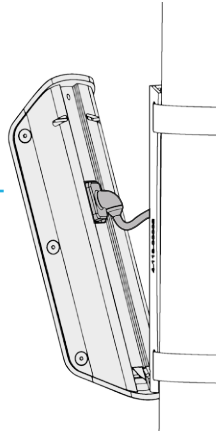
**ES:** Coloque el Ubismart AQM+ engancho la parte de abajo primero al soporte instalado previamente.



## 14

**EN:** Plug in the connector and securely connect the wire grommet into the UbiSmart AQM+.

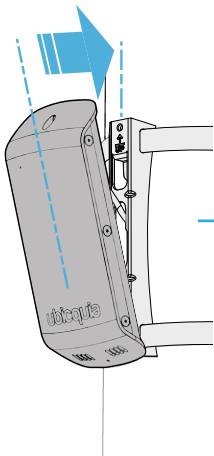
**ES:** Enchufe el conector y conecte firmemente el pasacables en el UbiSmart AQM+.



## 15

**EN:** Rotate the device upwards into the locked position.

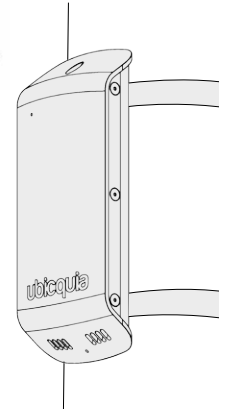
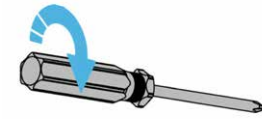
**ES:** Gire el dispositivo hacia la posición de cerrado.



## 16

**EN:** Fasten the UbiSmart AQM+ to the bracket with the captive screw, using a Tamper Resistant T15 Driver.

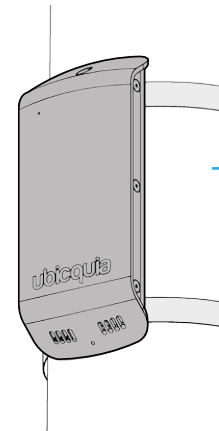
**ES:** Fije el UbiSmart AQM+ al soporte, apriete el tornillo cautivo con el destornillador T15 especial (contra alteraciones).



## 17

**EN:** The UbiSmart AQM+ installation is complete.

**ES:** La instalación del UbiSmart AQM+ se ha completado.



## 18

**EN:** After powering up device for the first time, the UbiSmart AQM+ takes ~ 45 minutes for sensor values to be displayed on UbiVu.

**ES:** Después de encender el aparato por primera vez, el UbiSmart AQM+ tarda sobre 45 minutos para que los valores del sensor se muestren en el UbiVu.



## FCC statement

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference, and 2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Ubicquia, Inc. could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### EN: QUESTIONS? CONTACT UBIQCQUIA SUPPORT:

Phone: +1-(954)-678-6191

Email: [support@ubicquia.com](mailto:support@ubicquia.com)

### ES: ¿PREGUNTAS? CONTACTE ATENCIÓN A CLIENTES DE UBIQCQUIA:

Teléfono: +1-(954)-678-6191

Email: [support@ubicquia.com](mailto:support@ubicquia.com)

**ubicquia**

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2064 v3 April 2022