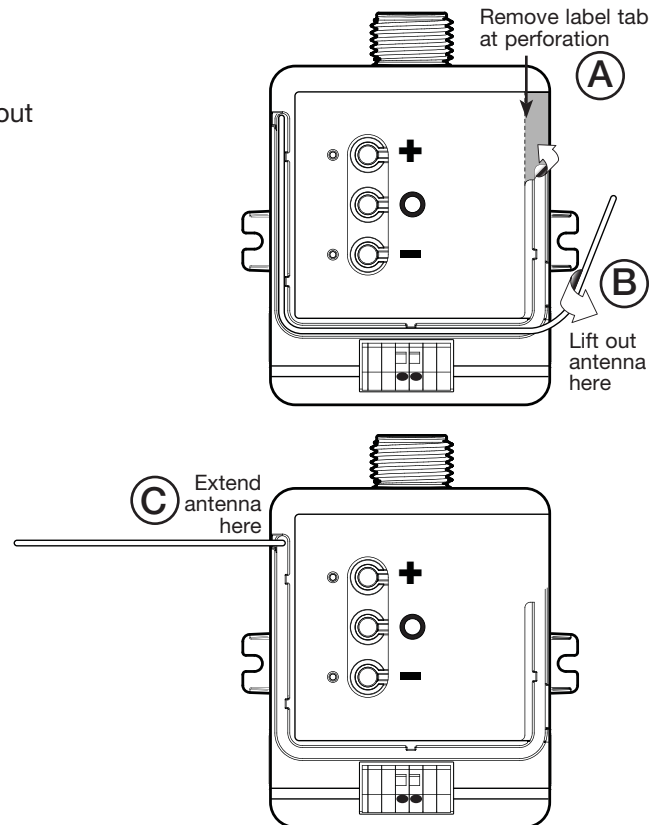


Installing a PowPak™ Module Inside a Junction Box

In some applications, such as in a Chicago plenum space or when the EcoSystem® link wiring will be run according to Class 1 methods, the PowPak™ module can be installed inside a 4 in x 4 in junction box. The following application note uses the PowPak™ EcoSystem® Dimming Module as an example, but the installation instructions apply to all PowPak™ units.

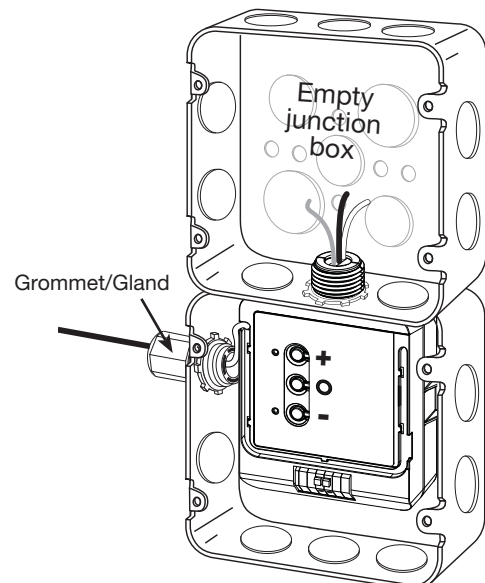
Step One

- A) Remove the label tab by tearing at the perforation.
- B) Lift the flexible antenna on the PowPak™ module from the cutout on the right side of the antenna trough.
- C) Extend the antenna out from the left side of the PowPak™ as indicated.



Step Two

Mount the PowPak™ module inside a 4 in x 4 in junction box with the mounting nipple protruding into an adjoining junction box as shown. Route the antenna wire out of the closest knockout and seal the knockout with a grommet or cable gland according to the local electrical code.



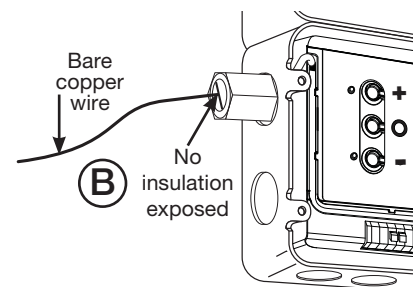
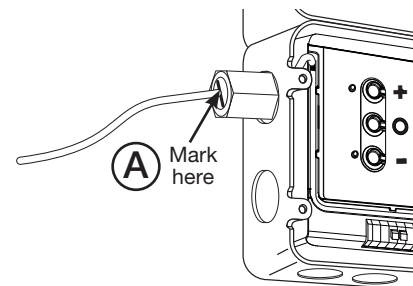
continued on next page...

Step Three (if required)

Follow this step if your local regulations do not allow polymeric materials in the plenum space, such as the City of Chicago. Otherwise, proceed to Step 4.

- A) Mark the antenna wire insulation where the wire first enters the plenum space.
- B) Pull the antenna wire back through the grommet/gland. Using an 18 AWG wire stripper, strip the antenna wire back an extra 1/8 in (3.17 mm) beyond the mark made in Step A. Reinstall as shown and confirm that there is no antenna wire insulation exposed in the plenum space.

NOTE: The cable gland must be made of a fire retardant material.

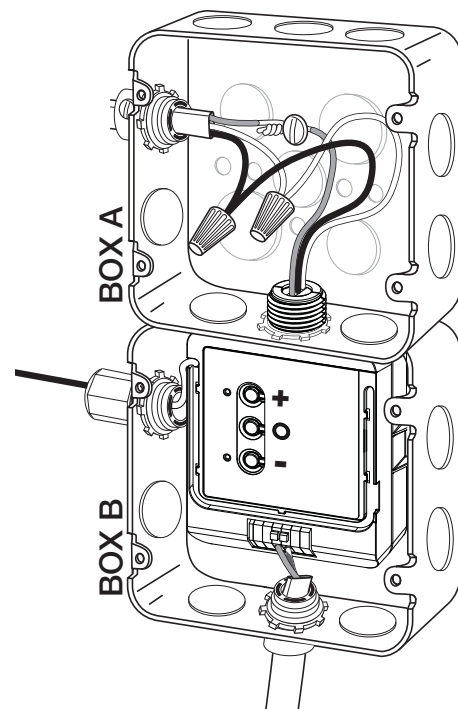


Step Four

Make the power wiring connection in Box A and the low-voltage wiring connections in Box B. Run wiring from boxes to fixtures through conduit if required.

Step Five

Install the junction box lids and gaskets as required by the local electrical code. Extend the antenna out from the junction box, avoiding any contact with metal objects. For optimal RF performance, position the antenna as far away from metal objects as possible.



Lutron Contact Numbers

WORLD HEADQUARTERS USA

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299
TEL: +1.610.282.3800
FAX: +1.610.282.1243
Toll-Free: 1.888.LUTRON1
Technical Support: 1.800.523.9466
intsales@lutron.com

EUROPEAN HEADQUARTERS United Kingdom

Lutron EA Ltd.
6 Sovereign Close
London, E1W 3JF United Kingdom
TEL: +44.(0)20.7702.0657
FAX: +44.(0)20.7480.6899
FREEPHONE (UK): 0800.282.107
Technical Support: +44.
(0)20.7680.4481
lutronlondon@lutron.com

ASIAN HEADQUARTERS Singapore

Lutron GL Ltd.
15 Hoe Chiang Road
#07-03, Tower 15
Singapore 089316
TEL: +65.6220.4666
FAX: +65.6220.4333
Technical Support: 800.120.4491
lutronsea@lutron.com

North & South America Technical Hotlines

USA, Canada, Caribbean:
1.800.523.9466
Mexico:
+1.888.235.2910
Central/South America:
+1.610.282.6701

Asia Technical Hotlines

Northern China: 10.800.712.1536
Southern China: 10.800.120.1536
Hong Kong: 800.901.849
Indonesia: 001.803.011.3994
Japan: +81.3.5575.8411
Macau: 0800.401
Taiwan: 00.801.137.737
Thailand: 001.800.120.665853
Other Countries: +65.6220.4666

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LUTRON®

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299 U.S.A.
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