



FUNCTION

The Noise Filter - Isolator, model ZNF, is used to reduce or eliminate noise or attenuating/capacitive devices that interfere with the transmission of UPB signals. Switching power supplies and other devices that run at frequencies between 4-40 kHz may interfere with UPB signals. Battery chargers, uninterruptible power supplies, large flat-screen TVs and other devices can have capacitive impedances that reduce or attenuate power line signals; the ZNF isolates and eliminates the capacitive affects.

The ZNF Noise Filter – Isolators are installed between the UPB device or Line and the noise or attenuating source. They block noise above 4 kHz and should be compatible with all power line technologies.

The two models are:

ZNF10A-W 10 Amp, Wire-in
 ZNF10A-P 10 Amp, Plug-in

IMPORTANT SAFETY INSTRUCTIONS

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

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
2. Installation should be performed by a qualified electrician.
3. Keep away from water. If product comes into contact with water or other liquid, unplug immediately.
4. Never use products that have been dropped or damaged.
5. Do not use this product outdoors.
6. Do not use this product for other than its intended use.
7. To avoid risk of fire, burns, personal injury and electric shock, install this product out of reach of small children.
8. Do not cover the product with cloth, paper or any material when in use.
9. The plug-in models use polarized plugs and sockets (one blade is wider than the other) as a feature to reduce the risk of electric shock. These plugs and sockets fit only one way. If they do not fit, contact a qualified technician. Do not use with an extension cord unless plugs can be fully inserted. Do not alter or replace plugs.
10. SAVE THESE INSTRUCTIONS.

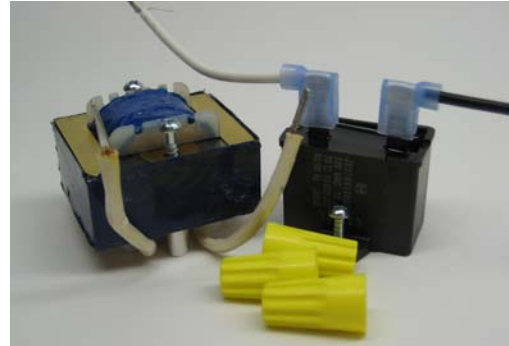
INSTALLATION

Plug-in model:

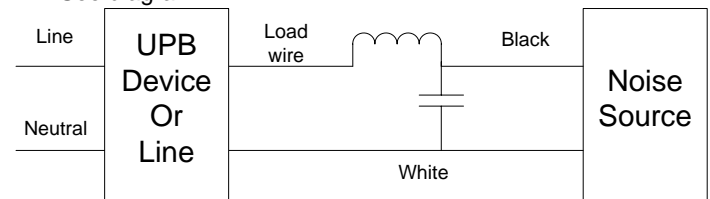
1. Plug the noise producing or attenuating device into the receptacle on the filter.
2. Plug the filter into the wall receptacle.

Wired-in model:

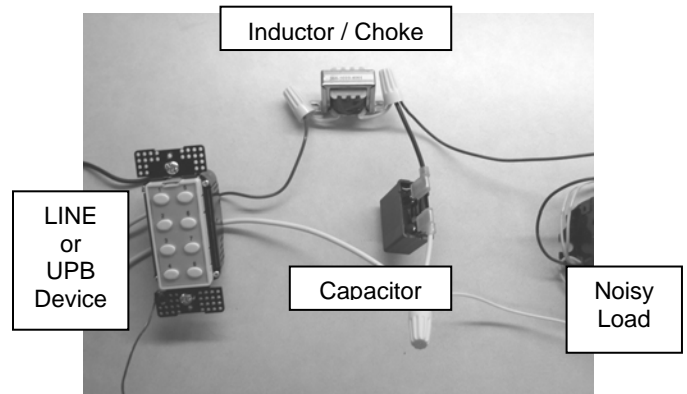
1. Turn off the appropriate circuit breaker.
2. Check to make sure all parts are available: 1 inductor (10A), 1 capacitor (15µF), 3 wire nuts, 3 mounting screws, capacitor connecting wires (1 black, 1 white) and 2 standoffs for mounting the 15A inductor.



3. The filter assembly can be mounted in the lighting housing (ceiling mounted fluorescent fixtures) or in a junction box.
4. See diagram:



5. Using a wire nut connect one end of the inductor to the load wire from the UPB device or Line.
6. Connect the black and white wires to the capacitor.
7. Using a wire nut connect the other end of the inductor to the black wire from the capacitor and the black wire coming from the noise source.
8. Connect all white wires together with a wire nut.
9. Turn on the circuit breaker and test.



US2-40-W with ZNF10A-W