

## INSTALLATION REQUIREMENT

Always use a grounded three-pin AC outlet with the LP-4100/4200 in order to ensure maximum lightning surge protection. Please note that cutting or removing the 3rd pin from a LP-4100/4200 will void its warranty.

## WARNING



Before digging to bury the loop wire or your electronic dog fence, make sure that there are no buried power, telephone, or other electrical cables in the vicinity. Many underground cables carry high voltage and digging into them, or laying your loop wire on them, may lead to hazard from shock or electrocution.

Ask your local electric utility for the 800 phone number for an “Underground Service Alert” company that will tell you where utilities are buried on your property. Additionally you should watch out for your own buried electric wires that could be feeding lights, gates, yard equipment, or outdoor receptacles.

**For indoor use only.** Contact your local code authority for standards and practices for the egress of the transmitter wire to the outside.

Invisible Technologies, Inc.  
1000 Fuller Drive  
Garrett, IN 46738

# Lightning Protector



## LP-4100/4200 Instructions

Lightning strikes near your house create current surges/spikes which can damage unprotected electronic pet containment systems. The LP-4000 Series Lightning Protector from Invisible Technologies, Inc. is designed to protect your containment system from surges/spikes that can reach it via the AC power connection and/or the buried loop wire.

Please follow the installation instructions contained in this manual in order to ensure you have the dual current surge/spike protection this product provides.



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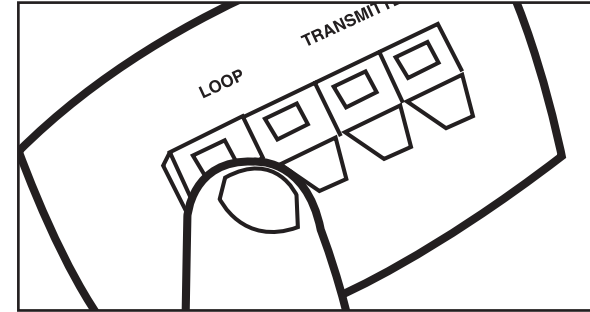
## LP-4100/4200 Instructions

### INSTALLATION INSTRUCTIONS

#### NEW INSTALLATIONS

- 1** Plan the installation as directed by the Operation and Installation Manual except as noted below:
  - a. ICT 700 Systems, install the LP-4100 in place of the LP-3000
  - b. ICT 725 Systems, add the external LP-4100
  - c. ICT 750 Systems, add the external LP-4200
  - d. ICT 700, 725 & 750 Systems, disregard instructions regarding the use of a Transmitter-to-AC outlet grounding wire.
  
- 2** Plug the LP-4100/4200 into a grounded (3-prong) household outlet (120V AC) within five feet (5') (or the length of the AC transformer line) of where you want to position the transmitter.

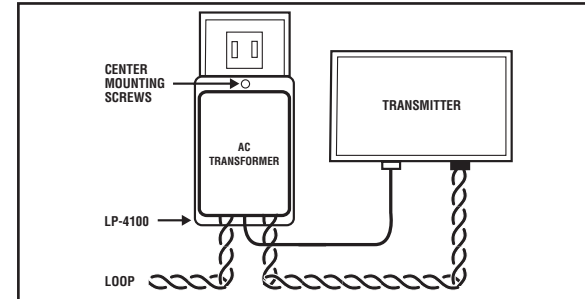
ITI recommends that, if possible, you use the outlet center screw that holds the cover plate in place to secure the LP to the receptacle. (See 2nd figure). The safest way to do this is to temporarily tape the top of the cover plate to the wall with masking tape. Then remove the center screw holding the cover plate in place. Plug the LP into the lower receptacle, and then either replace the original cover screw, or use the longer screw (supplied). Remove the masking tape after replacing the screw. The screw is for mechanical attachment only; it does not ground the protector.
  
- 3** Depending on the model you have (LP-4100 single loop or LP-4200 dual loop), insert the stripped ends of the in-ground loop wire into the left two red connector holes on the bottom of the LP-4100 (side if 4200). Use your finger to depress the tab, then insert the wire and release the tab (see diagram).



Insert the ends of the two transmitter wires into the right two black connector holes on the bottom of the LP-4100 (and side if LP-4200).

- 4** **WARNING:** Verify the loop and transmitter wires are connected to the proper LP-4100/4200 terminals. Damage to the LP-4100/4200 and transmitter can occur if connections are reversed.

Plug the transmitter power AC adapter into an AC outlet on the front of the LP-4100/4200 (see diagram). Turn on the containment system.



If you have added the LP-4100/4200 to an existing containment system, check the signal field for width and continuity. Adjust as necessary. If the LP-4100/4200 is being installed with a new system, follow the signal field adjustment procedures given in the containment system's owner's guide.