

# AES 1640-ENCL Enclosure



**Cover Open**



**Cover Closed**

## Installation Manual

### Table of Contents

1. Product Description: .....	2
2. Safety Considerations: .....	2
3. Technical Specifications: .....	3
4. Installation Instructions:.....	3
5 Warranty / Service Procedures: .....	5

## 1. Product Description:

The 1640-ENCL is an inclosure intended to house and protect the AES 1640 or Amseco XF-1640 Transformer when used in a UL installation. It is designed to be installed over the receptacle replacing a standard wall plate. The enclosure is to be secured to the wall using the 4 mounting holes. Conduit is to be routed between this enclosure and the enclosure of the device it is providing power.

The following diagram is of the key components in a 7170 installation including the typical use of the 1640-ENCL Enclosure.

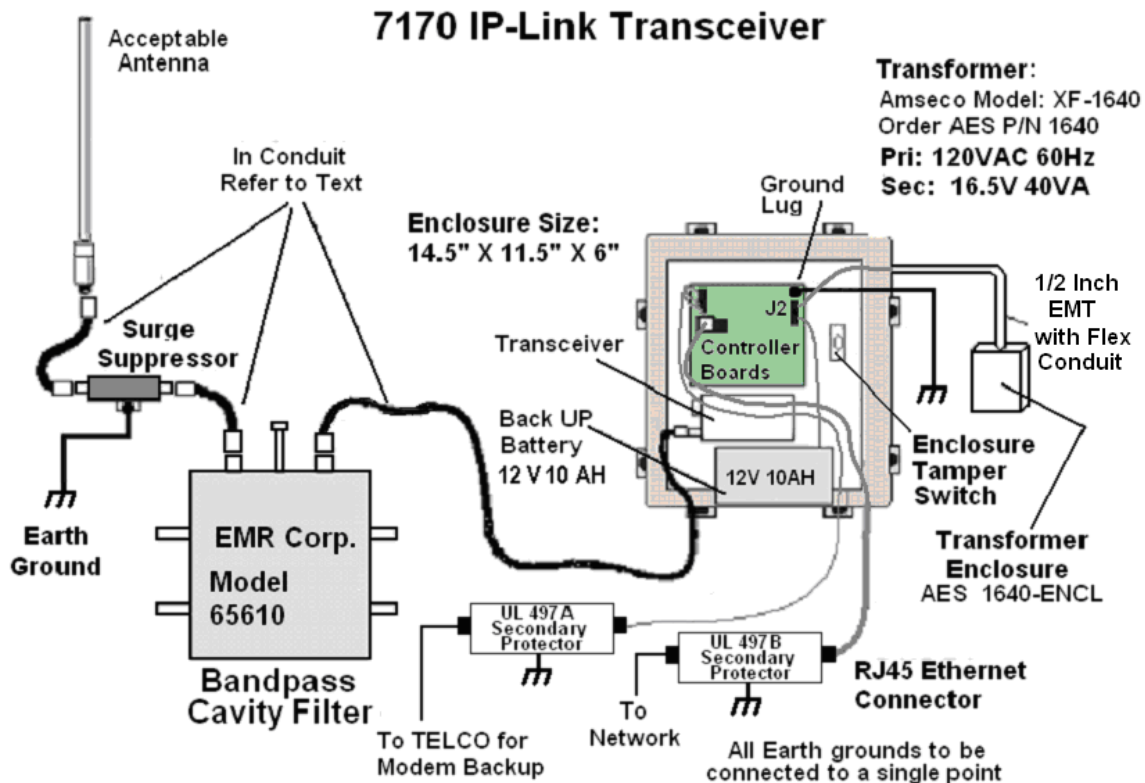


Figure A. Typical Installation of a 1640-ENCL

## 2. Safety Considerations:

The following items are safety related precautions that you should take into consideration when installing your AES IntelliNet system. They are for your safety as well as others and the safety of your equipment.

- For US installations, all equipment and wiring must be installed in accordance with National Electric Code, applicable UL Standards and local building codes.
- For Canadian installations, all equipment and wiring must be installed in accordance with Canadian Electric Code, applicable ULC Standards and local building codes.
- Be certain to properly ground the Enclosure per applicable N.E.C or C.E.C. Grounding of equipment is for your safety and the safety of your equipment and should not be neglected. The screws used to secure the receptacle are used for grounding. Use the instructions below to ensure the enclosure is properly grounded.

### 3. Technical Specifications:

Listed below are the technical specifications for the 1640-ENCL Enclosure.

- Painted 16 Ga. steel enclosure
- Weight Approx. 2 Pounds

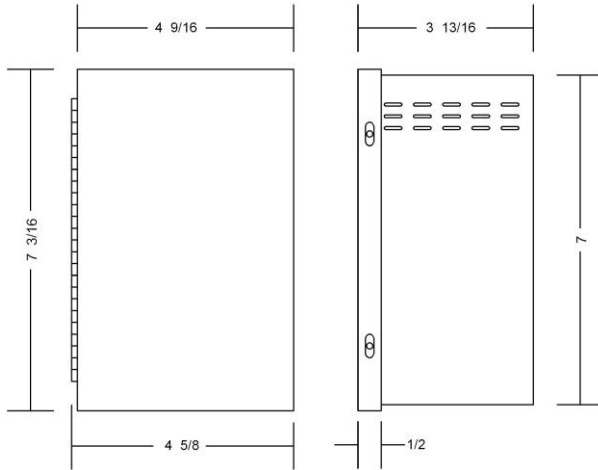
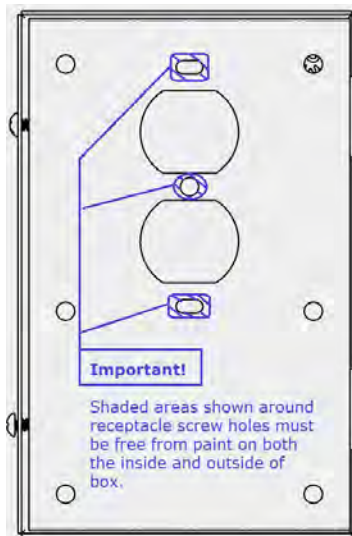


Figure B –  
Enclosure Dimensions

### 4. Installation Instructions:

1. Use a branch circuit that is dedicated for alarm use and not a switched receptacle.
2. Turn off power to the receptacle at the service disconnect (breaker).
3. Remove any existing wall plate.
4. Place the AES 1640-ENCL over the receptacle and mark the four corner mounting holes.
5. Affix appropriate wall mounting hardware (i.e.: molleys etc) if needed.
6. Remove duplex receptacle mounting screws.

**Important!** Before mounting the box, check to see paint is not covering box metal in the shaded areas shown in the diagram below.



These areas contact the receptacle frame and mounting screw heads to provide electrical ground for the box. Remove any paint in the shaded areas both inside and on the outside on the rear of the box.

7. Position the 1640-ENCL over the receptacle and re-install the duplex receptacle mounting screws. Do not tighten at this time.
8. Verify proper alignment of receptacle and enclosure with wall mounting holes and secure enclosure to the wall.
9. Tighten receptacle-mounting screws.
10. Connect conduit to the 1640-ENCL using the appropriate knockout. Use Flex Conduit in the installation of the 1640-ENCL to enable easier servicing of the receptacle and produce less strain on the Enclosure.
11. Route wires through the conduit and secure to transformer.
12. Secure transformer to receptacle using the tab/screw.
13. Secure 1640-ENCL cover with screws.
14. Confirm or connect wires to the device that this transformer is powering.
15. Restore power to receptacle.

## **5 Warranty / Service Procedures:**

### **OWNER WARRANTY - AES CORPORATION LIMITED PRODUCT WARRANTY AND TECHNOLOGY LICENSE**

#### **LIMITED PRODUCT WARRANTY:**

AES Corporation ("AES") warrants to the original purchaser that each AES Subscriber Product will be free from defects in material and workmanship for three (3) years from date of purchase and all other products purchased from AES including central station receivers and accessories will be warranted for one (1) year from the date of purchase. At no cost to the original purchaser for parts or labor, AES will repair or replace any AES Product or any, part or parts thereof which are judged defective under the terms of this Warranty.

#### **TECHNOLOGY LICENSE:**

Certain AES Products include software, protocols and other proprietary and confidential technology and trade secrets of AES which are incorporated in or provided with AES Products solely for use in conjunction with and in order to operate AES Products ("Licensed Technology"). AES grants the original purchaser a non-exclusive license to use such Licensed Technology solely in connection with the use and operation of AES Products and for no other purpose or use whatsoever. No title or ownership in or to any such Licensed Technology is conveyed by the sale or delivery of any AES Products; all such rights are retained by AES.

#### **AES SERVICE PROCEDURE**

Contact AES by phone, fax or email to receive a Return Material Authorization (RMA) number.

(July 2024)