

IEDT597EOB¹ Line Supervision Module

Installation Instructions

INTRODUCTION



This document outlines the installation procedure for the IEDT597EOB¹ End-of-Branch Module (EOB). This module allows T-tapping of loudspeaker circuits by individually testing each branch using a compatible IED amplifier system. The system communicates with each EOB module on the loudspeaker circuit and reports any communication failure as a system fault. This fault report will indicate which branch of the loudspeaker circuit has failed.



1. Patent Pending

Figure 1 - IEDT597EOB Wiring

IMPORTANT SAFETY INSTRUCTIONS

<ol style="list-style-type: none"> 1. Read these instructions. 2. Keep these instructions. 3. Heed all warnings. 4. Follow all instructions. 5. Do not use this apparatus near water. 6. Clean only with dry cloth. 7. Install in accordance with the manufacturer's instructions. 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. 9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. 10. Only use attachments/accessories specified by the manufacturer. 11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. 	<p>WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain, moisture, dripping, or splashing.</p> <p>AVERTISSEMENT: Afin de réduire tout risque du feu et d'électrocution, n'exposez pas cet appareil à la pluie, à l'humidité ou à l'éclaboussement.</p> <p>WARNING: Installation and maintenance of IED equipment is to be made by trained/qualified personnel and must conform to all applicable local codes.</p> <p>AVERTISSEMENT: L'installation et l'entretien de l'équipement d'IED doit être faite par un personnel qualifié et doit se conformer à toutes les règles locales en vigueur.</p> <p>SAFETY SYMBOLS</p> <p>Labeling on products and the <i>Installation Instructions & User Manual</i> may use safety related graphical symbols as shown below to note safety requirements.</p> <p> Lightning Bolt: The lightning flash with arrowhead symbol, within an equilateral triangle, WARNING symbol, is intended to alert the user to the presence of un-insulated dangerous voltage within the product's enclosure that may be sufficient in magnitude to constitute a risk of electric shock to persons or domestic animals.</p> <p> Exclamation Point: The exclamation point within an equilateral triangle, CAUTION symbol, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions, or a hazard that can damage equipment.</p> <p>Do not proceed beyond a WARNING or CAUTION notice until you have understood the hazardous condition and have taken appropriate steps.</p>
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HARDWARE REQUIREMENTS

1. IEDT597EOB End-of-Branch module (EOB)
2. Compatible IED amplifier system
3. 2-conductor audio cable
 - Cable connecting to the IEDT597EOB requires IED Part J4126-2
 - Opposite cable end connects to the \pm terminals on the last loudspeaker in a branch

INSTALLATION PROCEDURE

Each IEDT597EOB module is connected in parallel to the last loudspeaker in each branch. Figure 2 illustrates an installation with five (5) End-of-Branch modules used on a single loudspeaker circuit.

1. Locate the last loudspeaker in a branch.
2. Connect cable from the \pm terminals of the loudspeaker to the supplied connector and insert into the EOB module connection header as shown in Figure 1.

NOTE: Connection to the IEDT597EOB is not polarity sensitive.

3. The EOB module contains a magnet attached to the bottom of the unit to provide a convenient mounting solution. Use this magnet to attach the unit to structural components located near the loudspeaker.

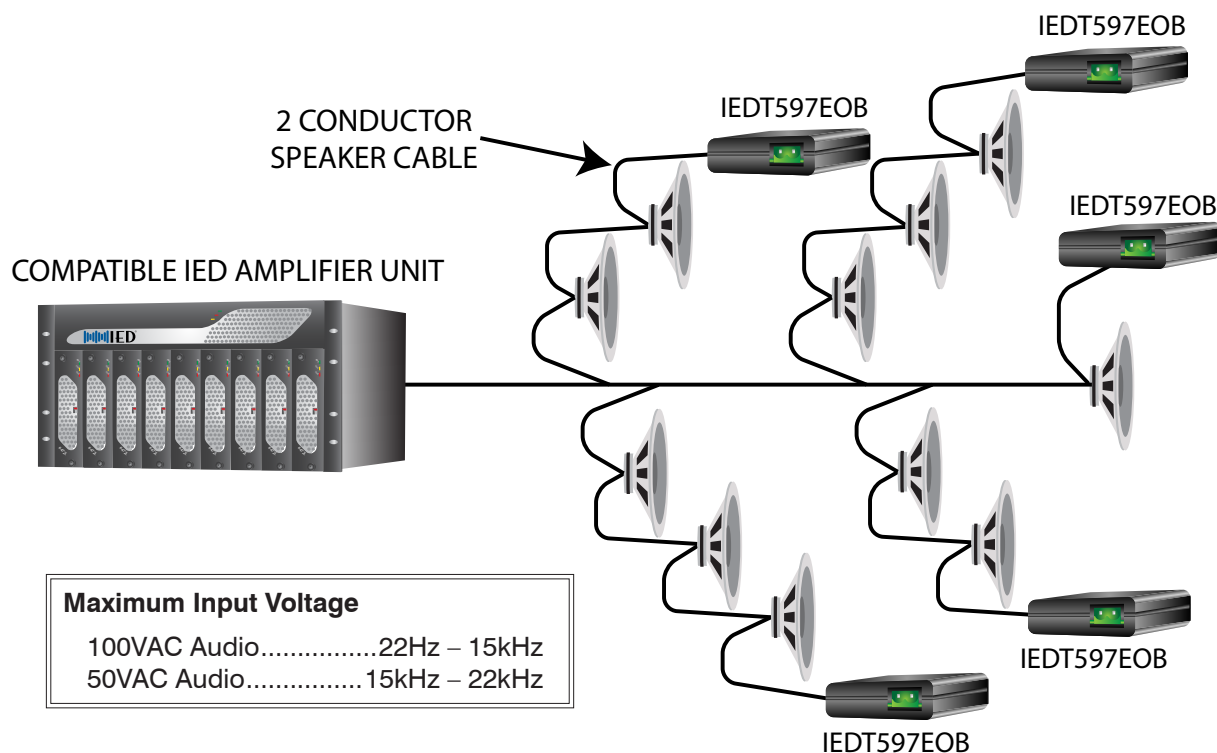


Figure 2 - Example IEDT597EOB Installation