

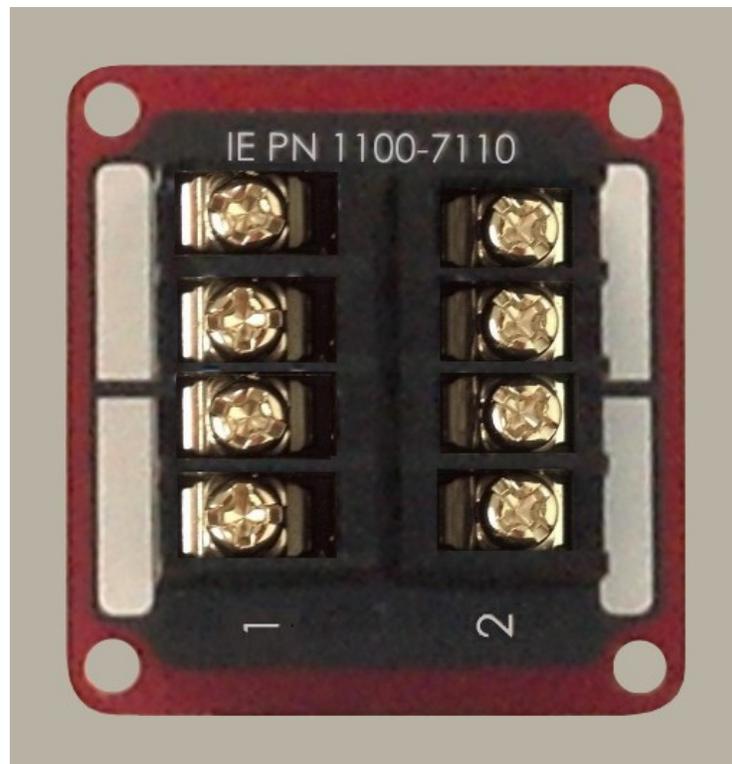


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1100-7110

IE Expansion Module With Dual Barrier Strips Installation Manual



IMPORTANT NOTICE

This document contains information intended to aid in the proper installation, operation, and maintenance of the product described. Although this document includes a great deal of information that will prove useful to the properly trained/qualified user, it is not possible to cover every possible situation, product variation, installation contingency or other detail.

It is imperative that proper engineering and techniques are adhered to in the installation, operation, and maintenance of this product. It is the responsibility of the user to ensure that any system utilizing this product is safe, and that all personnel involved with the design, installation, maintenance, and use of this product are properly qualified and trained. This product must not be used in situations where its electrical ratings are exceeded.

If additional information is needed, please contact Intermountain Electronics, Inc.

While every effort has been made to make sure the information in this document is accurate, IE cannot guarantee that there are no errors. Users of this product should verify any aspects of the product that are critical to their application, and in particular, to any aspects that may affect the safety of the overall system or installation.

Product design and specifications may change without notice.

General Information

The 1100-7110 Expansion Module is a plug-in accessory that enhances the interconnectivity options for compatible Intermountain Electronics products. When installed in a product, the module provides two 2-pin barrier strips that provide additional connections that would normally not be available. The use of these connections varies from product to product.

The 1100-7110 Expansion Module is installed into a compatible IE product by making necessary electrical connections between the module and the product and then by mounting the module into the accessory port with four screws.

Product-specific instructions for installation and use of the module are included on the following pages. Refer to this information when installing the module to determine what electrical connections need to be made, and what signals are available on the barrier strip connectors. Note: Installation is available at the IE factory. Please contact IE for information.

Specifications

Barrier Strips:

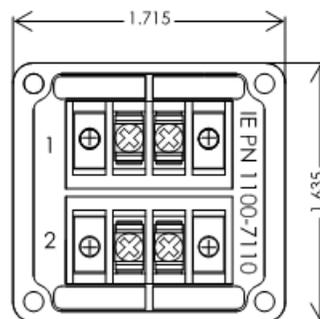
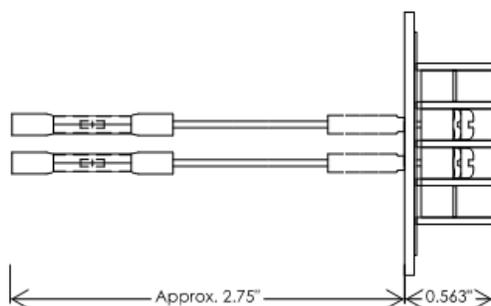
Max Voltage: 240V NOM (May be less depending on product module is installed into)
Max Current: 5A RMS (May be less depending on product module is installed into)

Mechanical:

Weight: 2 OZ

Signal Assignments: Varies, depending on product module is installed into. See following section for details.

Mechanical Dimensions



Product-Specific Information

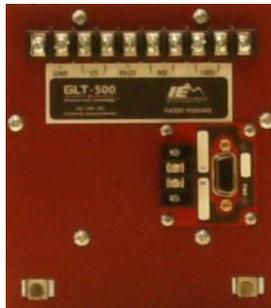
The following section includes information necessary for installing and using the 1100-7110 module with various compatible products. These are arranged in alpha-numerical order by model name/number.

Installation of this module should only be attempted by qualified personnel. The user must ensure that the module and product are installed and used in a proper and safe manner. Intermountain Electronics strongly recommends that installations be performed in our facility. Please contact Intermountain Electronics with any questions.

GLT-500 / GLT-500-1 Ground Monitors

Installation:

1. Remove the access port cover on the GLT-500 / GLT-500-1. For the GLT-500, also remove the top cover by removing 3 screws on each side of the unit, the top 4 screws on the rear panel, and the top 6 hex-cap screws on the front panel.
2. The wires on the back of barrier strip 1 will be connected to the NC relay contacts, and the wires on the back of barrier strip 2 will be connected to the circuit breaker AUX contacts (GLT-500 only, the GLT-500-1 does not have a circuit breaker):
 - Crimp 3.25" wires (white & black) with .110 quick-connects to the barrier strip 1 wires.
 - Connect the .110 quick-connects to the .110 quick-connect spades on the main PCB of the GLT-500 / GLT-500-1 (near the relay, labeled P7 and P8).
 - Crimp 8" wires (white & black) with right-angle .187 quick connects to the barrier strip 2 wires.
 - Connect the right-angle quick-connects to the quick-connect spades on the circuit breaker. One goes to the common spade, and one goes to either NC or NO, whichever is desired. Note: For the GLT-500, it is necessary to loosen the bottom two hex-cap screws on the front panel to allow the panel to bend outwards, making room to attach the quick-connects.
3. Carefully route the wires and secure them with wire ties. This is a tight fit in the GLT-500, and care must be taken in orienting the wires.
4. Attach the module in place using four 4-40 SEMS screws, and, using a sharp point permanent marker, write the function of each terminal (NC 1, NC2, AUX1, AUX 2) on the white sections of the label on the front of the module.



Installation Example

(1100-7100 shown—mounts in the same manner as 1100-7110))