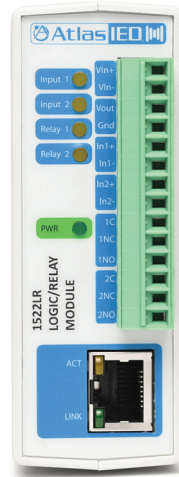


IED1522LR Logic / Relay Module

Quick Start Guide



Please note that this guide applies to Rev2 of the device, easily distinguished by the AtlasIED logo on the front, rather than the previous version that displayed the IED logo in the same area.

Welcome

Thank you for choosing AtlasIED and the IED1522LR Logic / Relay Module. The IED1522LR Logic / Relay Module is a cost effective interface module that operates as an integral part of an AtlasIED GLOBALCOM® system.

It is a web-enabled, programmable relay device for a wide variety of remote control and automation applications. It has two electro-mechanical relays and two optically-isolated inputs. The relays can be controlled remotely using actions configured in the GLOBALCOM® GCK Application (Version 14.6 or later). The optically-isolated inputs can be used to trigger actions or as logic monitor points that will register faults in the system.

The module receives its power over IEEE 802.3af PoE and communicates with other system devices over the Ethernet network.

Basic Setup Procedure

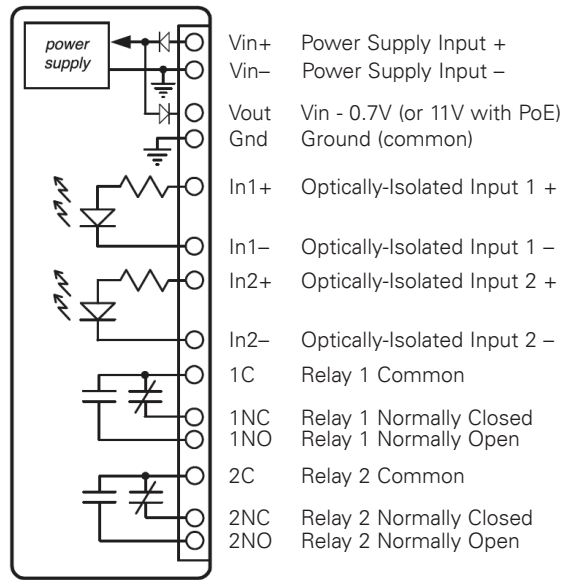
Consult the table below to begin the basic setup procedure for the relay module:

Out of Box Default Settings	
IP Address	10.2.150.175
Subnet Mask	255.0.0.0
Control Web Address	http://10.2.150.175
Setup Web Address	http://10.2.150.175/setup.html
Setup Username	admin
Setup Password	iednet (all lowercase)
Control Password	No password set

In order to prepare the IED1522LR for a GLOBALCOM installation, follow the steps below to set a static IP address:

1. Connect unit to power and network.
2. Set up a computer on the same network as the input module. To do this, set the IP address of the computer to **10.2.150.x** (where "x" can be any unused address between 1 and 174) with a netmask of **255.0.0.0**.
3. Configure the IED1522LR using a web browser. To do this, enter **http://10.2.150.175/setup.html**. The login username is **admin** and the password is **iednet** (all lowercase).
4. Set the permanent IP address, subnet mask, and (optionally) the gateway address in the setup page under the Network tab.
5. Submit the changes via the **Submit** button on the web page.
6. Reset the IED1522LR via either the **Reset** button on the web page or by removing and re-applying power to the unit.
7. Next, set the computer back to its original or desired network settings for the installation and verify that the IED1522LR can be accessed at its new (permanent) IP address.
8. Proceed to connect logic inputs and relay outputs as needed for the application.

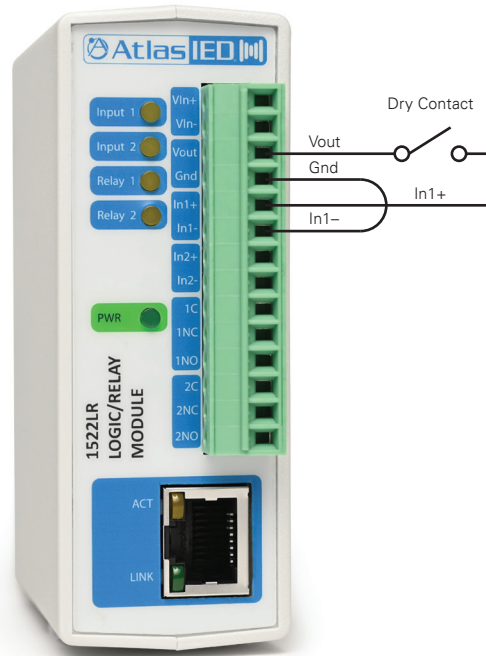
See the next page for the IED1522LR Pinout Diagram.



IED1522LR Pinout Diagram

Making Logic Connections

The logic inputs on the IED1522LR are opto-isolated, which means they require a voltage differential to activate, not a simple open/closed condition. If connecting to dry contacts, a "wetting voltage" will have to be applied. The IED1522LR has a built-in power supply and connections to supply just such a voltage. The proper way to connect a dry contact is to connect the power supply ground to the minus logic input and then connect the power supply voltage output to the plus logic input via the contact. This wiring arrangement is shown in the diagram below.



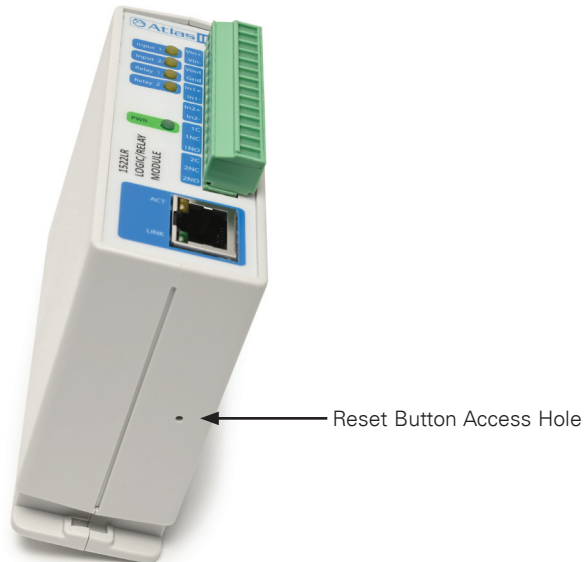
Lost IP Address

Initially, the IED1522LR is assigned the default IP address of 10.2.150.175. If the IP has been set to something else and one does not know the IP address of a IED1522LR, use the reset button default settings as described below.

Reset Button

Note: Pressing the Reset Button changes the default settings to those listed in the table below, rather than the Out of Box Default Settings shown on the first page.

Reset Button Default Settings	
IP Address	192.168.1.2
Subnet Mask	255.255.255.0
Control Web Address	http://192.168.1.2
Setup Web Address	http://192.168.1.2/setup.htm
Setup Username	admin
Setup Password	password
Control Password	No password set



In the event that the IP address or passwords are forgotten, the IED1522LR may be restored to its reset button settings shown above. To do this, first remove the power from the unit. Next, carefully insert a thin object (such as a toothpick) through the small hole in the bottom of the unit to press the small button that is located inside the unit (see image above). When the object is inserted, a tactile feel can be detected as the button is depressed. While holding the button down, apply power and wait for about 10 seconds. After about 10 seconds, release the button. Now all settings will be as shown in the table above.

CAUTION – Do NOT use metal objects for this function.

After the unit has been reset, you must configure the network settings and password by using the table above for the unit to work with GLOBALCOM. The setup password, “password” must be changed to “iednet”.