



# AcraDyne LIT-MAN177 Gen IV Controller Ethernet IP Instructions

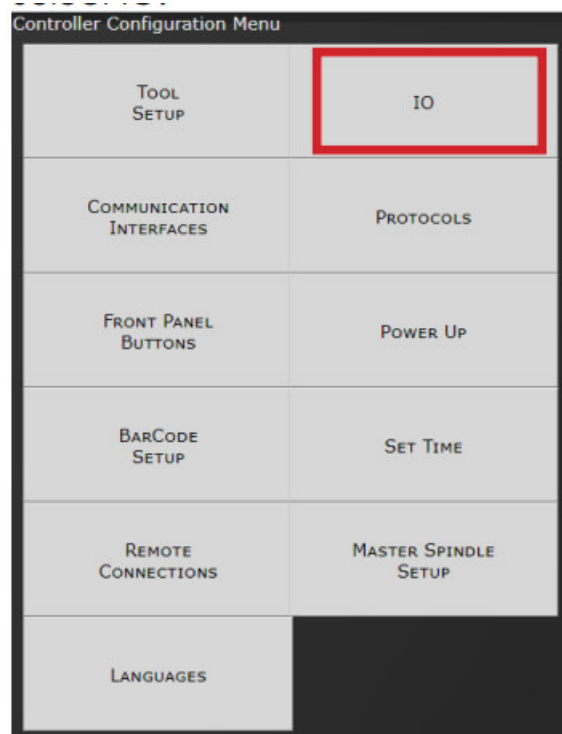
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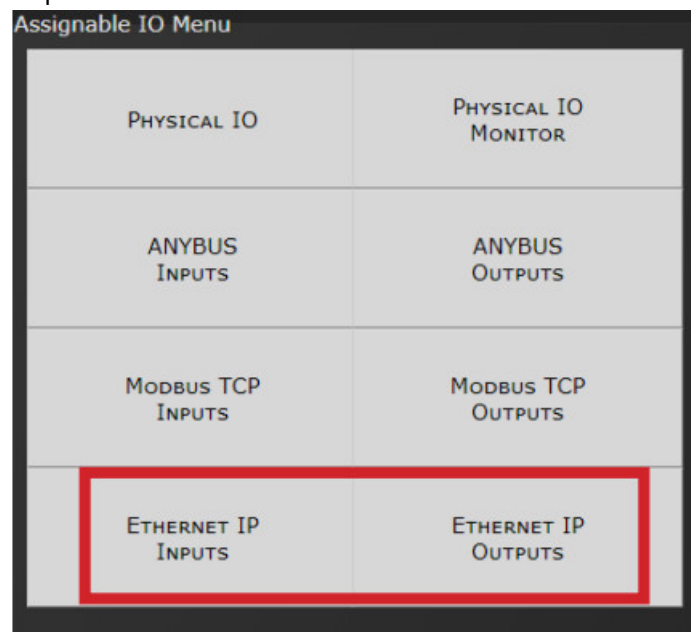
From the main menu, select Controller.



Select IO.



Following are the Ethernet IP options

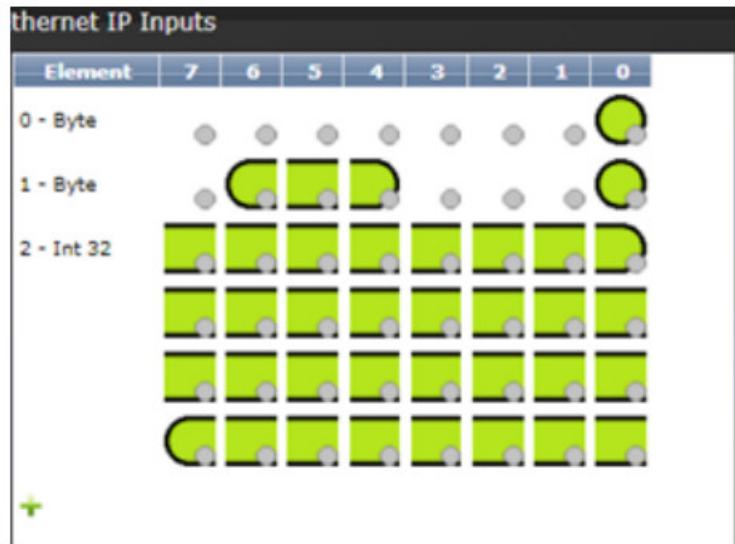


**NOTE:** It is recommended that the request packed interval is configured for 100 ms.

### Controller Inputs Addressing

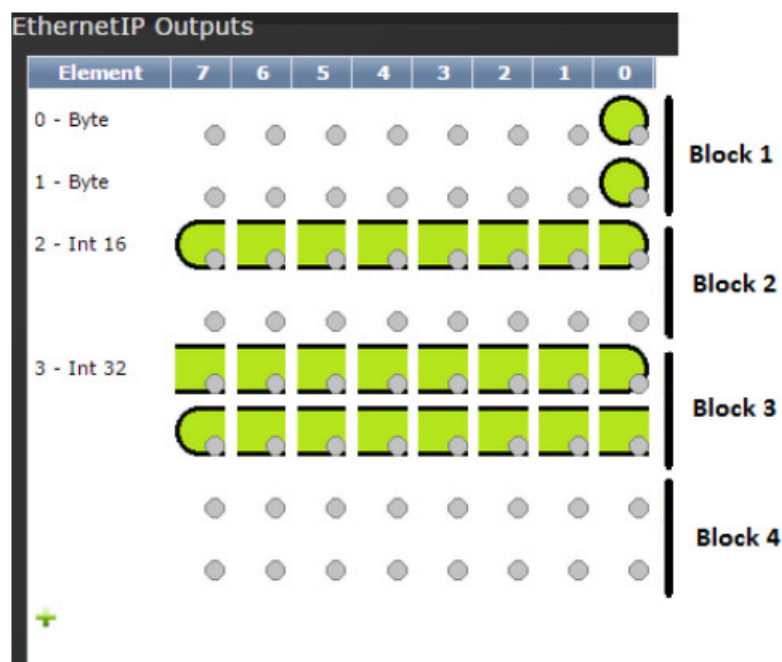
The controller's assignable inputs are mapped to the client's EtherNet/IP outputs. The EtherNet/IP outputs start at assembly instance 112 and use block sizes that can be located for 8, 16, or 32 bits. These values must match the assignments made on the controller. For most applications, it is helpful to create assignments with a size of INT16. This example is configured for a block size of 4 with a 16-bit data type.

Controller Outputs Addressing



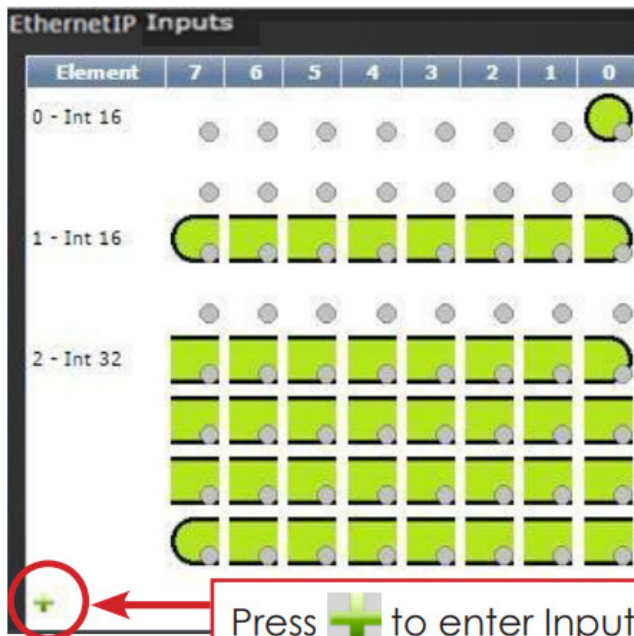
### Controller Outputs Addressing


The controller's assignable outputs are mapped to the client's Ethernet/IP inputs. The Ethernet/IP inputs start at assembly instance 100 and use block sizes that can be llocated for 8, 16, or 32 bits. These values must match the assignments made on the controller. For most applications, it is helpful to create assignments with a size of INT16. his example is configured for a block size of 4 with a 16-bit data type.

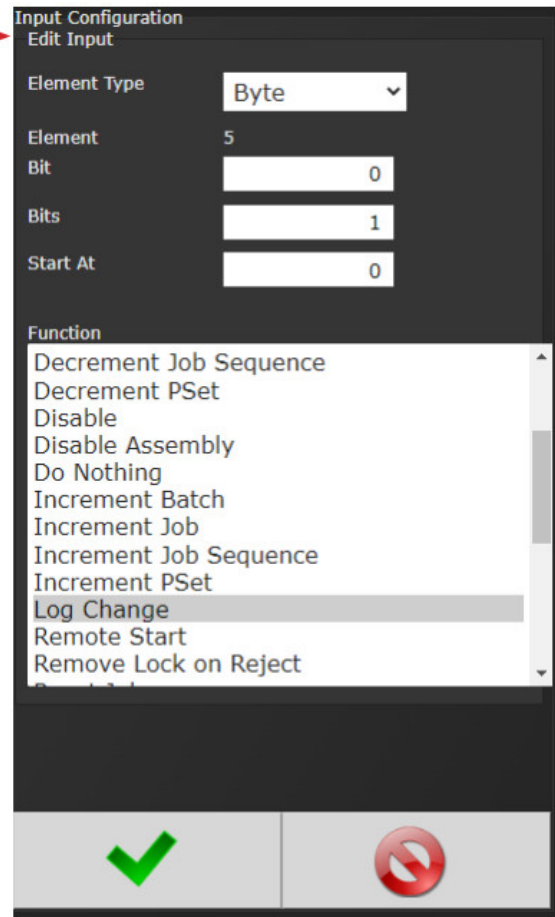


### Ethernet IP Inputs

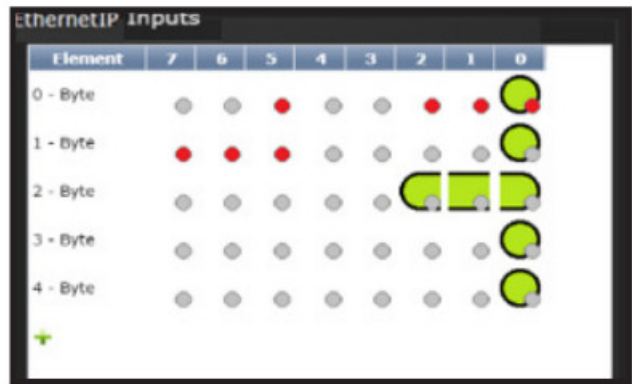
These types of communication are useful for data communication between controller and PLCs. It is an effective, quick way for the data transfer of short data packages.





Press  to enter Input Configuration Screen



Example of the Ethernet IP Input screen with five Inputs set up.



Click on  to change an individual Element or return to Input Configuration screen.

 Will delete individual Elements.

**Element Type:** Choose from Byte, Int16, Int32, or ASCII.

**Element:** Shows element # being configured

**Bit** (not shown): Enter Bit #.

**Bits:** # of bits the assignment will read.

**Start at:** Starting bit location.

Polarity (not shown): Select Normally Open (N.O.) or Normally Closed Outputs (N.C.).

**Length** (not shown, available in ASCII ID function): Number of characters desired to send.

**Torque** (not shown, available in Click Wrench function): Torque value to be reported when using Click Wrench input. Value input is what will be sent from the controller

when Input Signal is received

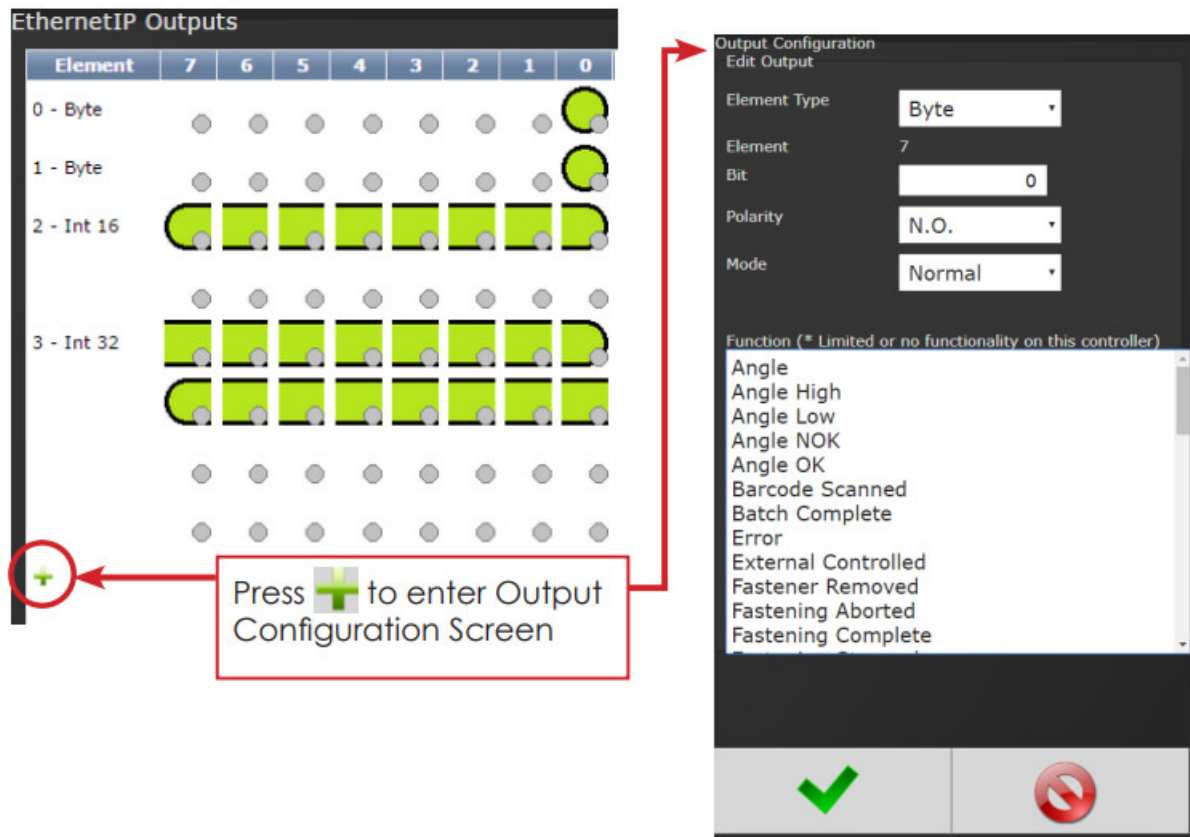
from a Click Wrench. **Value is NOT calculated by the controller rather it is solely what the Click Wrench is calibrated to by outside means.**

**Torque Units** (not shown, available with Click Wrench function): Choose from Nm, Kgm, Kgcm, Ftlb, and Inlb.

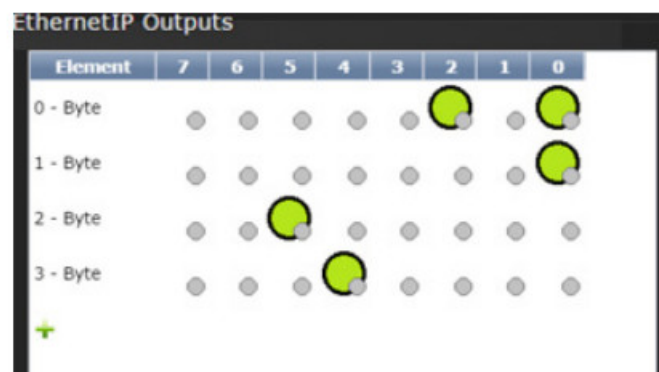
**Function:** See the Gen IV Controller User Manual for more details. Select desired Input Function(s).


Click on  it after appropriate selections are made.

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**Element:** Shows element # being configured

**Bit:** Enter Bit #.

**Bits** (not shown): # of bits the assignment will read.

**Start at:** Starting bit location.

**Polarity:** Select Normally Open or Normally Closed Outputs.

**Mode:**

- Normal: Output signal sent.
- Timed Signal Sent: Time entered in seconds
- Flash Signal Sent: Time entered in seconds

**Function:** See the Gen IV Controller User Manual for more details on assignable functions.

Click on  it after appropriate selections are made.



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