BENSHAW ETHERNET/IP for use with the CSXI Soft Starter
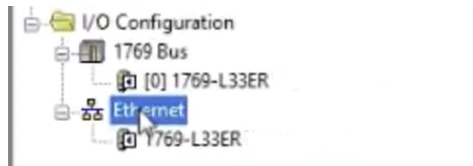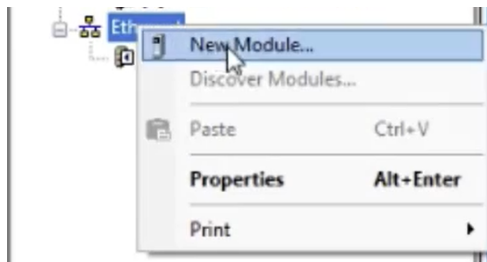
How to configure the Benshaw Ethernet Adapter for EthernetIP Part number: PIM-E1-02, and setting up a Generic Ethernet Device in Rockwell-Automation Studio5000 programming software (H2, H2P and GM2 Series):

1. Reference the "Instructional Manual" supplied with the ethernet communication adapter and ensure that the adapter is properly installed per the instructions. You can also find this manual at https://benshaw.com/motor-control-solutions/resources/documents/ under the "Manuals" tab.

2. Use a Cat 5 or better cable to connect the Benshaw Ethernet Adapter to the control network.

3. Open Rockwell Automation Studio 5000 software, then open the appropriate program file.
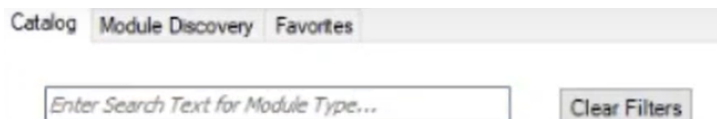   a. In the programming tree, under the I/O Configuration (Folder)

      i. Right Click "Ethernet"

      ii. Then select "New Module"

      iii. Search "Generic" in the search window:

iv.   Select "Ethernet-Module: Generic Ethernet Module"

ETHERNET-BRIDGE	Generic EtherNet/IP CIP Bridge	Allen-Bradley	Communication
ETHERNET-MODULE	Generic Ethernet Module	Allen-Bradley	Communication
Stratix 8000	6 Port Managed Switch	Allen-Bradley	Communication

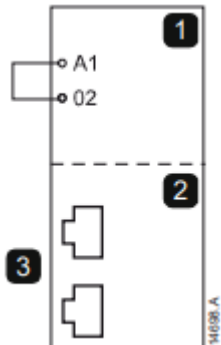v.   The "New Module" window will appear – enter the following information:
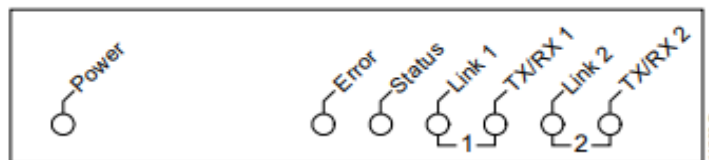

1.   "Name" – Name this Device.

2.   "Comm Format" = SINT

3.   Insert the desired IP Address – The default address for this module is 192.168.0.2

4.   Assembly Instance – Only acceptable addresses are as follows:
     Input Assembly Instance: = 101 with a size of 12
     Output Assembly Instance: = 100 with a size of 4
     Comm format data = SINT

5.   Set the Configuration to "1" under Assembly Instance and "1" under Size.

The following link must be installed – Jumper between A1 & 02

Feedback LEDs

LED name	LED state	Description
Power	Off	Device is not powered up.
	On	Device is receiving power.
Error	Off	Device is not powered up or has received an IP address.
	Flashing	Connection timeout.
	On	Duplicate IP address.
Status	Off	Device is not powered up or has received an IP address.
	Flashing	Device has obtained an IP address but has not established any network connections.
	On	Communication has been established.
Link x	Off	No network connection.
	On	Connected to a network.
TX/RX x	Flashing	Transmitting or receiving data.