# Rslogix 5000 Errorcodeswhenusingethernetipandabbdrives

Engenharia de Software (Faculdade Pitágoras)
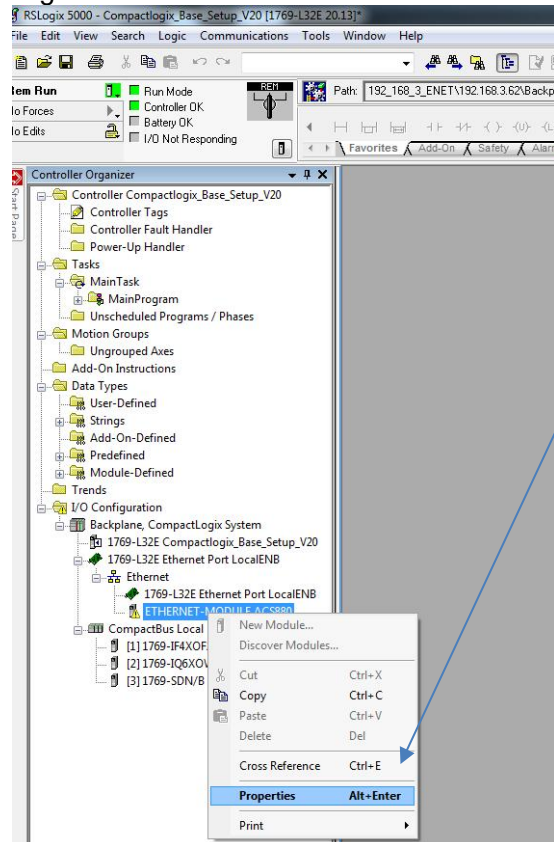
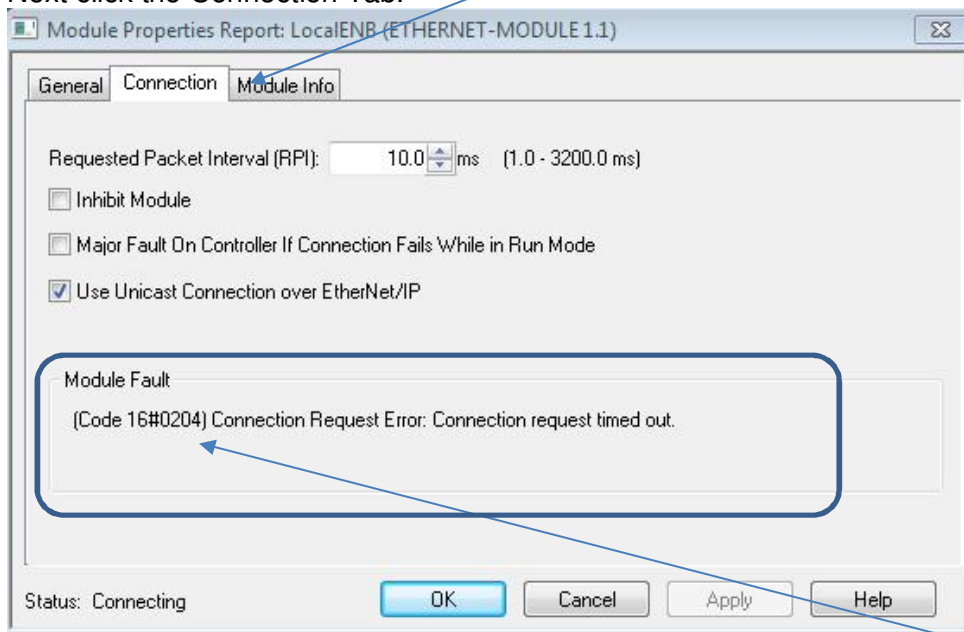# RSLOGIX 5000 ERROR CODES WHEN USING ETHERNET IP AND ABB DRIVES

## Description:

The RSLogix 5000 Error Codes or Module Fault # can be found under the connection Tab within the RSlogix 5000 software.

Right click on the Generic Ethernet Module and select Properties.



| Author: Jeff Fell – Application Eng. | | Date: Nov 17, 2016 |
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Next click the Connection Tab.



The Error Codes or Module Fault # can be found in the following location.

**Error Code 16#0204** = Connection Request Error: Connection request timed out.

**Reason:** The PLC can't locate the Drive at the given IP Address.

**Things to check:**

- ☐ Check to make sure DHCP is disabled if a Static IP Address is being programmed in the drive.
- ☐ Check the programming of the IP address of the Drive and Subnet. Check the programming of the IP Address in the PLC for the drive.
- ☐ Try to ping the drives IP address via a PC connected to the same network.
- ☐ Locate and correct the IP address problem.
- ☐ Check network wiring.

**Error Code 16#012a** = Connection Request Error: Invalid output application path.

**Reason:** There is a mismatch in the selected profile between the PLC and Drive.

**Things to check:**

- ☐ Check the Profile setting in the drive (FENA-xx parameter 51.02 or RETA-01 51.16) for the selected Assembly Instances that where chosen in the PLC.
- ☐ There is a mismatch in the selected profile (example the drive is programmed for ODVA Profile and the PLC is programmed for ABB Profile).

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**Error Code 16#0127** = Connection Request Error: Invalid output size.

**Reason:** The connection words size is too large to fit in the programmed word array size in the PLC.

**Things to check:**

- ☐ Check the programmed connection size in the PLC and the drive (example the drive is sending 13 words and the PLC is programmed to 10 words).
- ☐ Also check to make sure the Comm Format is programmed to Data – INT in the PLC.


**Error Code 16#0005** = Connection Request Error: Bad Class.

**Reason:** There is a mismatch in the selected profile between the PLC and Drive.

**Things to check:**

- ☐ Check the Profile setting in the drive (FENA-xx parameter 51.02 or RETA-01 51.16) for the selected Assembly Instances that were chosen in the PLC.
- ☐ There is a mismatch in the selected profile (example the drive is programmed for ODVA Profile and the PLC is programmed for ABB Profile).
- ☐ Also check the programmed connection size in the PLC and the drive (example the drive is sending 2 words and the PLC is programmed to 6 words).
- ☐ Also check to make sure the Comm Format is programmed to Data – INT in the PLC.


**Error Code 16#0109** = Connection Request Error: Invalid connection size (Invalid Input size).

**Reason:** The connection words size for the Input is too large to fit in the programmed word array size in the PLC.

**Things to check:**

- ☐ Check the programmed connection size in the PLC and the drive (example the drive is sending 2 words and the PLC is programmed to 4 words).
- ☐ Also check to make sure the Comm Format is programmed to Data – INT in the PLC.


**Error Code 16#0111** = Requested Packet Interval (RPI) out of range.

**Reason:** The programmed RPI rate is lower then allowed by the Fieldbus option.

**Things to check:**

- ☐ Increase the RPI rate in RSLogix 5000, this can be found under the Connection Tab.

**Documents or other reference material:**

FENA-01/-11/-21 Ethernet adapter module user's manual        3AUA0000093568

Basic Guide to Communications ODVA        LVD-PNTG03U-EN
(ControlNet, DeviceNet and EtherNet/IP), US

RETA-01 Ethernet Adapter Module User's Manual        3AFE64539736

**Corrective Actions:**

Follow the instructions above.

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