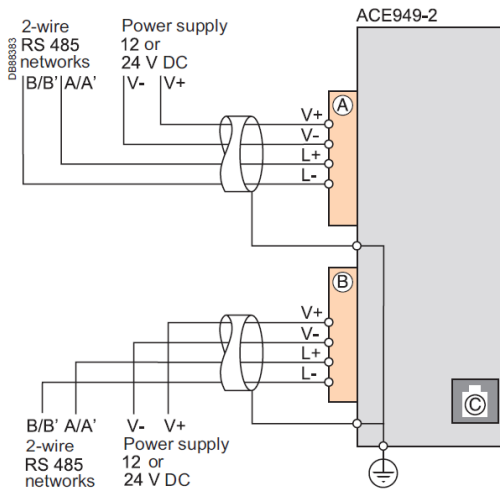


How to connect EGX150 to Sepam range via ACE949-2

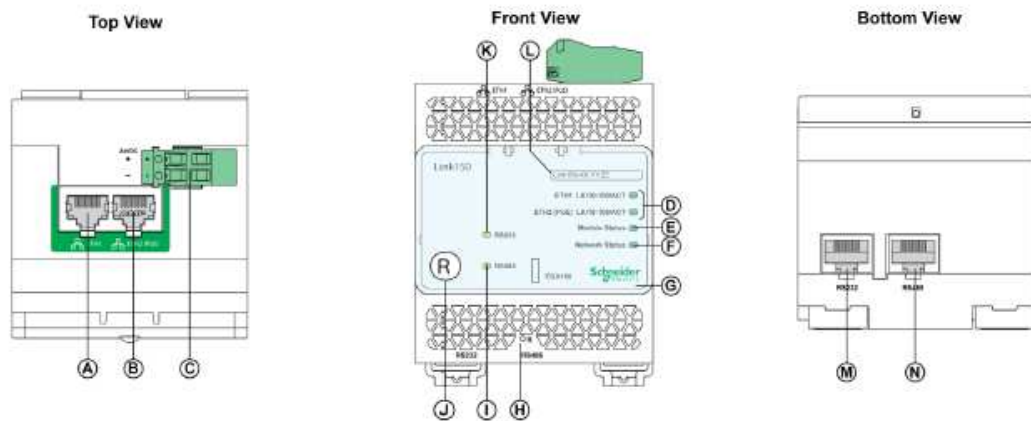
1 Purpose of the document

The purpose of this document is to explain how to connect the EGX150 to the Sepam by an ACE949-2 (Network interface). It is applicable to Sepam series 20- 40- 60- 80.

2 ACE949-2 pin out

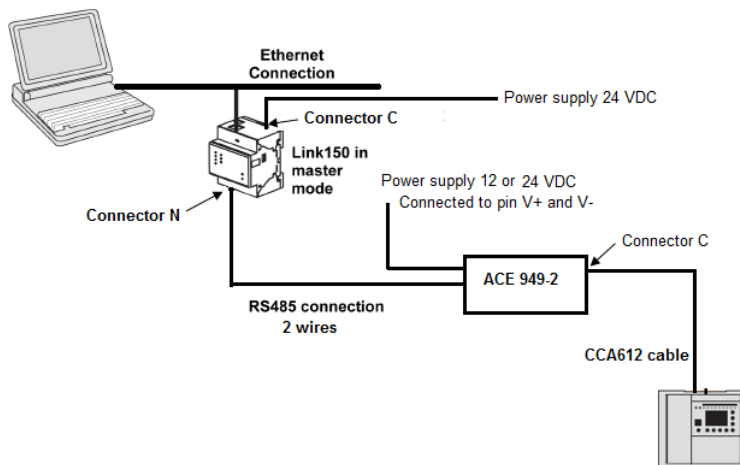


3 EGX150 pin out



- A: ETH1: Ethernet 1 communication port
- B: ETH2: Ethernet 2 (Power over Ethernet) communication port
- C: 24 Vdc power supply terminal block
- D: Ethernet communication LEDs
- E: Module status LED
- F: Network status LED
- G: Sealable transparent cover
- H: IP reset pin
- I: RS485 traffic status LED
- J: Device soft restart button (Accessible through closed cover)
- K: RS232 traffic status LED
- L: Device name label
- M: RS232 port
- N: RS485 port

4 General wiring



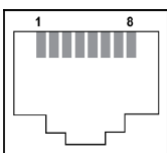
5 Wiring ACE949-2 to EGX150

| ACE949-2 | EGX150 | |
|----------|--------------------|----|
| -L | Connector N pin 4 | D1 |
| +L | Connector N pin 5 | D0 |
| Shield | Connector N shield | |

For example you can do the wiring with this kind of connector which split the RJ45 cable. manufacturer CamdenBoss reference CIM/RJ45.



EGX150 RJ45 Connector A pin out



6 EGX150 setting

6.1 IP setting

The screenshot displays the Link150 web interface. The browser address bar shows `http://169.254.0.10/`. The page title is "LINK150-E58B20 - Link150". The navigation menu includes "Monitoring", "Control", "Diagnostics", "Maintenance", and "Configuration & Settings" (highlighted with a red box). The left sidebar contains sections for "Device Location/Name", "Network Configuration" (with "IP Configuration" highlighted in a red box), "Date/Time Configuration", "Device Configuration", and "Other Configuration".

The main content area is titled "IP Configuration" and contains three sections:

- IPv4 Configuration:** Radio buttons for "Obtain an IP address automatically using DHCP" and "Manual" (selected). Fields for "IP address" (169.254.0.10), "Subnet mask" (255.255.255.0), and "Default gateway" (0.0.0.0) are present. A red box highlights these fields with the text "Connection network setting".
- IPv6 Configuration:** A checked checkbox for "Enable IPv6" and a "Link local address" field containing "FE80::280:F4FF:FEE5:8B20".
- DNS:** Radio buttons for "Obtain DNS addresses automatically" and "Manual" (selected). Fields for "Primary server address" and "Secondary server address" are present.

At the bottom of the configuration area are "Apply" and "Cancel" buttons. A red box highlights the "Apply" button with the text "Don't forget at the end of the setting to click on the apply button".

6.2 Serial port setting

The screenshot displays the Link150 web interface for configuring a serial port. The left sidebar contains a navigation menu with the following sections:

- Device Location/Name
 - Device Physical Location
 - Device Name
- Network Configuration
 - Ethernet Configuration (Dual port)
 - IP Configuration
 - Advanced Ethernet Settings
 - MBTCP/IP Filtering
 - Serial Port** (highlighted)
- Date/Time Configuration
 - Date and Time
- Device Configuration
 - Device List
- Other Configuration
 - SNMP Parameters
 - Advanced Services Control

The main configuration area is titled "Serial Port" and contains the following settings:

- Mode(Device reboots on mode change) : Master
- Physical Interface : **RS485 2-wire** (highlighted)
- Transmission Mode : Automatic
- Baud Rate : 9600
- Parity : None
- Stop bits : 1 bit
- Termination : Disabled
- Biasing : Enabled
- Response Timeout : 3

At the bottom of the configuration area are two buttons: "Apply" and "Cancel".

Red callout boxes provide the following instructions:

- "Parameters conform to Sepam settings" points to the Physical Interface field.
- "According the physical position of the EGX150 in the loop. If first or last device of the chain the termination should be Enable" points to the Termination field.
- "Don't forget at the end of the setting to click on the apply button" points to the Apply button.

7 Test

Read the data of the identification zone (register at address 7) to control the good working. You must read 256 decimal or 100 Hexa.

The screenshot shows the Link150 web interface. The browser address bar displays `http://fe80::280:f4ff:fee5:8...`. The page title is "LINK150 - Link150". The navigation menu includes "Monitoring", "Control", "Diagnostics", "Maintenance", and "Configuration & Settings". The "Diagnostics" tab is active. The left sidebar has "Read Device Registers" highlighted under the "Device Health Check" section. The main content area is titled "Read Device Registers" and shows a form for selecting a device and registers. The form includes a "Device Name" dropdown, "Lock ID" (1), "Starting Register" (7), and "Number of Registers" (1). Below the form is a table with columns "Register" and "Value". The first row shows "7" in the Register column and "256" in the Value column. To the right of the table is a "Data Type" dropdown set to "Holding Registers" and radio buttons for "Decimal", "Hexadecimal", "Binary", and "ASCII". A "Read" button is located at the bottom right of the form.

| Register | Value |
|----------|-------|
| 7 | 256 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |