

Quick Start Guide LINKS for BACnet



To Building Automation Systems:
BACnet MS/TP and BACnet/IP



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Connection

Requirements

- Laptop
- CAT5 Ethernet cable


Connect the PC to the LINKS card via the Ethernet Port

1. Connect a CAT5 Ethernet cable (Straight through or Cross-Over) between the local PC and ProtoCarrier. The Default IP Address of the LINKS card is 192.168.1.24, Subnet Mask is 255.255.255.0. If the PC and the LINKS card are on different IP Networks, assign a static IP Address to the PC on the 192.168.1.xxx network.





For Windows XP

Go to  >  Control Panel >  Network Connections

Right-click on Local Area Connection > Properties

Highlight  Internet Protocol (TCP/IP) > 

For Windows 7

Go to  >  Control Panel >  Network and Internet >  Network and Sharing Center > [Change adapter settings](#)

Right-click on Local Area Connection > Properties

Highlight  Internet Protocol Version 4 (TCP/IPv4) > 

2. For Windows XP and Windows 7, use the following IP Address:

<input checked="" type="radio"/> Use the following IP address:	
IP address:	<input type="text" value="192 . 168 . 168 . 11"/>
Subnet mask:	<input type="text" value="255 . 255 . 255 . 0"/>
Default gateway:	<input type="text" value=" . . ."/>

update

3. Click  twice.

Configuration

Connecting to the LINKS Web Configurator

1. After setting a local PC on the same subnet as the LINKS card, open a web browser on the PC and enter the IP Address of the LINKS card. Default: 192.168.1.24.

NOTE: If the IP Address of the LINKS card has been changed by previous configuration, the assigned IP Address must be gathered from the network administrator.

The web configurator page will appear as below.

Configuration Parameters		
Parameter Name	Parameter Description	Value
protocol_select	Protocol Selector Set to 1 for BACnet MSTP Set to 2 for BACnet IP Set to 3 for Metasys N2	1 <input type="button" value="Submit"/>
mod_baud_rate	Modbus RTU Baud Rate This sets the Modbus RTU baud rate. (9600/19200/38400)	9600 <input type="button" value="Submit"/>
mod_parity	Modbus RTU Parity This sets the Modbus RTU parity. (None/Even/Odd)	None <input type="button" value="Submit"/>
mod_data_bits	Modbus RTU Data Bits This sets the Modbus RTU data bits. (7 or 8)	8 <input type="button" value="Submit"/>
mod_stop_bits	Modbus RTU Stop Bits This sets the Modbus RTU stop bits. (1 or 2)	1 <input type="button" value="Submit"/>
network_nr	BACnet Network Number This sets the BACnet network number of the Gateway. (1 - 65535)	50 <input type="button" value="Submit"/>
node_offset	BACnet Node Offset This is used to set the BACnet device instance. The device instance will be sum of the Modbus device address and the node offset. (0 - 4194303)	50000 <input type="button" value="Submit"/>
bac_mac_addr	BACnet MSTP Mac Address This sets the BACnet MSTP MAC address. (1 - 127)	127 <input type="button" value="Submit"/>
bac_baud_rate	BACnet MSTP Baud Rate This sets the BACnet MSTP baud rate. (9600/19200/38400/76800)	38400 <input type="button" value="Submit"/>
bac_max_master	BACnet MSTP Max Master This sets the BACnet MSTP max master. (1 - 127)	127 <input type="button" value="Submit"/>
bac_cov_option	BACnet COV This enables or disables COVs for the BACnet connection. Use COV_Enable to enable, Use COV_Disable to disable. (COV_Enable/COV_Disable)	COV_Disable <input type="button" value="Submit"/>
bac_virt_nodes	BACnet Virtual Server Nodes Set to NO if the unit is only converting 1 device to BACnet. Set to YES if the unit is converting multiple devices. (No/Yes)	No <input type="button" value="Submit"/>

Active profiles

Nr	Node ID	Current profile	Parameters
<input type="button" value="Add"/>			

2.

Adjust the configuration parameters above for the following options:

FOR MSTP

Protocol Selector: 1

Adjust BACnet MSTP settings if required:

network_nr

node_offset

bac_mac_addr

bac_baud_rate


bac_max_master

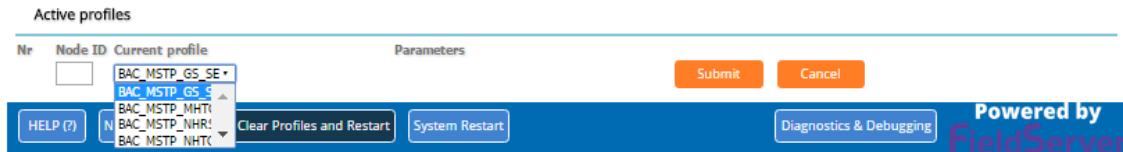
For IP

Protocol selector: 2


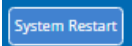
Select **network settings** at the bottom of the page and adjust IP settings

Configuration

3. Select the  button at the bottom of the page
4. Select unit type from drop down list and enter the Modbus node-ID
 - 10 for ProtoCessor (units with Integrated Controller –Nortec EL, RS, GS, ME, DL, NH-EL)
 - 1 for ProtoCarrier (units with Total Controller – GSTC, SETC)



Nr	Node ID	Current profile	Parameters
		BAC_MSTP_GS_SE	
		BAC_MSTP_GS_9	
		BAC_MSTP_MHTI	
		BAC_MSTP_NHR!	
		BAC_MSTP_NHTC	

5. Select  to accept the unit type selection
6. Select  once configuration is completed

For assistance, please contact Condair Technical Service at 1-866-667-8321.

All information contained in this Quick Start Guide is for general information purposes only. For complete Condair installation/operation recommendations for your Condair equipment, please refer to the installation manual for your specific system, accessories, and components.

All electrical connections must be installed in accordance with local and national electrical code requirements by a licensed electrician.

All water supply and drain line connections must be installed in accordance with local plumbing codes by a licensed plumber.

Condair does not accept any liability for installations of humidity equipment installed by unqualified personnel or the use of parts/components/equipment that are not authorized or approved by Condair.

Warranty

Condair Inc. and/or Condair Ltd. (hereinafter collectively referred to as THE COMPANY), warrant for a period of two years after installation or 30 months from manufacturer's ship date, whichever date is earlier, that THE COMPANY's manufactured and assembled products, not otherwise expressly warranted, are free from defects in material and workmanship. No warranty is made against corrosion, deterioration, or suitability of substituted materials used as a result of compliance with government regulations.

THE COMPANY's obligations and liabilities under this warranty are limited to furnishing replacement parts to the customer, F.O.B. THE COMPANY's factory, provided that the defective part(s) is returned freight prepaid by the customer. The replacement parts are warranted for the balance of the term of the warranty on the original humidifier or 90 days, whichever is longer.

The warranties set forth herein are in lieu of all other warranties expressed or implied by law. No liability whatsoever shall be attached to THE COMPANY until said products have been paid for in full and then said liability shall be limited to the original purchase price for the product. Any further warranty must be in writing, signed by an officer of THE COMPANY.

THE COMPANY's limited warranty on accessories, not manufactured by the COMPANY, such as controls, humidistats, pumps, etc., is limited to the warranty of the original equipment manufacturer from date of original shipment of humidifier.

THE COMPANY makes no warranty and assumes no liability unless the equipment is installed in strict accordance with a copy of the catalog and installation manual in effect at the date of purchase, and by a contractor approved by THE COMPANY to install such equipment.

THE COMPANY makes no warranty and assumes no liability whatsoever for consequential damage or damage resulting directly from misapplication, incorrect sizing or lack of proper maintenance of the equipment.

THE COMPANY makes no warranty and assumes no liability whatsoever for damage to the humidifier, supply lines, drain lines, or steam distribution systems caused by freezing.

THE COMPANY reserves the right to change the design, specifications and performance criteria of its products without notice or obligation.



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