



Quick Start Guide BACnet for DA Series



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

Thank you for choosing Condair

Installation date (MM/DD/YYYY):

Commissioning date (MM/DD/YYYY):

Site:

Model:

Serial number:

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Connection

Requirements

- Laptop
- CAT5 Ethernet cable

Connect the PC to the BACnet gateway via the Ethernet Port

1. Connect a CAT5 Ethernet cable (Straight through or Cross-Over) between the local PC and Gateway. The Default IP Address 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

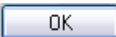
Highlight ☒  Internet Protocol Version 4 (TCP/IPv4) > 

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

☒ Use the following IP address:

IP address:	192 . 168 . 168 . 11
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	. . .

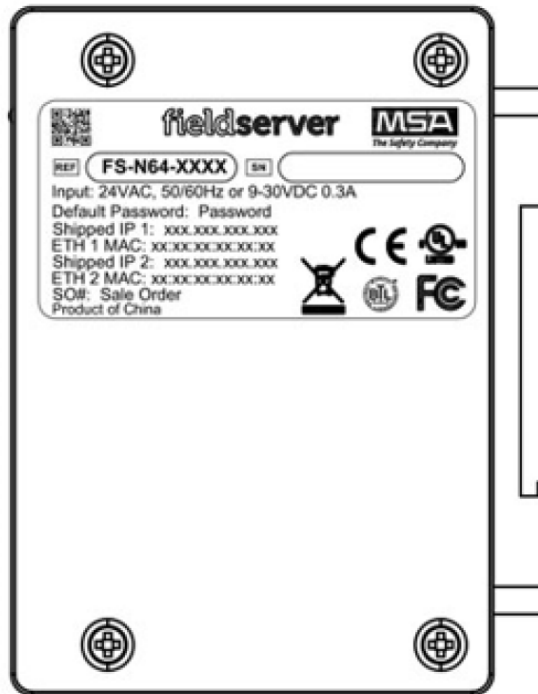
Update

Click  twice.

Configuration

Connecting to the Web Configurator

The username of the processor by default is “admin” and the password is mentioned on the label (Default PW), The default IP address is 192.168.1.24. Scanning the QR code label (on the ethernet port) also reveals the password.

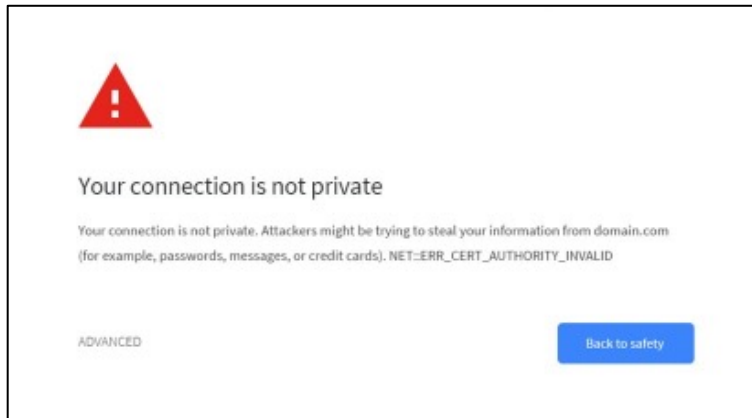


Configuration

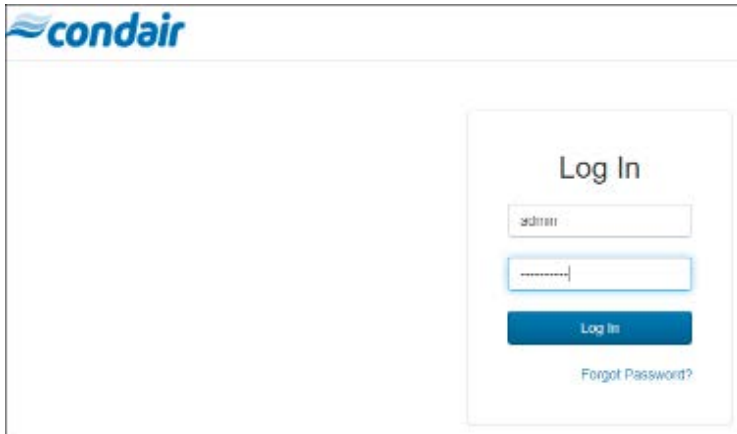
1. After setting a local PC on the same subnet as the LINKS card, open a web browser on the PC and enter the IP Address of the LINKS card. Default: 192.168.1.24.

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.

2. On a web browser (in this example Google Chrome), enter the IP Address. The browser prompts that the connection is not safe. Click on advanced and click proceed to (IP address unsafe).

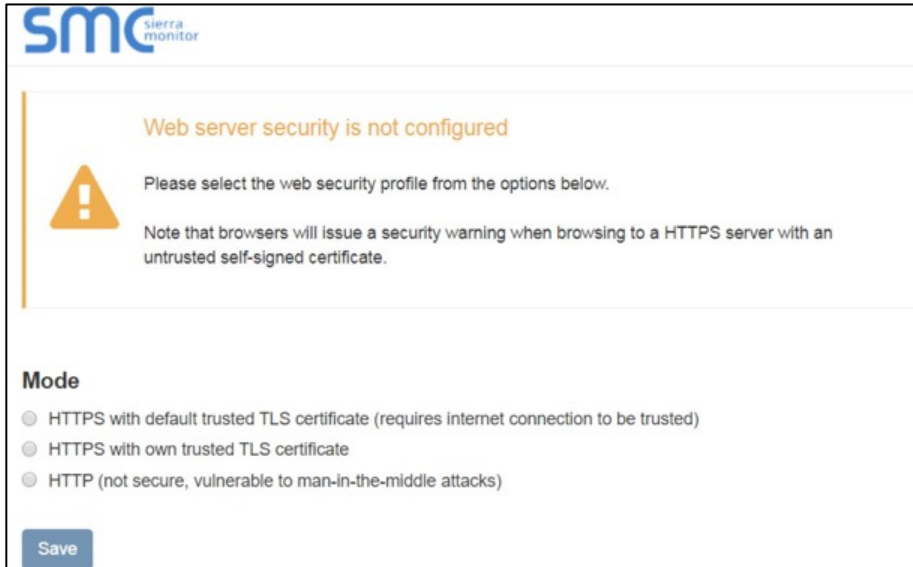


3. Enter username and password as mentioned above. The web configuration page will now appear as below with a secure login portal.



Configuration

4. Select the type of web server security. Select “HTTPS with default trusted TLS certificate”.



smc sierra monitor

Web server security is not configured

Please select the web security profile from the options below.

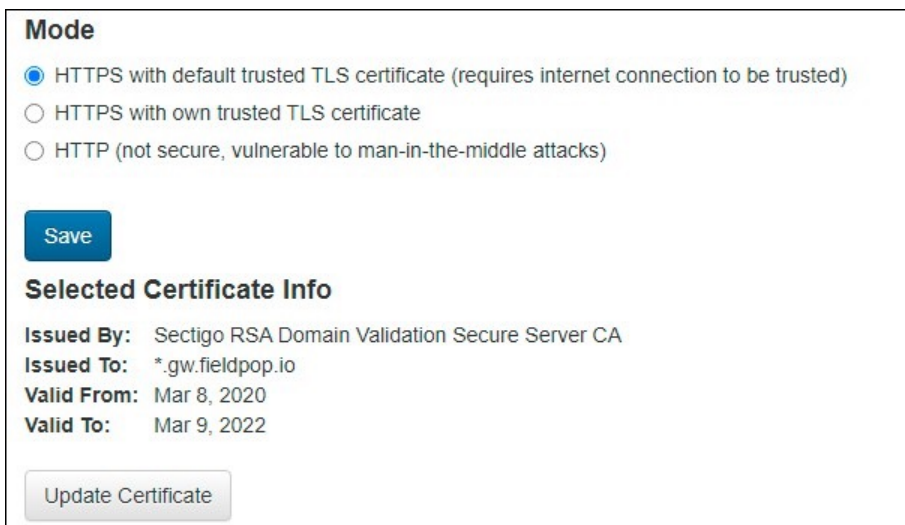
Note that browsers will issue a security warning when browsing to a HTTPS server with an untrusted self-signed certificate.

Mode

- ☒ HTTPS with default trusted TLS certificate (requires internet connection to be trusted)
- ☐ HTTPS with own trusted TLS certificate
- ☐ HTTP (not secure, vulnerable to man-in-the-middle attacks)

Save

5. A random certificate will be selected. Review the selected certificate info and click Save. The page will refresh and will redirect to the device main page.



Mode

- ☒ HTTPS with default trusted TLS certificate (requires internet connection to be trusted)
- ☐ HTTPS with own trusted TLS certificate
- ☐ HTTP (not secure, vulnerable to man-in-the-middle attacks)

Save

Selected Certificate Info

Issued By: Sectigo RSA Domain Validation Secure Server CA
Issued To: *.gw.fieldpop.io
Valid From: Mar 8, 2020
Valid To: Mar 9, 2022

Update Certificate

Configuration

Note: If your organizer can provide its own trusted TLS certificate, select “HTTPS with own trusted TLS certificate”. Contact your department IT administrator to see if it can be obtained (recommended). Once you have this information, copy the certificate and private key to the Certificate and Private Key field and click Save. The page will be reloaded and take you to the main page.

Certificate
XzyMbQQZFRuJZJPe7CTHLcHOrHlLewoUEpVTaBMYd4d5VGdNkIKazByWKcNQL7mX
A4IBACBFEM+IPyOx3T/47VEmalXqE3bx3zEuBFJ8pWPlw7LHDz2Zoflw+9xb+aNMU
dVvAelhBMTMsn2ERvQVp0x3psSv2EJyKXS1bOYNRLsq7UzpwuAdT/Wy3o6vUM5
K+Cw9gEoQOLuxDZTECI67MkcHMiuE5pk7TRchHnQE/sOAYQuiduhIOy9exk9
EmHFVDIZicJUaF+e74EuSph+gErOIQo2wmthyc7L22UXse1NoOIU2Zg0Eu1VWtu
JRyaMWRFEFWuuzMGZIKFWWC+8q2JQsVcglRWM7naotbILChOCMH+sKHJMCxDoXG
vI7jpZUoAL51YXxWSVcyZdGiAP5e
-----END CERTIFICATE-----

Private Key
-----BEGIN PRIVATE KEY-----
slJ00zZelJ4YQSDk2NbzYVz/bt0L DuiKc0+JiO3ooGpTulInqkeA/0KbT/sKcAzw
gkKQe+I15IQNK0bdv7IOJm6daDK2vVdmR5k+LJIHf5N49uplroD97MQgYelzqIT+
TLIlbpq51Sik817k04QbKmiIF50ick+u545+VmgaszhoM55SURYA7Mvbg5daCu
J4I5NihbCvxRE4UK417DMCvujpPcDKI/Wb1a/30XnDnM2K0xyz2wzr900D8Wk48
+7aQFY9F+7I5IjnnkoS3GYlwCylI5iP+mPP1K8RuiD019wvvgPh4dINRTnfdDeF
GYcVSk06okxDOFIkWRZbMvPm4ImQ1XfMlJgONVN1x/aMynOXG4cukoi4+VO
u0rZaUfslI2+Nkfm7IAASm5NRWp202Cy9AYnujic3aAlI5uGfnoKv62cTMxLz
-----END RSA PRIVATE KEY-----

Private Key Passphrase

Configuration

6. Select the  button at the bottom of the parameter window.

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	Submit
mod_baud_rate	Modbus RTU Baud Rate This sets the Modbus RTU baud rate. (9600/19200/38400)	9600	Submit
mod_parity	Modbus RTU Parity This sets the Modbus RTU parity. (None/Even/Odd)	None	Submit
mod_data_bits	Modbus RTU Data Bits This sets the Modbus RTU data bits. (7 or 8)	8	Submit
mod_stop_bits	Modbus RTU Stop Bits This sets the Modbus RTU stop bits. (1 or 2)	1	Submit
network_nr	BACnet Network Number This sets the BACnet network number of the Gateway. (1 - 65535)	50	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 - 4194302)	50000	Submit
bac_mac_addr	BACnet MSTP Mac Address This sets the BACnet MSTP MAC address. (1 - 127)	127	Submit
bac_baud_rate	BACnet MSTP Baud Rate This sets the BACnet MSTP baud rate. (9600/19200/38400/76800)	38400	Submit
bac_max_master	BACnet MSTP Max Master This sets the BACnet MSTP max master. (1 - 127)	127	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	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	Submit

Active profiles

Nr	Node ID	Current profile	Parameters
Add			

Configuration

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

7. Enter profile parameters:

BACnet IP:

Node ID: 1

Current Profile: BAC_IP_DA

IP Address: 192.168.0.150

TCP_id: PLC's MODBUS Network ID

BACnet MSTP:

Node IS: PLC's MODBUS Network ID

Current Profile: BAC_MSTP_DA

Nr	Node ID	Current profile	Parameters
	BAC_MSTP_GS_SE	BAC_MSTP_GS	

HELP (?) Clear Profiles and Restart System Restart Submit Cancel Diagnostics & Debugging

Powered by FieldServer

8. Select **Submit** to accept the unit type selection

9. Select **System Restart** 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

Condaire Inc. or Condaire Ltd. (depending on the entity that supplied the product, and hereinafter collectively referred to as CONDAIRE) warrant for a period of two years after installation or 30 months from the manufacturer's ship date, whichever date is earlier, that CONDAIRE's manufactured and assembled products, not otherwise expressly warranted, are free from defects in materials and workmanship. Notwithstanding the foregoing, the products listed below have an alternate warranty period:

- GS/GSTC Series heat exchanger(s) are warranted to be free from defects in materials and workmanship for a period of 3 years from installation or 40 months from the manufacturer's ship date, whichever is earlier.
- SAM-e Short Absorption Manifolds, except for the coupling seals, are warranted to be free from defects in materials and workmanship for a total period of 10 years from the manufacturer's ship date.
- Humilife RH, RH2+ and WH humidifiers are warranted to be free from defects in materials and workmanship for a period of 5 years from the manufacturer's ship date. CONDAIRE may, at its discretion, replace individual components or Humilife RH units as a whole.
- Spare Parts used for repairs are warranted for the balance of the term of the warranty on the original humidifier or 90 days, whichever is longer.
- No warranty is made against corrosion, deterioration, or suitability of substituted materials used as a result of compliance with government regulations.

CONDAIRE's obligations and liabilities under this warranty are limited to furnishing replacement parts to the customer, F.O.B. CONDAIRE's factory. The replacement parts are warranted for the balance of the term of the warranty on the original humidifier or 90 days, whichever is longer. Procedure:

1. Customer Requests Warranty as per instructions on the CONDAIRE Warranty Form.
2. CONDAIRE reviews the warranty claim and will respond in one of two ways:
 - a. Warranty Accepted – Replacement Part or credit granted.
 - b. Warranty Declined – Response with justification will be provided to the customer.
3. In some cases, CONDAIRE may request the part to be returned, freight prepaid by the customer, as part of the warranty acceptance or warranty determination process. Some reasons include:
 - a. Part must be analyzed to determine the root cause of failure.
 - b. Part must be returned to the supplier for claim/investigation.

When parts are requested to be returned, replacement parts will be sent by CONDAIRE to the customer against an invoice from CONDAIRE paid by the customer. The cost of the replacement parts will be reimbursed to the customer with a credit note after the parts are received and analyzed by CONDAIRE, if the warranty is accepted.

The warranties set forth herein are in lieu of all other warranties expressed or implied by law. No liability whatsoever shall be attached to CONDAIRE 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, with the exception of a purchased extended warranty described below, must be in writing, and signed by an officer of CONDAIRE.

CONDAIRE makes no warranty and assumes no liability unless the equipment is installed in strict accordance with the installation manual in effect at the date of purchase, and by properly qualified and licensed professionals capable of installing such equipment.

CONDAIRE 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.

CONDAIRE makes no warranty and assumes no liability whatsoever for damage to the products, humidifier, supply lines, drain lines, steam distribution systems, or the building as a whole caused by freezing.

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

Extended Warranty

Extended warranties are available to purchase under the conditions listed above. Extended warranties must be purchased at the time of the original equipment order.



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U.S.A.
1021 6th Street
Racine, WI 53403

CANADA
2740 Fenton Road
Ottawa, Ontario K1T 3T7

TEL: 1.866.667.8321
EMAIL: na.info@condair.com
WEBSITE: www.condair.com

