## **ETBAC Installation Guide**

The ETBAC module must be configured before use!

Requirements:

- PC with web browser
- CAT5 Crossover cable or Ethernet HUB or Switch

Access the ETBAC configuration screen using your internet browser as follows:

- 1. Connect the crossover cable to the ETBAC, or plug it directly into the Ethernet HUB or switch.
- 2. Connect the ETBAC to a 12-30VAC/VDC power supply.
- 3. Plug in the PC or laptop to the hub (or directly to the ETBAC if using a crossover cable). NOTE: Many modern Ethernet ports on PCs have auto-crossover detection and it may be possible to use a standard CAT5 cable in this case, although it is not guaranteed.
- 4. Ensure that there is only one PC attached the the HUB in this small LAN.
- 5. Observe the lights on the hub and ETBAC to ensure that a link is made. The upper-left LED on the RJ-485 connector will light green when a link is made. This may take a few seconds after power up, as the device needs to boot up.
- 6. Set your PC's IP Address to **192.168.88.90**, with a subnet mask of **255.255.255.252**. Refer to your operating system specifics as to how to set a static IP Address. A good reference is available here:

http://www.elkor.net/articles/static ip

7. Open your web browser to the following URL:

## http://192.168.88.89

8. You will be prompted to login to the device "BACnet Device Websetup"

Authentication	Required		
?	A username and password are being requested by http://192.168.88.89. The site says: "BACnet Device Websetup"		
User Name:	admin		
Password:	•••••		
	OK Cancel		

- 9. The default user is admin and the default password is admin
- 10. From the browser interface, you can change the IP configuration using the "BACnet/IP Settings" menu.

<ul> <li>3 192.168.88.89/admin/?page:</li> </ul>	=bip	🔻 C 🔡 🔹 cimetrix	오 습 🖶 🏠 🕄	
Elkor Gmail 🛄 Convert Google Li	nks 🗲 Elkor WWW 🔒 Elkor 🐡 TimeZone 🥚 E	ilkor Domain 🏀 London Weather	门 spreed! 🎒 Network 📙 Sports 📙 Forum	
<b>S</b> cimetrics	B6130 - BACnet/IP to 2 ch. E	asyMAP		
Home	BACnet/IP Settings			
BACnet/IP Settings	This page allows you view current BACnet/IP settings, change BACnet/IP settings or restore them to factory default.			
Devices Configuration	Parameter	Value	Description	
BACnet Objects Status	IP Address	192.168.138.222	IP address of the Device.	
	Network Mask	255.255.255.0	Subnet mask.	
Change Password	Default Gateway	192.168.138.1	IP address of default gatewa	
Statistics	BACnet UDP Port	47808	BACnet/IP UDP port number	
Reset Configuration	BACnet Device Number	1415445	Device ID. Default = 1415445 generated from MAC.	
Activate Configuration	BBMD IP Address		IP address of target BBMD f the Foreign Device to registe Entering IP address of target BBMD enables Foreign Device mode.	
	BACnet Device Location/Application	ElkorHQ	Location/application string (0-63 characters) to help use find the Device Object Name	
	Modbus/TCP Port for TCP to RTU Router	502	Default = 502. Enter 0 to disable TCP to RTU Router.	
	Enable BACnet/IP Control Objects		Enable/Disable direct access to Modbus registers (for seri- line devices only).	
	OK Advanced		Bestore default	

Once settings have been changed, you much Activate Configuration for the changes to take place.

- 11. Once the settings have been activated, the device will reboot. You may place the device on the intended LAN/subnet. Ensure you can ping the device from a command prompt. Additionally, the configuration web page may now be accessed via the newly assigned IP address (provided it is on the same LAN).
- 12. The device is ALWAYS accessible at IP address 192.168.88.89, therefore, if the device cannot be reached using the new settings, or is in an unknown state, repeat steps 1-10 to reset to a know IP configuration.

## **Device Password**

For security purposes, it is recommended to change the device password.

HOWEVER note that the password is not recoverable by ANY means.

This means that if the password is lost, it is impossible to retrieve, even at the factory.