

iView HMI - BACnet IP Driver Setting Tutorial



HMI solutions **you can view**

Table Of Contents

INTRODUCTION.....	3
SETTING UP.....	4
HMI SETTING.....	9

Information in this document is subject to change without notice and does not represent a commitment on the part of IMO Precision Controls Ltd.

Introduction

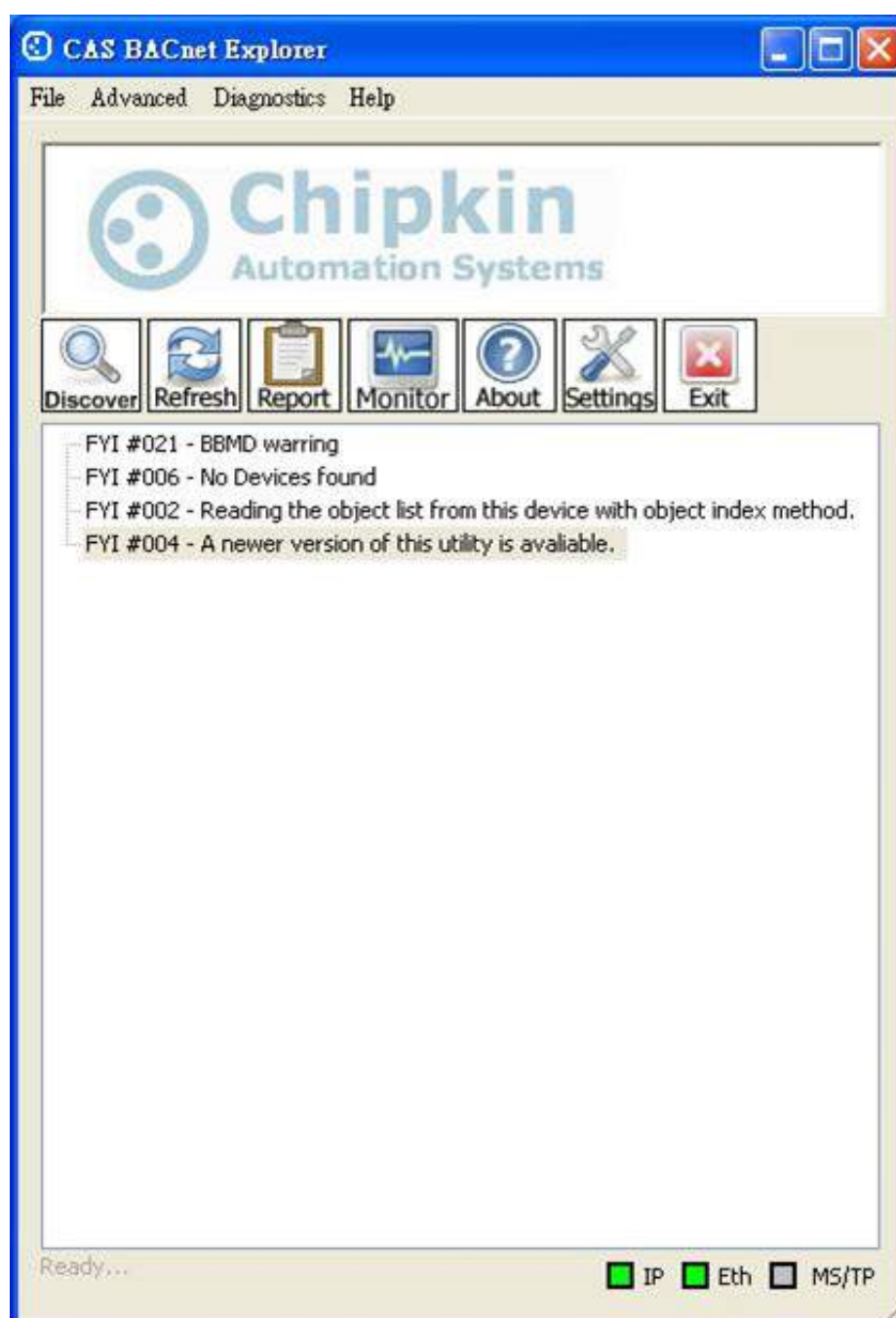
This document illustrates how to connect BACnet/IP devices with the iView Advanced HMI.



Setting Up

When you wish to link with the BACNet/IP device, please follow steps below to use the CAS BACNet Explorer to search on-line device:

1. CAS BACNet Explorer setting



2. Apply the CAS BACNet Explorer tool

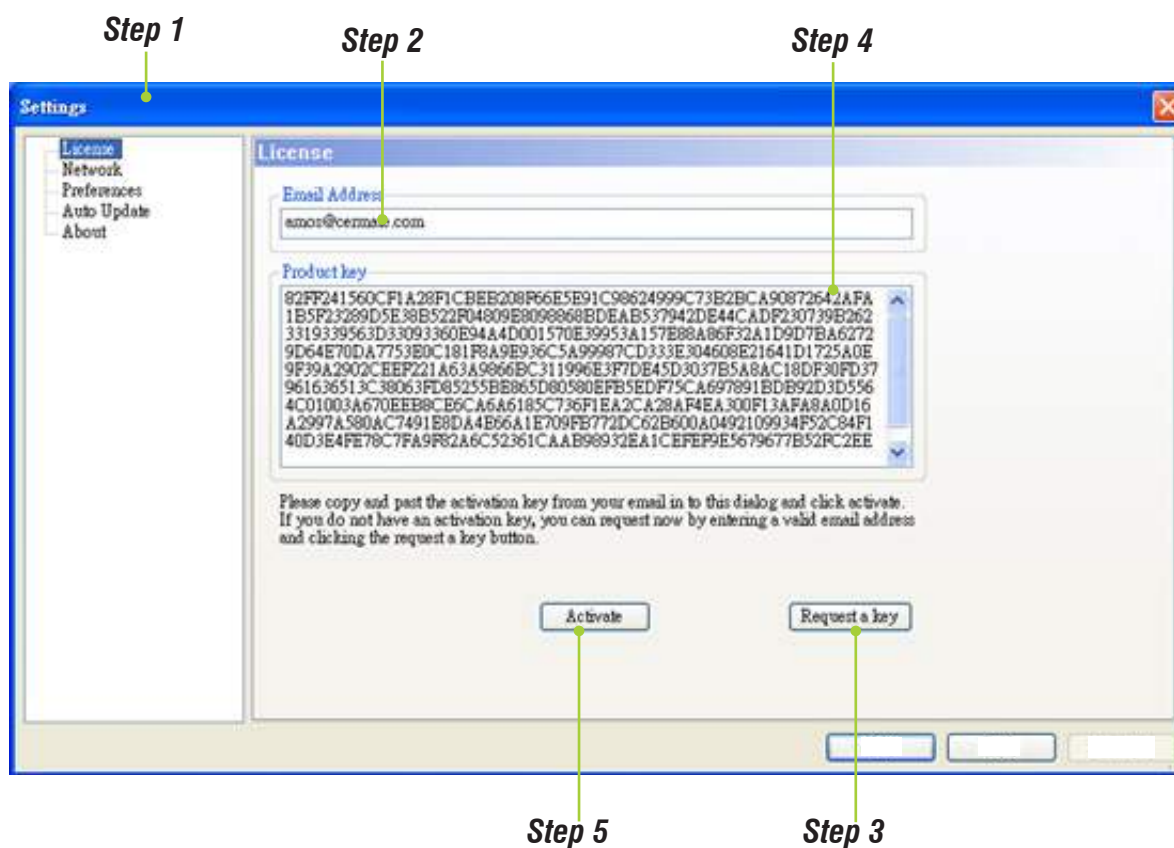
Step 1: Press the "License"

Step 2: Fill out one e-mail address to apply the "Product Key" and it can be used for 60-minutes. If you need to use several times, you can use same e-mail account to apply it.

Step 3: Press the "Request a key", it will enter its website and key-in the e-mail account to execute the "Apply" button and then get their product key from your e-mail.

Step 4: Please copy the "Product Key" into this space.

Step 5: Press the "Activate" to enable this tool.



3. BACNet/IP network setting

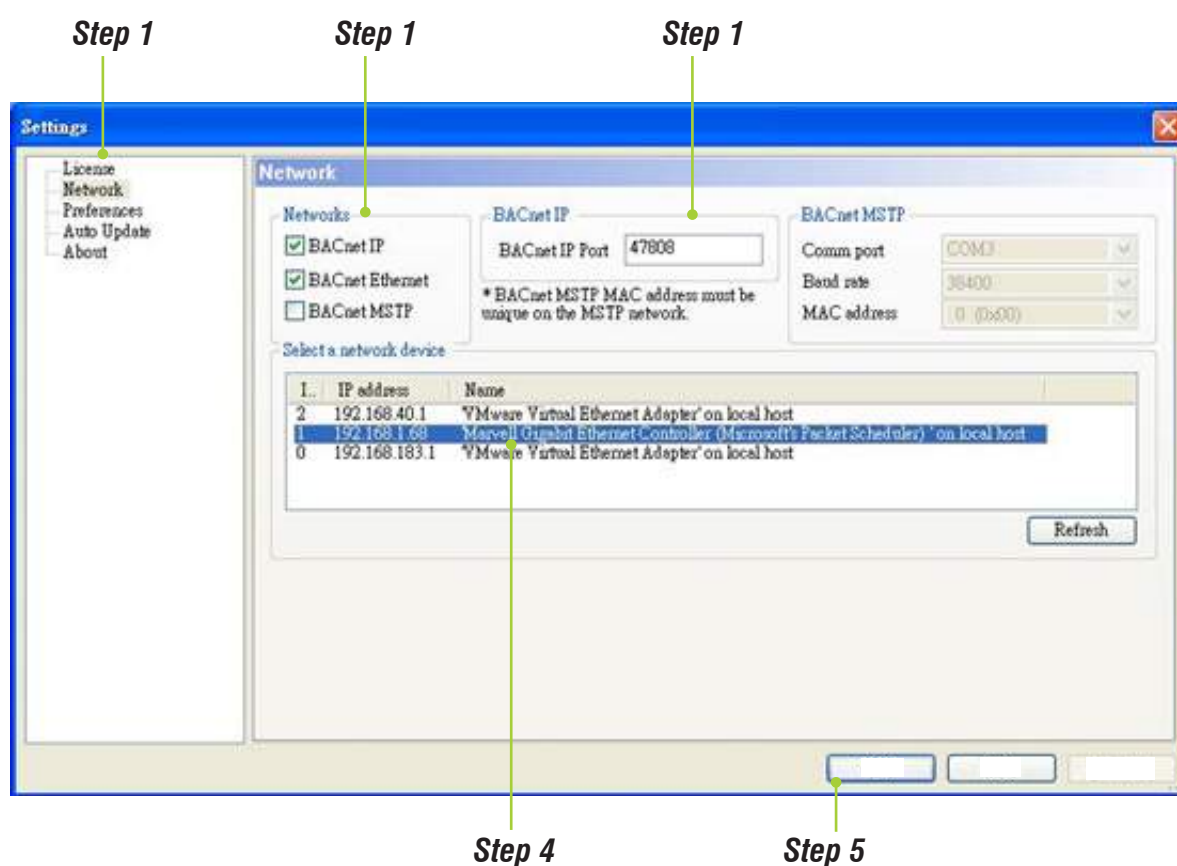
Step 1: Select the “Network”

Step 2: Select the “BACnet IP” and “BACnet Ethernet”

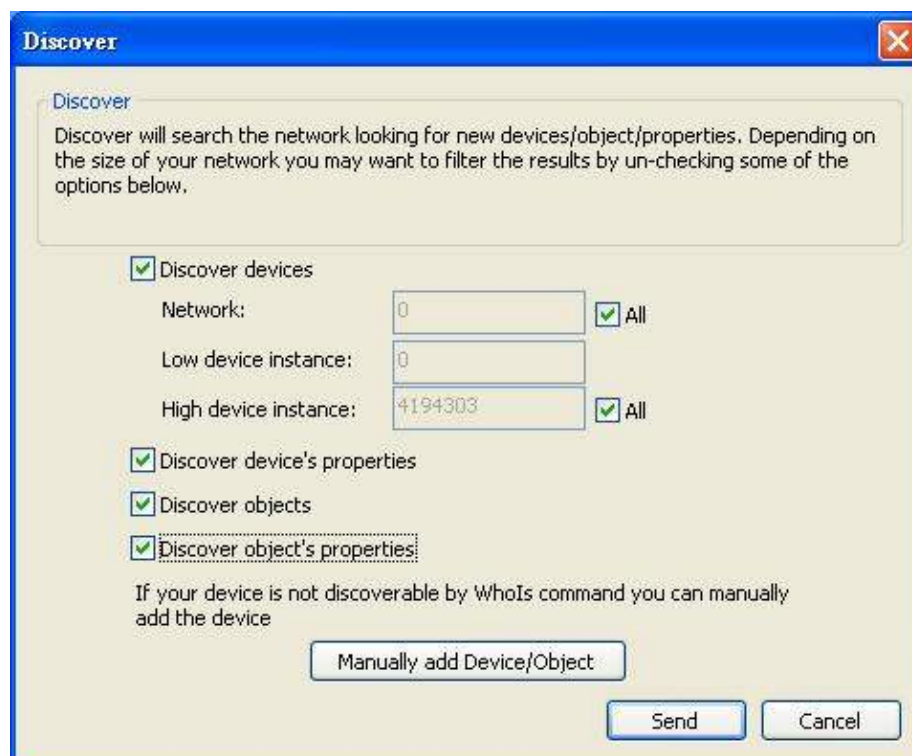
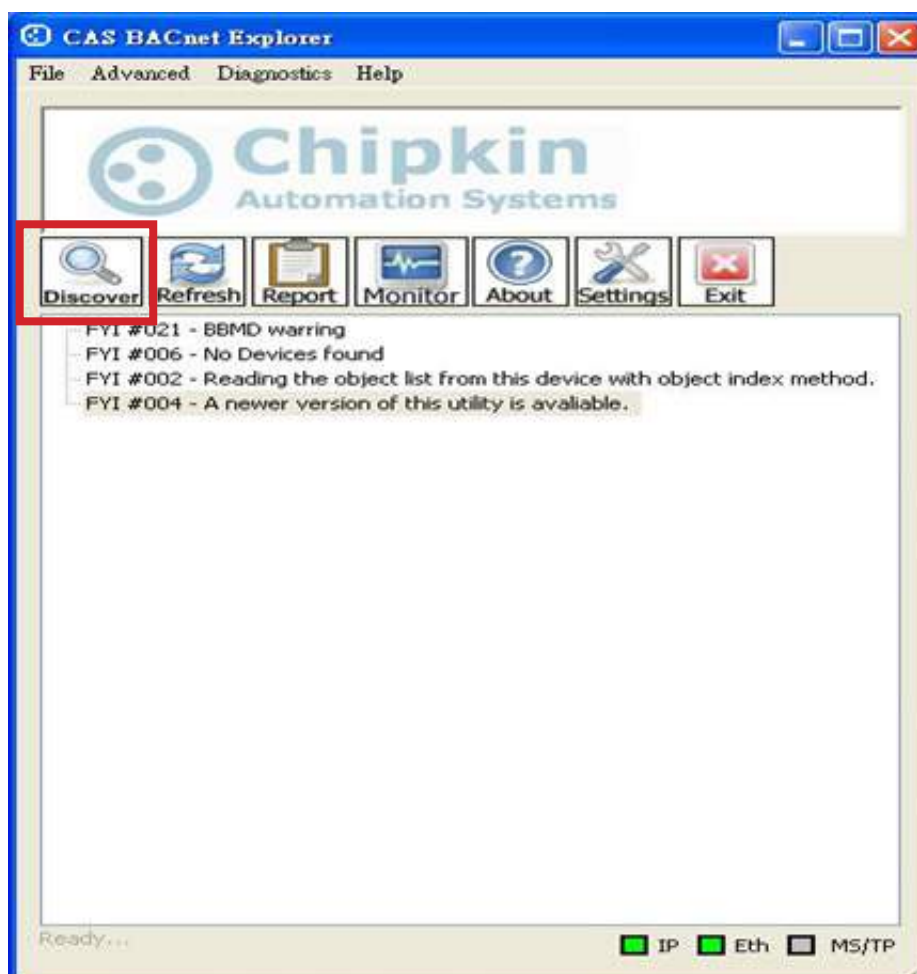
Step 3: Key-in the “BACnet IP Port”

Step 4: To make sure the the PC and BACnet/IP device is linking, to press the “Refresh” button to get the on-line device.

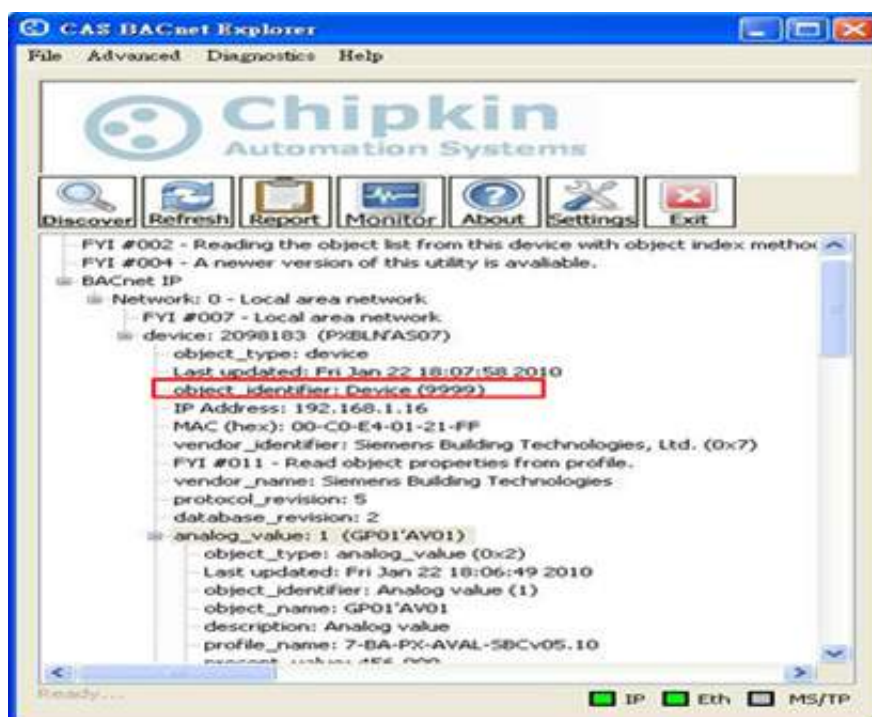
Step 5: To select the BACnet IP device to press the “OK” button.



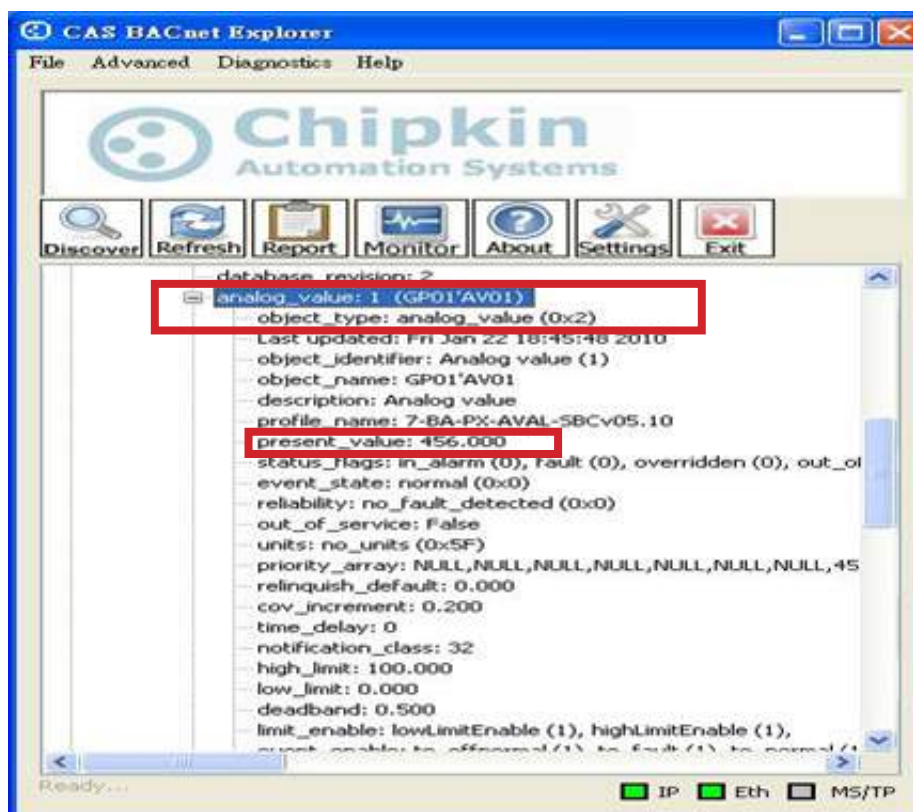
3. Press the "Discover" button and select all device to press "Send"



Sample: the object ID is "9999" and this ID is the node address of the iView Developer software setting.

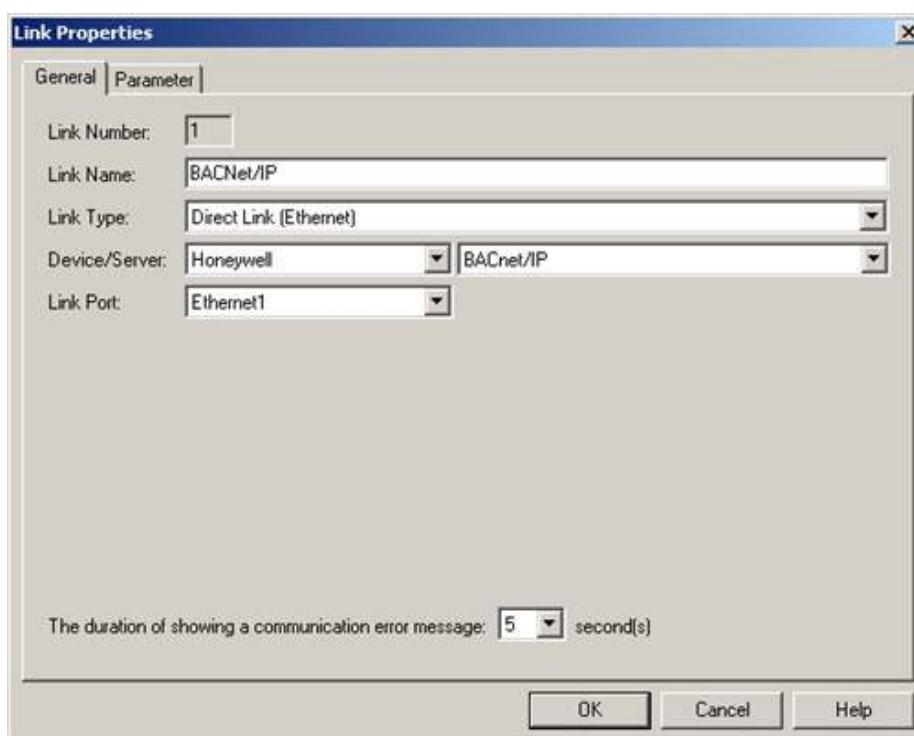


Note: The node address of the iView Developer software (Before Ver1.2.57) is 0~32767.
Please set the object ID to 0~32767.
Device AV1=456.000 (Floating Point)



HMI Settings

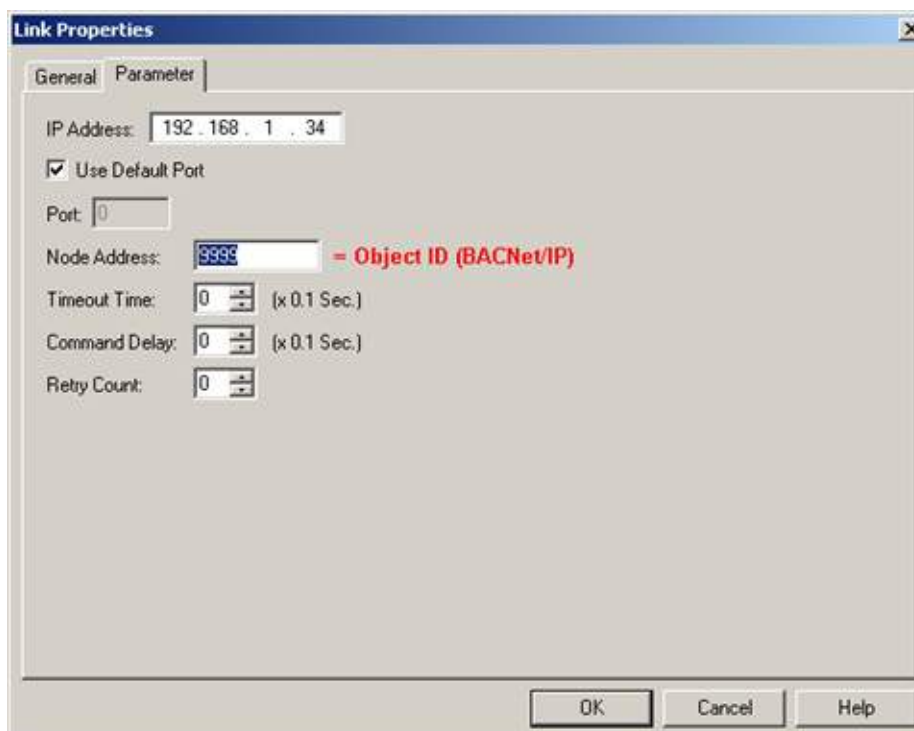
Select [Device/Server: Honeywell →BACnet/IP Protocol]



The Link Properties dialog box, General tab, is shown. It contains the following fields and controls:

- Link Number: 1
- Link Name: BACnet/IP
- Link Type: Direct Link (Ethernet)
- Device/Server: Honeywell (dropdown) and BACnet/IP (dropdown)
- Link Port: Ethernet1 (dropdown)
- The duration of showing a communication error message: 5 second(s)
- Buttons: OK, Cancel, Help

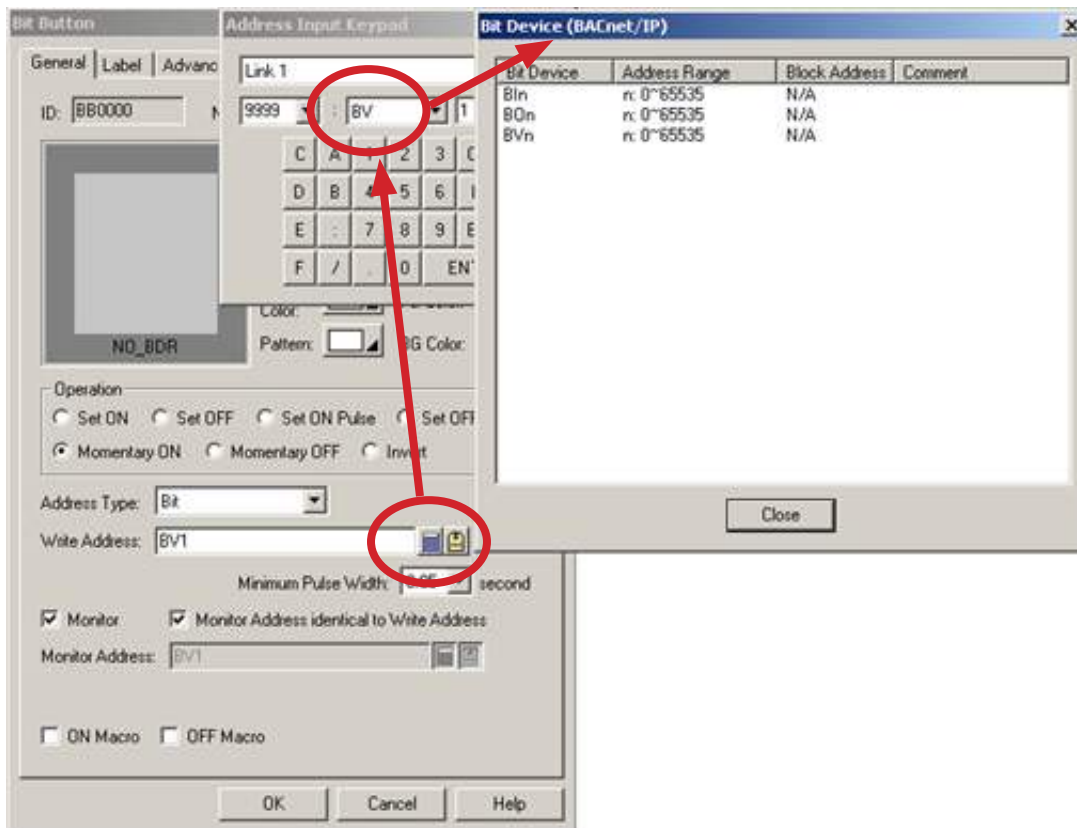
Setting HMI IP address to **192.168.1.34**, and the Node Address=9999 (Object I.D.)



The Link Properties dialog box, Parameter tab, is shown. It contains the following fields and controls:

- IP Address: 192 . 168 . 1 . 34
- ☒ Use Default Port
- Port: 0
- Node Address: 9999 = Object ID (BACnet/IP)
- Timeout Time: 0 (x 0.1 Sec.)
- Command Delay: 0 (x 0.1 Sec.)
- Retry Count: 0
- Buttons: OK, Cancel, Help

Bit Device:



Bit Button: General | Label | Advanced

ID: BB0000

Link 1: 9999 : BV

Color: Pattern: BG Color:

Operation:

☐ Set ON ☐ Set OFF ☐ Set ON Pulse ☐ Set OFF

☒ Momentary ON ☐ Momentary OFF ☐ Invert

Address Type: Bit

Write Address: BV1

Minimum Pulse Width: 0.01 second

☒ Monitor ☒ Monitor Address identical to Write Address

Monitor Address: BV1

☐ ON Macro ☐ OFF Macro

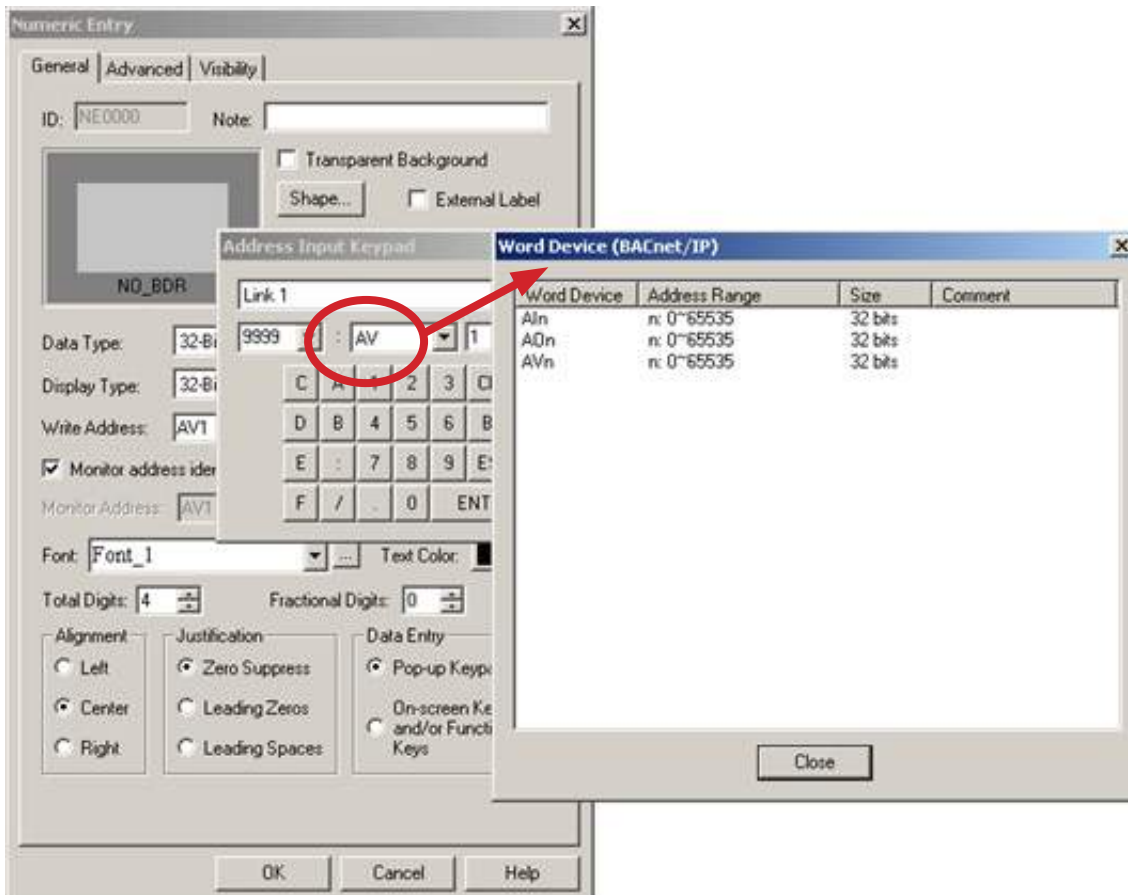
OK Cancel Help

Bit Device (BACnet/IP)

Bit Device	Address Range	Block Address	Comment
BIn	n: 0~65535	N/A	
BOn	n: 0~65535	N/A	
BVn	n: 0~65535	N/A	

Close

Word Device:



Numeric Entry: General | Advanced | Visibility

ID: NE0000 Note:

☐ Transparent Background

Shape... ☐ External Label

Link 1: 9999 : AV

Data Type: 32-Bit

Display Type: 32-Bit

Write Address: AV1

☒ Monitor address identical to Write Address

Monitor Address: AV1

Font: Font_1 Text Color:

Total Digits: 4 Fractional Digits: 0

Alignment: ☐ Left ☒ Center ☐ Right

Justification: ☒ Zero Suppress ☐ Leading Zeros ☐ Leading Spaces

Data Entry: ☒ Pop-up Keys ☐ On-screen Keys and/or Function Keys

OK Cancel Help

Word Device (BACnet/IP)

Word Device	Address Range	Size	Comment
AIn	n: 0~65535	32 bits	
AOn	n: 0~65535	32 bits	
AVn	n: 0~65535	32 bits	

Close

IMO Worldwide Offices

IMO Precision Controls Limited

1000 North Circular Road
Staples Corner
London NW2 7JP
United Kingdom

Tel: 020 8452 6444
Fax: 020 8450 2274
Email: sales@imopc.com
Web: www.imopc.com

IMO Canada

Unit 32 - B - North
18 Stratheam Avenue, Brampton
Ontario L6T 4Y2
Canada

Tel: 905 799 9237 (local)
Fax: 905 799 0450
Email: sales@imopc.com
Web: www.imopc.com

IMO Russia

Office № 4063
9, Zemlyanoy Val, 105064
Moscow
Russia

Tel: 8 800 100 8540 (toll free)
Fax: 8 800 100 8541
Email: sales@imopc.com
Web: www.imopc.com

IMO Jeambrun Automation SAS

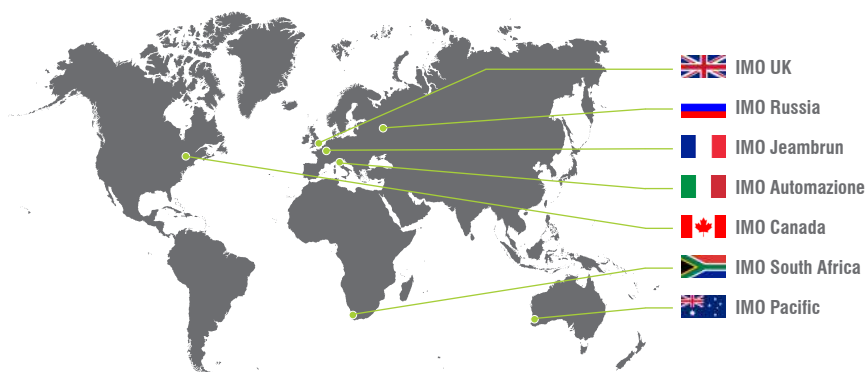
Centre D'Affaires Rocroy
30, Rue de Rocroy
94100 Saint-Maur-Des-Fosses
France

Tel: 0800 912 712 (toll free)
Fax: 0145 134 737
Email: sales@imopc.com
Web: www.imojeambrun.fr

IMO Automazione

Via Ponte alle Mosse, 61
50144 Firenze (FI)
Italia

Tel: 800 930 872 (toll free)
Fax: 8000 452 6445
Email: sales@imopc.com
Web: www.imopc.it



IMO South Africa (Pty) Ltd

G16 Centurion Business Park
Montague Gardens
Cape Town 7441
South Africa

Tel: 021 551 1787
Fax: 021 555 0676
Email: info@imopc.co.za
Web: www.imopc.co.za

IMO Pacific Pty Ltd

1/34 Fallon Road
Landsdale
Perth WA 6065
Australia

Tel: 08 9302 5246 (local)
Fax: 08 9303 9908
Email: sales@imopacific.com.au
Web: www.imopacific.com.au