

### Product Description

BACnet IP Relay Device, One Binary Output + Override, One Binary Input, 24 Vac/dc / 120-277 Vac Power Input, NEMA 1 Housing

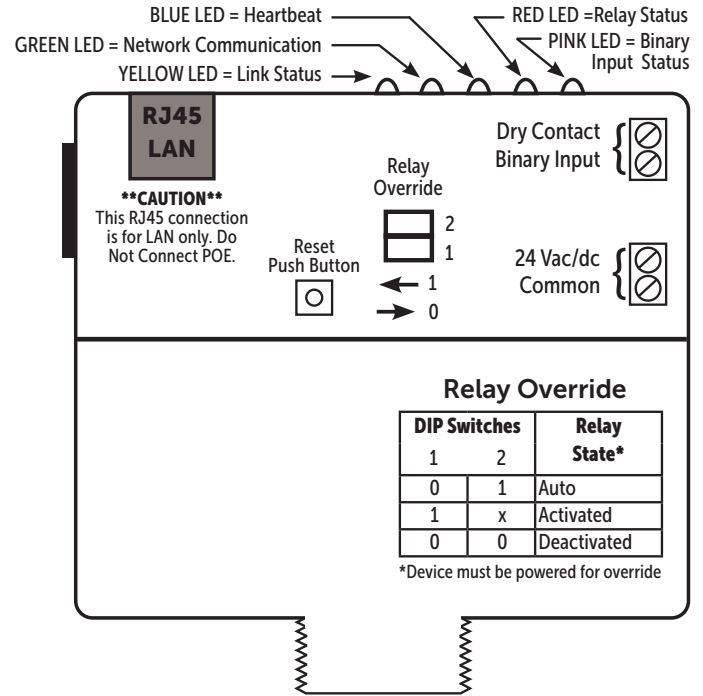
### BACnet Details

- Device ID will default to 277XXX where XXX is the decimal value of the last octet of the device's MAC address

Examples:  
MAC Address – D8:47:8F:23:97:9E  
Hexadecimal 9E = Decimal 158  
Device ID – 277158

MAC Address – D8:47:8F:23:9F:20  
Hexadecimal 20 = Decimal 32  
Device ID – 277032

- Device ID can be changed with a BACnet configuration tool or on the product's webpage via an internet browser.
- This model utilizes: BO1 (Relay output), BI1 (Dry Contact Binary Input), NP1 (Network Port Object)
- PIC Statement and Datasheet available on website: [www.functionaldevices.com](http://www.functionaldevices.com)



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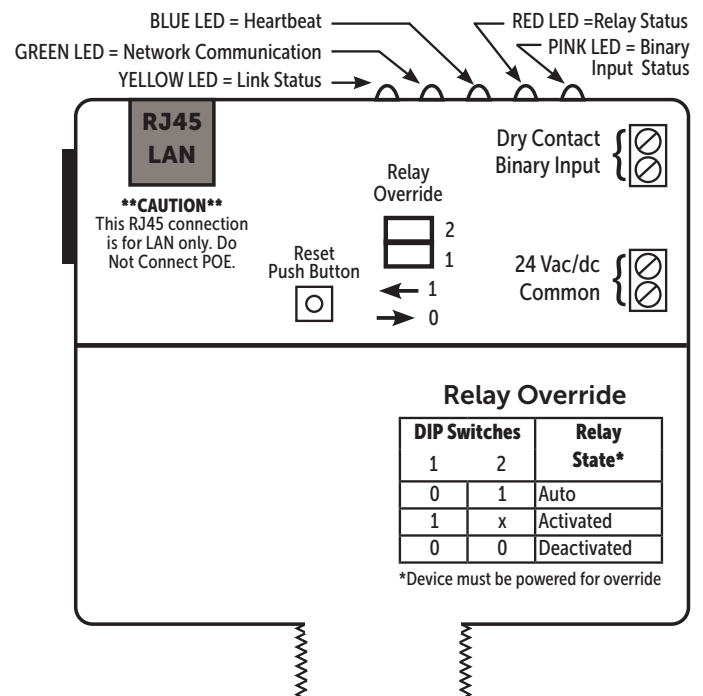
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### Configuration Details

This product defaults to DHCP mode when connected to a network.

Using a Discovery tool, add the device to a network, and make note of the IP Address assigned.

Open a web browser and type the device's IP Address into the URL bar.

The product serves three web pages:

1. The main page shows the status of the unit's Binary Input and Binary Output.
2. The second page shows the BACnet Objects and Properties. From here, properties can be read and written.
3. The third page shows the Network configuration details. From here the device can be switched from DHCP to Static IP mode, and the device's address can be changed.

### LED Definitions

- Yellow LED – Link status (network connected)
- Green LED – Network communication
- Blue LED – Heartbeat
- Red LED – Relay status (Binary Output 1)
- Pink LED – Dry Contact Input status (Binary Input 1)

### Relay Override (Local DIP Switch)

See the diagram on the other side of this sheet.

### Reset Pushbutton

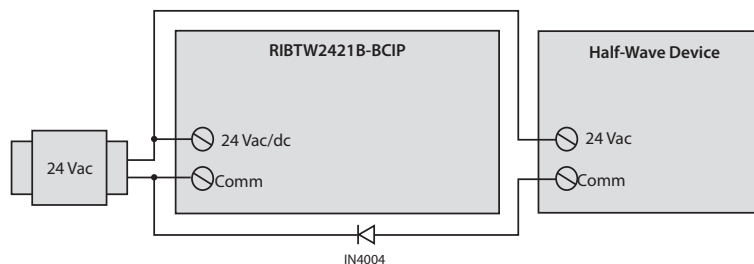
To restore the unit to its defaults, hold the Reset Pushbutton for 5 seconds. The Blue LED will blink rapidly and then stay on for a few seconds. This indicates that the device is resetting. When the LED begins to blink slowly again (heartbeat), the device has been Reset.

### Powering device with 24 Vac

When connecting 24 Vac to both the RIB(s) and a half-wave device, damage to device can occur.

- Option 1: Use separate transformers for each device.
- Option 2: Add diode between devices, see Option 2

Note in Diagram Below ^^



^^ Option 2: Add diode on 24 Vac power (Comm) interconnection between devices. Band on diode faces towards RIB(s).

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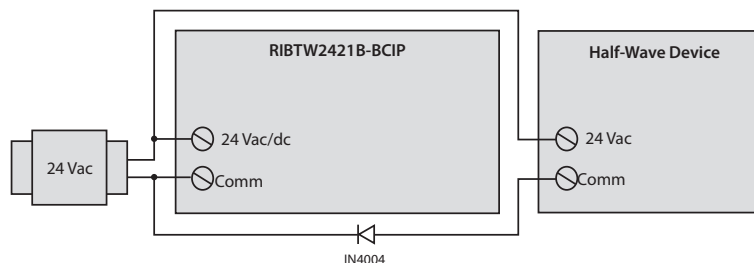
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