



# NC-BASRTXBXX

BACnet/IP to MS/TP Router



## Overview

The router routes messages between BACnet/IP and BACnet MS/TP networks as per the ANSI/ASHRAE 135 (ISO 16484-5) standard. It allows BACnet/IP devices connected over Ethernet to communicate with MS/TP devices. The router is configurable via its web page.

## Applications

- Use existing Ethernet infrastructure
- Locate MS/TP devices where no MS/TP cable exists

## Features & Benefits

- Route between BACnet®/IP to BACnet® MS/TP networks
- Diagnostic LEDs include MS/TP traffic monitor
- Optically isolated MS/TP communication port
- Web server for commissioning, re-configuring and troubleshooting
- 10/100 Mbps Ethernet auto-negotiation and automatic medium-dependent interface cross-over port

# Product Specifications

## Power

Input	DC
<input type="checkbox"/> Voltage	24 (±10%)
<input type="checkbox"/> Current	125 mA (max)
<input type="checkbox"/> Power Consumption	3 W
Input	AC
<input type="checkbox"/> Voltage	24 (±10%)
<input type="checkbox"/> Current	125 mA (max)
<input type="checkbox"/> Power Consumption	3 VA

## Environmental

Operating Temperature	0°C to 60°C; 32°F to 140°F
Storage Temperature	-40°C to 85°C; -40°F to 185°F
Relative Humidity	10 to 95%, non-condensing
Protection	IP30

## Enclosure

Material	Metal
Color	Black
Dimensions (W x H x D)	2.76" x 4.85" x 1.00" (70mm x 123mm x 26mm)
Installation	DIN Rail

## Ethernet Port

Compliance	IEEE 802.3
Data Rate	10 Mbps, 100 Mbps
Physical Layer	10BASE-T, 100BASE-TX
Max Cable Length	100 m
Port Connector	Shielded RJ-45
LED Indicators	Green = 100 Mbps (flash for activity) Yellow = 10 Mbps (flash for activity)

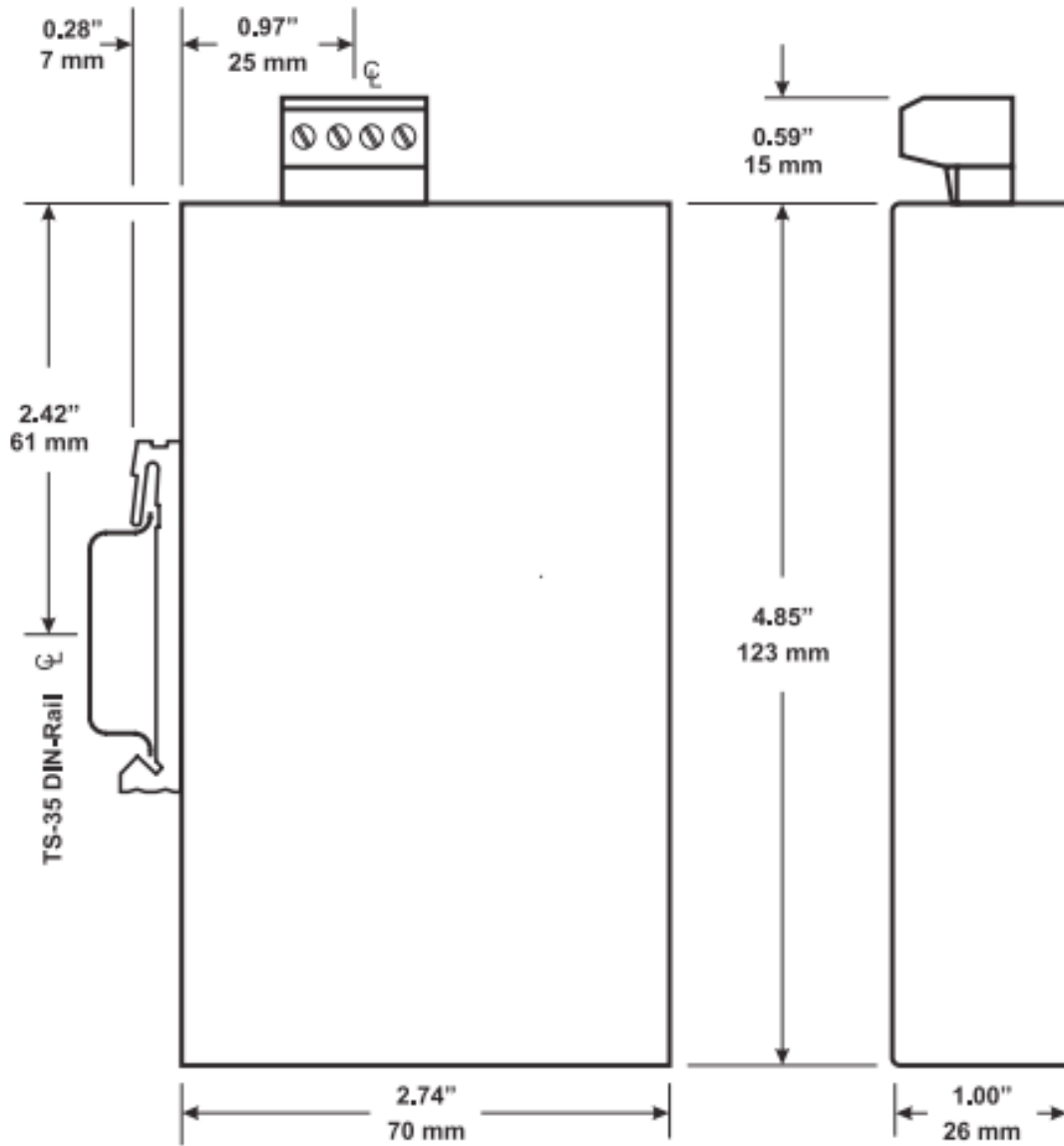
## MS/TP Port

Compliance	ANSI/ASHRAE 135 (ISO 16484-5)
Data Rate	9,600; 16,200; 38,400; 76,800 bps
Physical Layer	EIA-485
Max Cable Length	1200 m
Port Connector	3-pin terminal block Jumper-selectable bias and termination
LED Indicators	Green = MS/TP (flash for activity)

## Regulatory Compliance

CE	EN 55022, EC 55024
FCC	Part 15 Class A
UL	508

# Dimensions



Specifications subject to change without notice.  
Distech Controls, and the Distech Controls logo are trademarks of Distech Controls Inc. All other trademarks are property of their respective owner.  
©, Distech Controls Inc., 2019. All rights reserved.