



# NC-BACNETREPX0

BACnet MS/TP Repeater



## Overview

The BACnet MS/TP repeater is designed to extend your network beyond the 4,000 feet range limitation of RS-485. The repeater also augments the RS-485 signal to allow more devices on a single channel.

## Applications

- Extend the range of your RS-485 BACnet MS/TP field bus by 4000 ft
- Augment an attenuated signal to add extra devices to your channel

## Features & Benefits

- Auto switching baud rate, 300 ~ 115200 bps
- DIN-Rail mountable
- ESD Protection for the data line
- Flexible power input, +10 ~ +30 VDC

## Accessories

NC-DINKA52F	DIN rail power supply
NC-GPSU06U6	Wall plug power supply

# Product Specifications

## Power

Voltage \_\_\_\_\_ +10 VDC to +30 VDC (non-isolated)  
Power Consumption \_\_\_\_\_ 2.16 W

## Environmental

Operating Temperature \_\_\_\_\_ -25°C to 75°C; -13°F to 167°F  
Storage Temperature \_\_\_\_\_ -30°C to 75°C; -22°F to 167°F  
Relative Humidity \_\_\_\_\_ 10 to 90%, non-condensing

## Enclosure

Material \_\_\_\_\_ Plastic (Fire Retardant materials UL 94-VO)  
Color \_\_\_\_\_ Grey  
Dimensions (W x H x D) \_\_\_\_\_ 2.83 x 4.80 x 1.38" (72 x 122 x 35mm)  
Installation \_\_\_\_\_ DIN-Rail

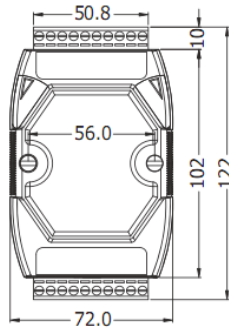
## Interface

Input \_\_\_\_\_ 1 RS-485 Channel: Data+, Data-  
Output \_\_\_\_\_ 1 RS-485 Channel: Data+, Data-  
Wiring \_\_\_\_\_ 07CBL-BACNET  
Transfer Distance \_\_\_\_\_ Max. 1,200 m @ 9.6kbps;  
Max 400 m @ 115.2 kbps  
Max. Devices Supported \_\_\_\_\_ 256  
Speed \_\_\_\_\_ 300 to 115200 bps (self-tuning)  
LED Indicators \_\_\_\_\_ Power/Communication

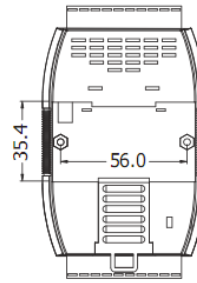
## Electromagnetic Compatibility

CE \_\_\_\_\_ EN 55022:1998+A1:2000 Class A  
EN 61000-3-2:2000 Class A  
EN 61000-3-3:1995+A1:2001  
EC 55024:1998+A1:2001  
FCC \_\_\_\_\_ FCC Part 15 Class A

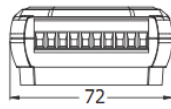
# Dimensions



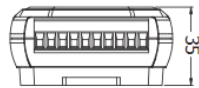
Front View



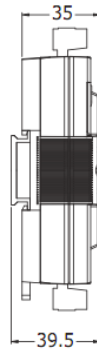
Back View



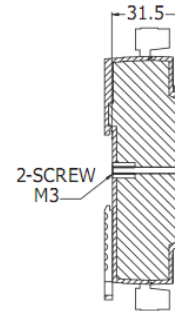
Top View



Bottom View



Din-Rail Mounting Bracket



Side View

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