



# CRC6001

## System Amplifier Unit



## Overview

The CRC6001 System Amplifier Unit is a device used to boost the 2-Wire Data Bus strength. Requiring a minimum 10mA signal, this amplifier supplies 500mA to the downstream data bus. The 2-Wire Data Bus must be amplified when the signal draw exceeds the signal output or when the wiring distance exceeds the maximum limit.

## Electrical (Low Voltage)

<b>Voltage:</b>	24 VAC, Class II
<b>Power:</b>	25 W Max
<b>Data Input:</b>	±24 VAC, Signal
<b>Current Required:</b>	10 mA Min
<b>Data Output:</b>	±24 VAC, Signal
<b>Current:</b>	500 mA

## Features

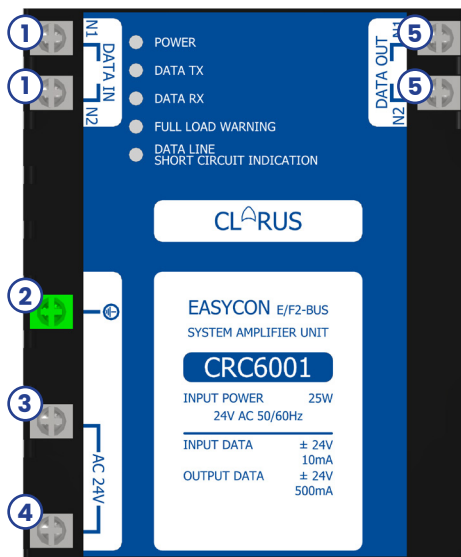
- » Provides 500mA to the downstream 2-Wire Data Bus
- » Additional power allows for system expansion
- » Extends wiring distances when needed

## Physical Specification

<b>Dimensions:</b>	4.88" H x 3.94" W x 2.36" D (124 mm x 100 mm x 60 mm)
<b>Mounting:</b>	CRC9000 Panel Mounting Strap (x5)
<b>Temperature Rating:</b>	14 °F to 131 °F (-10 °C to 55 °C)
<b>Weight:</b>	0.694 lb (315 g)



## Terminal Identification



1. 2-Wire Data Bus (Input)
2. Ground
3. 24 VAC
4. 24 VAC Common
5. 2-Wire Data Bus (Output)

## Wiring Diagrams

Low voltage wiring of a CRC6001 amplifier.

