4-Channel Bus Dry Contact Input Module
Installation Guide

Supported models

- C4-DCIM4 4-Channel Bus Dry Contact Input Module

Introduction

The Control4® 4-Channel Bus Dry Contact Input Module is intended for use in a Control4 system. It installs inside a standard US/EU/UK-style wallbox. Communication to the Control4 system is via RS-485 protocol and wiring.

Box contents
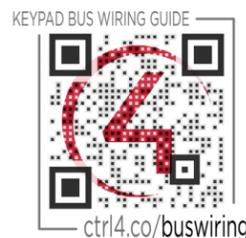
- Dry Contact Input Module
- Warranty card

Specifications

Model number	C4-DCIM4 4-Channel Bus Dry Contact Input Module
Power requirements	48VDC
Power output	12VDC, 50mA
Power consumption	0.15mW
Environmental	
Operational temperature	0˚C - 40˚C (32˚F - 104˚F)
Humidity	5% to 95% non-condensing
Storage	-20˚C - 70˚C (-4˚F - 158˚F)
Miscellaneous	
Control communications	RS-485
Weight	0.05 lb. (0.022 kg)
Shipping weight	0.13 lb. (0.06 kg)
Dimensions	1.9" × 1.9" × 0.4" (48.3 mm × 48.3 mm × 10.2 mm)

Special requirements

- Powered by the C4-DIN-BPS48 or C4-BPS48 power supply
- Requires the C4-DIN-BEG Bus Ethernet Gateway to communicate with the Control4 system

More help

For the latest version of this guide and to view additional materials, open the URL below or scan the QR code. Your device must be able to view PDFs.
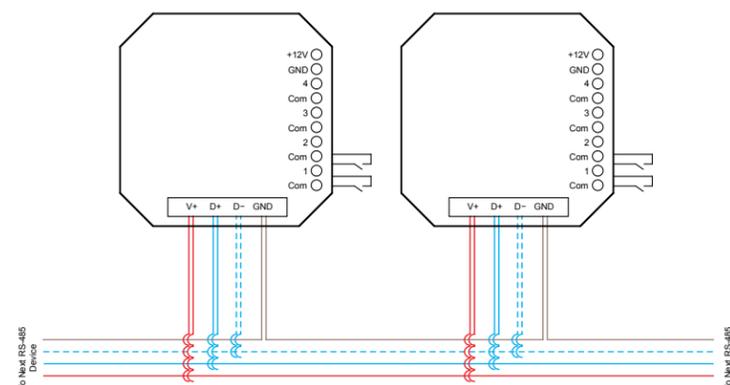
MOST RECENT VERSION
ctrl4.co/dciminstall

KEYPAD BUS WIRING GUIDE
ctrl4.co/buswiring

Warnings and considerations

☑ **Important:** Using this product in a manner other than outlined in this document voids your warranty. Further, Control4 is **not** liable for any damage incurred with the misuse of this product. See "Troubleshooting."

☑ **Important:** This is an electronic device with intricate components. Handle and install with care

⚠ **Caution!** Do not exceed the number of Dry Contact Input Modules per power supply as indicated in the Keypad Bus Wiring Guide. Exceeding the maximum number of Dry Contact Input Modules will result in overheating the wires and/or failed devices!

⚠ **ATTENTION !** Ne pas dépasser le nombre de modules de contacts d'entrée à secs par bloc d'alimentation comme indiqué dans le Guide de câblage pour clavier. Si vous dépasser le nombre maximum de Modules d'entrée cela pourrai surchauffé les fils et / ou rendre les dispositifs défectueux!

Installation instructions

⚠ **Caution!** When wiring the Dry Contact Input Module, make sure that either:

- The Bus Power Supply is **not** powered on.

- OR -

- The pluggable connector is disconnected from the Bus Power Supply.

⚠ **ATTENTION !** Lors du câblage du Module de contact d'entrée à sec, assurez-vous que ce soit:

- L'alimentation de bus n'est pas sous tension.

- OU -

- Le connecteur enfichable est déconnecté de l'alimentation de bus.

1 Insert the pluggable terminal block into the mating connector on the Dry Contact Input Module.

2 Prepare the bus cable for termination by stripping the outer sheath and individual wires, then wire into the pluggable terminal block.

3 Wire one to four dry contact switches to the module as shown below.

4 The Dry Contact Input Module has a 12V 50mA output capable of powering a motion sensor up to a max distance of 1000 feet (about 300 meters). You can also connect the +12V and GND terminals to a sensor that requires 12VDC.

> **Note:** If using as a sensor, make sure that *Invert Sensor* in the driver proxy is set to the correct state. Some devices have a NO/NC connection, so make sure you are connected to the appropriate terminal on the device.

Operation and configuration

When the device is powered on, the LED on the input module will be blue, indicating that the device has power. Until the input module has been configured into a Control4 system, it will not respond to any closures. To set up this input module for use with a Control4 system, refer to the *Composer Pro User Guide*.

Function	Button press
Identify	4
Reboot	15
Factory reset	9
Unidentify	13

LED indicators

The indicator lights on the Input Module communicate the status of the device.

Indicator	LED color	Status
LED	Green Blue White	Initializing Power on Data transmit

Troubleshooting

If the LED does not light up indicating that the Dry Contact Input Module is receiving power:

- Ensure the Bus Power Supply is powered on.
- Ensure the Bus to Ethernet Gateway is powered on and connected.
- Check for proper wiring (see "Installation Instructions" above).
- For help on the installation or operation of this product, email or call the Control4 Technical Support Center. Provide your exact model number. Contact support@control4.com or see the website *www.control4.com*.

Regulatory/Safety information

To review Regulatory information for your particular Control4 products, see the information located on the Control4 website at: *www.control4.com/regulatory/*.

Patent information

Applicable patents are available at www.control4.com/legal/patents.

Warranty

For complete warranty information, including details on consumer legal rights as well as warranty exclusions, review the Warranty card or visit *www.control4.com/warranty*.