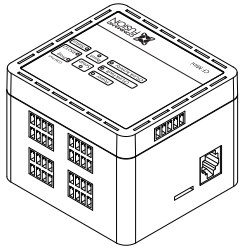
Quick Reference

CF Mini
All-in-one Controller



www.commandfusion.com
Designed Globally
http://cfdev.info

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Specifications are subject to change without notice.

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N29992 RoHS

Overview

The CF Mini is a multi-functional controller with the following features:

- 8 x IR
- 4 x I/O
- 4 x 30V DC Relays
- 1 x RS232/Program
- 1 x CFLink
- 1 x MicroSD Slot

Power

The device can be powered via 9-30V DC (24V DC recommended). Power can be supplied via the CFLink bus or locally using the V+ and V- pins of the CFLink connector.

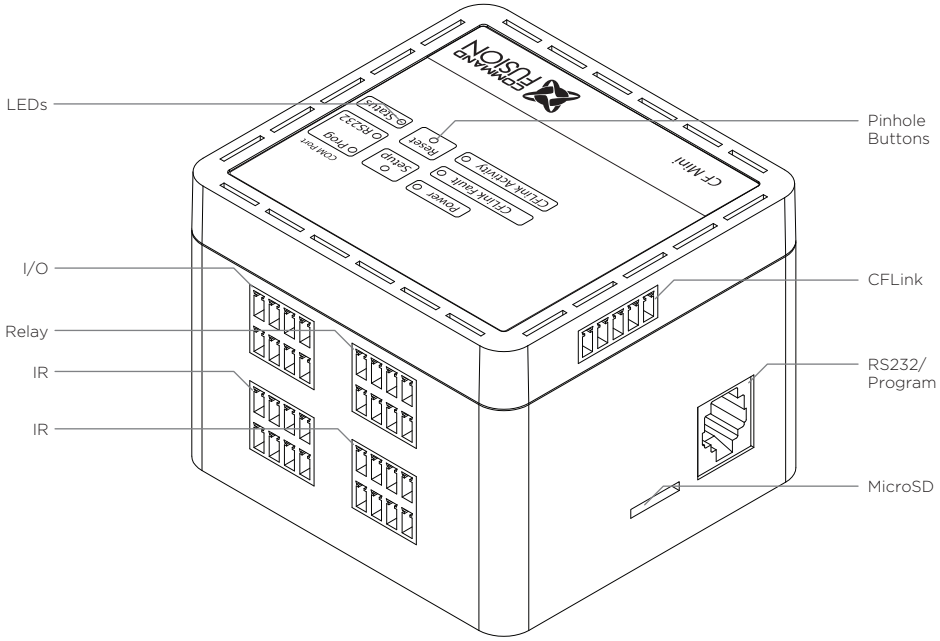
Configuration

To configure CommandFusion hardware on your local network, you need to install System Commander software on your computer. Download it for free from http://downloads.commandfusion.com

After installed, launch System Commander and choose 'Network > Go Online' from the main menu.

Your hardware should be automatically detected. You can then select the device from the list and configure it.

CF Mini Features



Pinhole Buttons

- Setup - Press to toggle on-board RS232 Mode
- Reset - Press to reset the unit.

Ports

CFLink

A 5-wire, peer-to-peer bus used to link multiple CommandFusion hardware devices together. Any 5-core or greater cable can be used, including CAT5/6.

Input/Output

4 x I/O ports, each port can be configured as either:

- Dry Contact Input
- Resistance Reading Input (0 to 10,000 Ohms in 100 Ohm increments)
- Voltage Reading Input (00.0 to 10.0 Volts DC in 0.1 Volt increments)
- Voltage Sensing Input (with adjustable thresholds)
- Video Sensing Input (with adjustable thresholds)
- External Relay Output, 0-24V DC (external power supply required)
- LED Output (5V DC, 1mA)

Relay

4 x 30V DC latching (polarized) relays. Remain in current open or closed state on power loss.

IR

8 x infrared emitter ports. Each port is stackable for up to 3 emitters connected to a single port. On-board IR database included.

RS232

1 x RS232 port. Can be used to program the CF Mini via CFLink protocol or control an external RS232 device.

MicroSD Card Slot

The device contains on-board memory, which can be extended by using a Micro SD memory card. **Do not insert a memory card unless you have reached the limit of on-board memory storage.**

Factory Reset

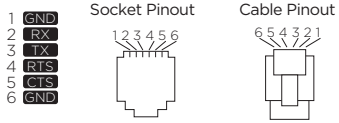
To erase all settings and return the unit to factory default settings do the following:

1. Press and hold both the SETUP and RESET buttons simultaneously for 1 second.
2. Release the RESET button, but continue holding the SETUP button until the power LED begins to flash quickly.
3. Release the SETUP button and the device will reboot with factory settings.

Pinout Diagrams

CFLink

RS232 COM Port (RJ12)

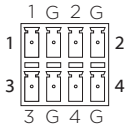


RS232 Adapter

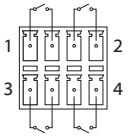
RS232 RJ12 to DB9 Male Adapter

RS232 RJ12 to DB9 Female Adapter

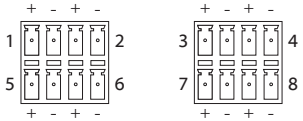
I/O



Relay



IR



Further Information
For further information on getting started see:
http://qs.commandfusion.com