



CF Mini

Miniature integrated controller



CONNECTIVITY

CFLink	Detachable 5-pin 3.81mm terminal block for CFLink BUS
COM	6-pin RJ11 female port for RS232 control of devices; or programming mode which allows both programming and external control of the CFLink BUS devices
IR 1-8	4 detachable 4-pin 3.5mm spring terminal blocks for infrared emitters
I/O 1-4	2 detachable 4-pin 3.5mm spring terminal blocks for GPIO: - Digital input for dry contact inputs - Analog input for 0-10 Volts DC read or 0-10k Ohms read, - Digital output for LED output or external relay control (separate relay power supply required)
Relay 1-4	2 detachable 4-pin 3.5mm spring terminal blocks for latching relays; rated 1A 30 volts AC/DC
MicroSD Slot	Spring-loaded memory expansion slot (card not included)
POWER	
CFLink Power	9-30V DC, 24V DC regulated recommended (power supply is not included)
Power Consumption	4W maximum
TOP PANEL	
Power Indicator	Blue LED indicates power status
CFLink Fault LED	Red LED indicates error on CFLink BUS
CFLink Activity LED	Yellow LED indicates CFLink BUS traffic
Setup Button	Setup button used for factory reset
Reset Button	Reset button restarts the processor
Prog Indicator	Yellow LED indicates RS232 port is used for programming or control of CFLink BUS
RS232 Indicator	Yellow LED indicates RS232 port is used for control of RS232 devices
Status Indicator	Yellow LED indicates status/activity on any of the CF Mini on-board ports (configurable)
PHYSICAL	
Enclosure	Polycarbonate with dark grey matte finish
Height	61mm (2.40in)
Width	81.4mm (3.2in)
Depth	76.4mm (3.0in)
Weight	0.22kg (0.49lbs), Shipping 0.4kg (0.88lbs)
Temperature	5°C to 45°C (41°F to 113°F)
Humidity	20% to 85% RH, non-condensing
Certification	FCC, CE, C-Tick
WARRANTY	
Warranty	5 years limited warranty

SPECIFICATIONS

The CF Mini is a multi-purpose all-in-one controller specifically designed for single room to mid-size installations.

- CFLink BUS device with independent processor and memory
- 1 x RS232 programming or RS232 port
- 8 x IR outputs for wired emitters, with onboard IR library for over 500,000 non-unique codes
- 4 channels of I/O either as digital input, voltage or resistance input read or LED output
- 4 x 30 volts DC 1A latching relay
- MicroSD slot for memory expansion
- Memory used for storage of IR Files and event triggering

Overview

The CF Mini is a powerful, all-in-one controller. It features 8 x IR outputs, 4 x configurable I/O ports, 4 x 30VDC latching relays and one RS232/Program port.

Featuring a variety of control methods in a single box, the CF Mini is perfect for single room installs such as home theatres and boardrooms, as well as distributed systems such as classrooms.

Combine with LAN Bridge

The CF Mini does not feature an Ethernet port. Instead, the CFLink port is used to expand your system with any other CFLink devices. The LAN Bridge is a perfect companion for the CF Mini, for a very affordable single room solution when controlled by a mobile device such as the Apple iPad.

Rules Engine

All CFLink devices, including the CF Mini, support a powerful rule triggering engine. This allows you to trigger macros to run when a specific event occurs - such as reading a specific value via the I/O ports, or on incoming data via the RS232 port. Using the rules engine, you can setup basic or complex automation actions.

On-board IR Database

All IR emitting devices in the CommandFusion range include an on-board IR database, with over 500,000 IR codes built in.