MOD4

Rackmountable 4-slot modular controller

The MOD4 is a modular controller with 4 slots. It can be further expanded via the CFLink BUS.

- **CFLink BUS device with independent processor and memory**
- **1 x RS232 programming or RS232 port**
- **1 x dry-contact input port**
- **4 slots, fits any CF module**
- **MicroSD slot for memory expansion**
- **Memory used for storage of IR Files and event triggering**

CommandFusion (CF) products are designed to simplify control system programming without compromising on functionality. CF hardware integrates easily with its mobile control apps and allows for sophisticated GUI control over any third party device.

Direct control via user interfaces, event-driven automation as well as scheduling (using the LANBridge) are all easily programmed with the free System Commander software. Both CF software and hardware control protocols are fully published, allowing for CF devices to be seamlessly integrated with any other software or hardware.

The CFLink BUS supports more than 100 devices, which already makes for an extremely scalable solution. Further expansion is possible via ethernet, allowing for indefinite expansion.

CFLink

The CFLink BUS is a 5-pin 9-30 volts DC powered bus with an isolated RS485 communication line. Every CFLink device has its own processor and memory, which allows for distributed processing, simplified programming as well as eliminating the reliance on a single processor.

CFLink Cabling

Without taking into account of power loss, standard Cat6 cabling can be used with distances over 1,000m (3,000ft) for individual runs. Cabling topology can be daisy-chain, star or a mix of both.

CONNECTIVITY	
CFLink	2 looped detachable 5-pin 3.81mm terminal block for CFLink BUS
RS232/PGM	9-pin DB9 male port for RS232 control of devices; or programming mode which allows both programming and external control of the CFLink BUS devices via RS232
Input	Detachable, 2-pin 3.50mm terminal block for dry contact input
MicroSD slot	Spring-loaded memory expansion slot
Slot 1-4	Slots for modules to be installed in (sold separately, shipped with 4 blank modules)

POWER	
CFLink Power	9-30V DC, 24V DC regulated recommended (power supply is not included)
Power Consumption	250mW maximum

FRONT 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	Used to start changing the CFLink ID of the unit and also factory reset
Up/Down buttons	Up/Down buttons used to change the CFLink ID when in setup mode
Reset Button	Reset button restarts the processor
COM Port Button	COM port button used to select program or RS232 mode for on-board RS232 port
Program Indicator	Yellow LED indicates on-board RS232 port is used for programming or control of CFLink BUS
RS232 Indicator	Yellow LED indicates on-board RS232 port is used for control of external RS232 devices

PHYSICAL	
Enclosure	Polycarbonate with dark grey matte finish; occupies 12 DIN module spaces (216mm)
Height	90mm (3.54in)
Width	216mm (8.50in)
Depth	60mm (2.36in)
Weight	0.57kg (1.26lbs), Shipping 0.9kg (1.98lbs)
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

Available Modules

MOD-HRY2

Relay module
2 x 250VAC 15A latching (polarized) relays

MOD-RY4

Relay module
4 x 250VAC 5A non-latching normally-open relays

MOD-LRY8

Relay module
8 x 30VDC 1A latching (polarized) relays

MOD-SSRY4

Solid-state relay module
4 x 250VAC 2A non-latching normally-open solid-state relays

MOD-IR8

Infrared module
8 x IR outputs

MOD-IO8

Input/Output module
8 x configurable I/O - dry contact, voltage, resistance, LED output

MOD-COM4

Serial port module
2-4 x configurable RS232/422/485 bi-directional serial ports