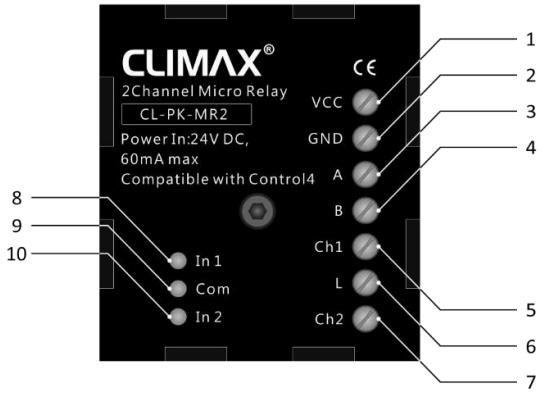
PART DESCRIPTION



C-BUS	1. VCC 2. GND 3. A (Data+) 4. B (Data-)
Outputs	5. Channel 1 6. Line 7. Channel 2
Control	8. Input 1 9. COM 10. Input 2

CLIMAX

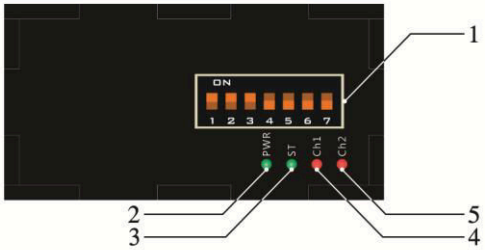
INSTALLATION GUIDE version 1.0.6

2 Channel Micro Relay (CL-PK-MR2)

Product Specification

Input Voltage	*18V-24V DC (24V DC is recommended)*	
Input Current	*45 mA -60 mA*	
Load Type	*2 x4A Relay (Approx. 800 watt per channel–for resistive load)*	
I/O Connections	*C-BUS*	*4 x Rising-cage 5mm screw terminals*
	Output	*2 channel x Rising-cage 5mm screw terminals*
	Input	*2 channel control input*

PART DESCRIPTION



1. Address selector switch
2. Power LED
3. Status LED
4. Channel 1 LED
5. Channel 2 LED

MOUNTING

Junction Box

Climax 2 Channel Micro Relay is designed basically to be installed in a junction box behind a two channel contact Keypad. The product size must be considered when applying it in junction boxes.

Product Size: 50L X 44W X 25.7H (mm)

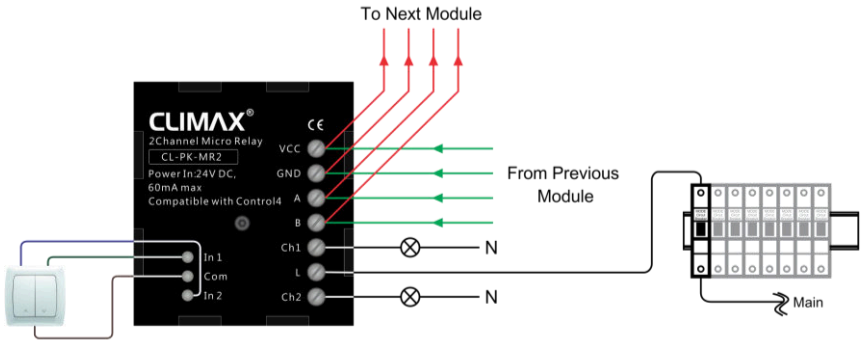
Screw Mounting

Screw the 2 Channel Micro Relay to any surface through 2 side screw holes.

For screw mounting following part number must be used:
CL-PK-MR2-S

WIRING 1

Follow the diagram below in order to apply right input/output and connect modules to each other.



Before wiring the device, always unplug the main power.

Before adding a new module on the C-Bus, ensure the previous module has a valid address and is working properly.

In case of using capacitive or inductive loads, permissible current is less than normal mode (resistive load) depending on load condition.

SETUP & PROGRAMMING

Change Device Address

The device address can be set from 0 to 31 by mean of a dip switch called “address selector switch”. Before changing address the main power must be disconnected. The address must be defined in binary. For instance for setting address to “21” the address selector switch must be as bellow:

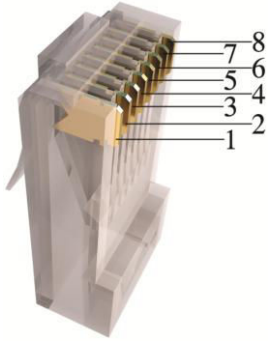
Never set the address to 0 and 1 as 0 is not valid in C-Bus protocol and 1 is always dedicated for RS-232 GatewayPro module. Check all C-Bus modules address to avoid repetitive address allocation.

Channel Toggling

Each channel can be toggled by connecting/disconnecting COM & corresponding input on control pins.

WIRING 2

Use following instruction to connect module on C-Bus with Cat6 cable:



Color	Color Name	Pin	C-Bus
	Orange/White	1	A(DATA+)
	Orange	2	B(DATA-)
	Green/White	3	TXD*
	Blue	4	RXD*
	Blue/White	5	GND
	Green	6	GND
	Brown/White	7	VCC
	Brown	8	VCC

* TXD & RXD will be used only in direct mode application of module.

SETUP & PROGRAMMING

Module LED’s

Upon connecting the main power, the green Power LED will start flashing.

The green Status LED flashes any time a valid data packet received to the micro relay.

In case of receiving invalid data packet in C-Bus connections, the Status LED will turn on for 5 seconds.

At the time of connecting modules to each other Status LEDs might be turned on for 5 seconds while it must not be considered as an error.