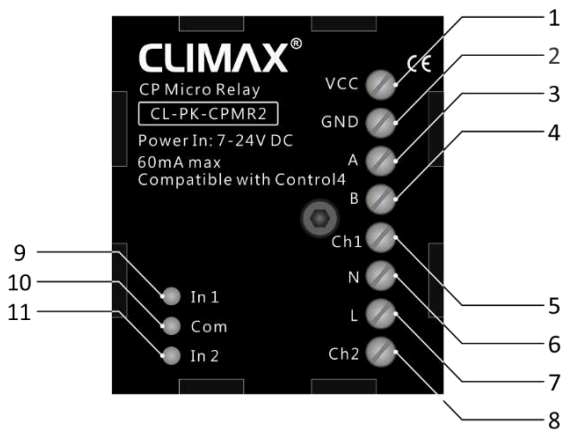
PART DESCRIPTION



C-Bus	1. VCC 2. GND 3. A (Data+) 4. B (Data-)
Power	5. Channel 1 6. Neutral 7. Line 8. Channel 2
Control	9. Input 1 10. COM 11. Input 2

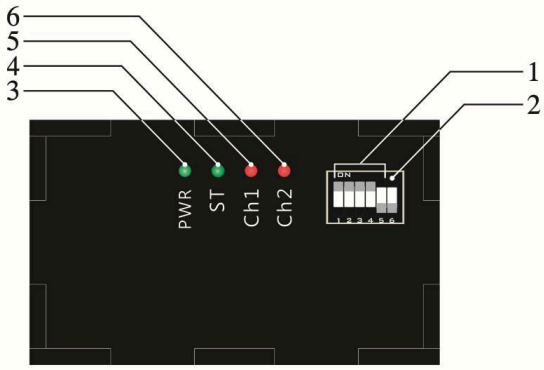
CLIMAX

INSTALLATION GUIDE version 1.0.4

CP Micro Relay (CL-PK-CPMR2)

Product Specification	*Input Voltage*	*7V-24V DC (24V DC is recommended)*	
	Input Current	*50 mA -120 mA*	
	Load Type	*2 x3A Relay (Approx. 700 watt per channel–for resistive or capacitive load)*	
	I/O Connections	*C-BUS*	*4 x Rising-cage 5mm screw terminals*
		Power Control	*220V-240V AC-50Hz (in Capacitive mode)*
			2 channel control input

PART DESCRIPTION



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

MOUNTING

Junction Box

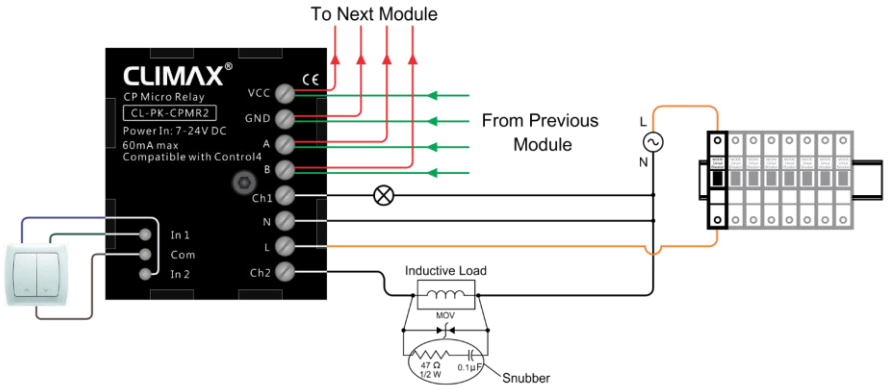
Climax CP Micro Relay is designed basically to be installed in a junction box behind a two channel contact Keypad.
The product size must be considered when applying it in junction boxes.
Product Size: 50.0L X 44.0W X 29.5H (mm)

Screw Mounting

Screw the CP Micro Relay to any surface through 2 side screw holes.
For screw mounting following part number must be used:
CL-PK-CPMR2-S

WIRING 1

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



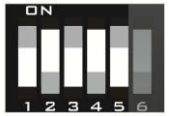
⚠ **Before wiring the device, always unplug the main power.**

⚠ **In case of using inductive loads, apply a snubber as depicted in above diagram.**

SETUP & PROGRAMMING

Change Device Address

The device address can be set from 2 to 31 by switches no. 1 to 5 of dip-switch (address selector switches). Before changing address the main power must be disconnected. The address must be defined in binary. For instance to set the address to "21" the address selector switches must be as bellow:



⚠ **Never set the address to 0 or 1 (1 is reserved for Climax RS-232 GatewayPro).**

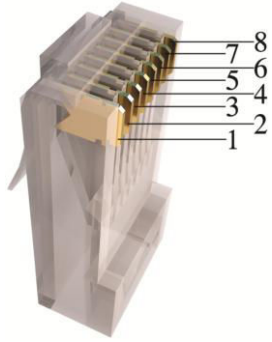
⚠ **Before adding a new module on the C-Bus, ensure the previous module has a valid address and is working properly. Avoid repetitive address allocation.**

Operating Control Inputs

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:



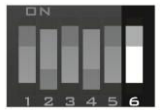
Color	Color Name	Pin	C-Bus
	Orange/White	1	A(DATA+)
	Orange	2	B(DATA-)
	Green/White	3	TXD*
	Blue	4	RXD*
	Blue/White	5	GND
	Green	6	GND
	Brown/White	7	VCC
	Brown	8	VCC

* TXD & RXD will be used in direct mode application of module or in case of using long cable, for GND & VCC respectively.

SETUP & PROGRAMMING

Changing Device Mode

To connect capacitive loads, the module must be set to "Capacitive Protected Mode" by Pulling up the Mode selector switch.



When the Mode selector switch is positioned up, the module will work only if 220V phase & neutral is connected to the module. If any of these two connections fails, the Channel LEDs will illuminate with proper feedbacks but the relays will not work.

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.