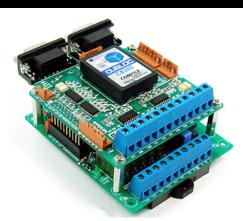
COMFILE Technology

www.ComfileTech.com

CUSB-14R User's Manual



Thank you for your purchase from Comfile Technology

Before making use of this produce please be sure to read and observe all safety precautions.

◆ Safety Precautions

Please be sure to observe all safety precautions to avoid accident or injury.

** The following precautions are separated into "Warning" and "Caution", and are defined as follows.

Warning: Failure to adhere to this precaution could result in personal injury or death. **Caution:** Failure to adhere to this precaution could result in minor injury or property damage.

Symbols used in this document have the following meanings Danger and potential for serious injury.

Warning

- 1. For instruments with risk to life or property (e.g. nuclear power control, medical equipment, vehicles, railways, aviation, combustion equipment, recreation equipment, safety devices, etc.), always employ adequate fail—safe mechanisms.
- Risk of fire, personal injury, and/or property damage.
- 2. Always mount to a panel.
- Risk of electric shock.
- 3. Do not attempt to repair, inspect, or wire while power is applied.
- Risk of electric shock.
- 4. Do not attempt to alter or repair. Refer to a qualified technician.
- Risk of electric shock.
- 5. Confirm all electrical connections
- Risk of fire

Caution

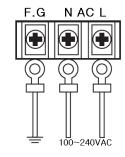
- 1. Do not use outdoors.
- Risk of electric shock and shortening of product's life.
- 2. Always use the product within its specifications and ratings.
- Risk of fire and shortening of product's life.
- 3. Do not exceed ratings of relay switching contacts.
- Risk of device failure, melting of contacts, broken relays, fire, and other problems.
- 4. Do not use in environments flammable or explosive materials, moisture, direct sunlight, radiation, vibration and/or shock.
- Risk of fire and/or electric shock.
- 5. Keep product free of dust and debris.
- Risk of fire and/or damage to property
- 6. Make connections correctly and confirm polarity by measuring the appropriate terminals
- Risk of fire and/or explosion

Specifications

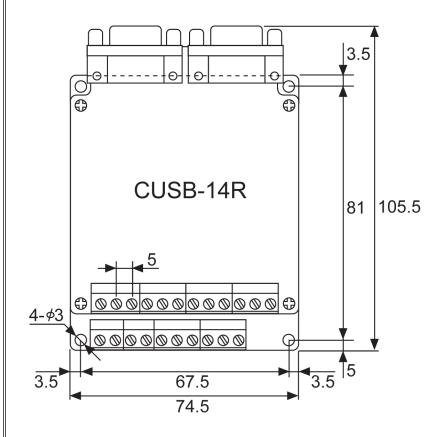
MODEL	CUSB-14R
Input Power Voltage	100~240VAC
	(Universal Input 85V~264VAC)
Input Power Current	100VAC/33mA, 200VAC/26mA
Internal Output Power	5V/300mA, 24V/200mA
Application CPU	CB280
Program Memory	80KB
Data Memory	BASIC: 2KB / LADDER: 1KB
EEPROM Memory	4KB
Digital Input Port	Opto-Isolated Input and Output (+/- Nonpolar)
D/I Voltage-Current	9V~26VDC / Min10mA
D/I Port Numbers	9 Point
Analog Input Port	6 Point CN15 (Input Voltage 5V)
High Count Port	None
Key Board Port	4 Point (Application of Keypad)
Digital Output Port	6 Point
D/O Voltage-Current	0~250VAC/5A , 0~30VDC / 5A
D/O Port Numbers	6 Point
PWM Output	6CH
Insulation-Resistance	Input-Output: DC500V, 1Min
	100MΩ Cutoff Current 10mA
	Input-FG: DC500V, 100MΩ, 1Min
	Cutoff Current 10mA Input-Output: AC 2000V 1Min Cutoff Current
	10mA
	DC500V 100MΩ
Withstanding-Voltage	Input-FG: AC 1500V 1Min Cutoff Current 10mA,
	DC500V 100MΩ
	Output-FG: AC 500V 1Min Cutoff Current 10mA, DC500V 100MΩ
Vibration	10~50Hz at 2G 3 minutes period, 30 minutes
, izidiicii	along X,Y and Z axis
Impact	10G for 20mS, Once on each
	X,Y and Z axis
Operating Temperature	-10℃~50℃
Humidity	10%~95% RH
Communication	(Without freezing) RS232
Size & Weight	74.5 x 105.5 x 37mm, 196g
Size & Weight	74.5 X 105.5 X 5/111111, 1909

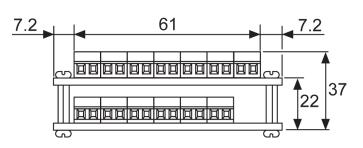
◆ Power Connections

- 1. Use at least 0.75mm diameter wires for power and at least 1.25mm diameter for ground.
- 2. If possible, use crimped flat-type terminal connectors.
- 3. Do not connect power while power is on.
- 4. Path to ground should be less than 100Ω and all equipment should be individually grounded.



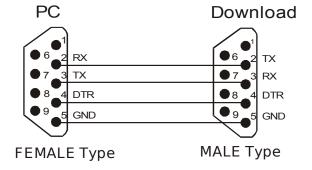
◆ Dimensions (mm)





◆ Download Cable Connection

Interface	RS-232
Baud Rate	2400 ~ 230400 (115200 when downloading)
Duplex	Full Duplex
Transmission Distance	15m
Transmission Code	Binary
Transmission Format	Top Bits: 1, Parity: None, Data Bits: 8
Transmission Sequence	According to RS232C
Connection	D-Sub 9-pin



[Download Wiring Diagram]

