

KH702 Wireless Communication Converter

Application

KH702 wireless communication converter can achieve USB port to wireless communication or RS485 port to wireless communication, widely used in wireless check meter, industrial data acquisition, pan-tilt control and etc area, such as for data control and data copy in meters of water, electricity and gas, entrance guard access record, building control, goods yard logistics, burglar alarm, intelligent instrument and meters, automatic control, intelligent home etc area.

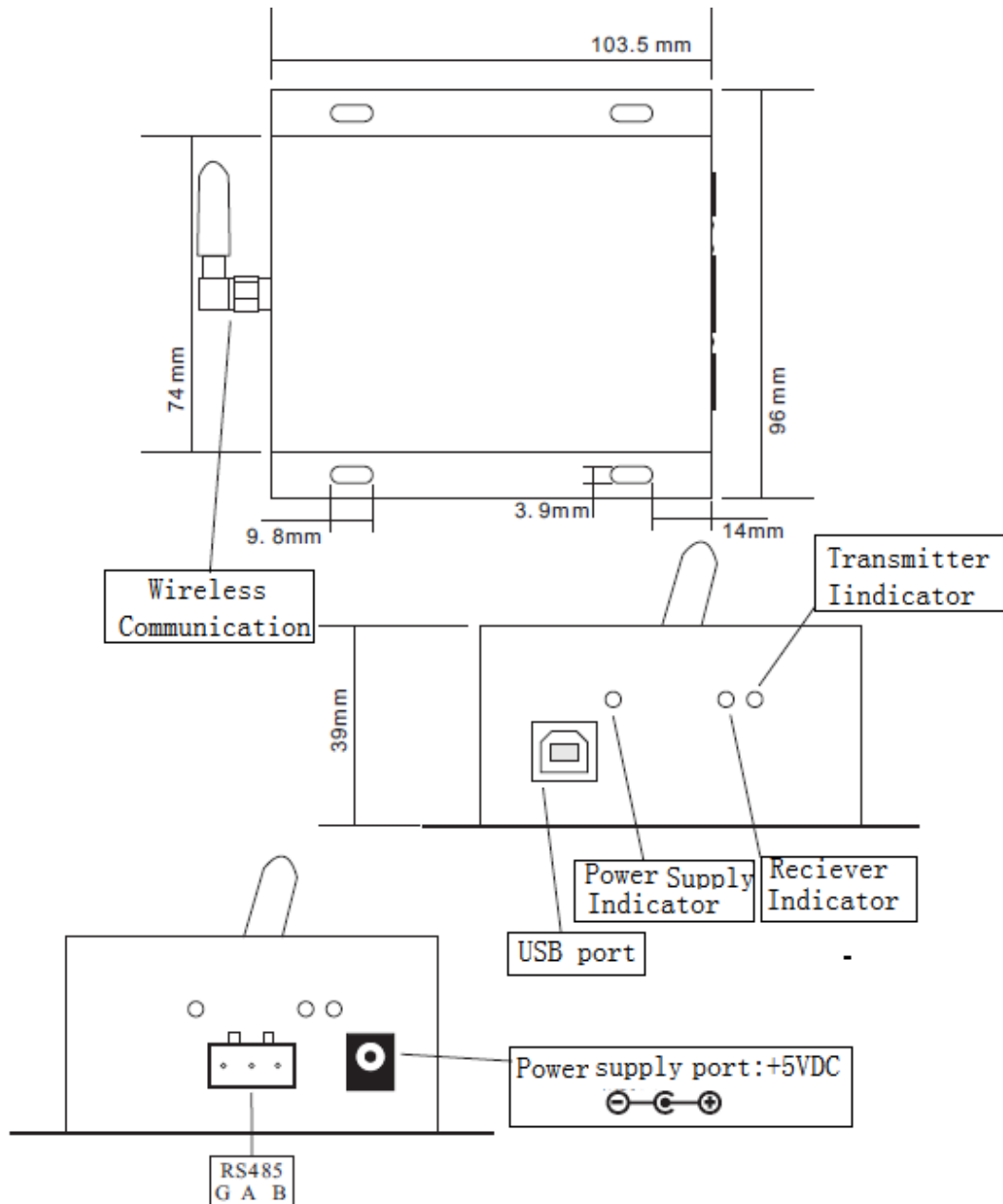
Feature

USB port to Wireless Communication	USB port is for power supply and also transmitting data, directly plug to USB port of PC or notebook, plug and play, supporting standard MODBUS-RTU protocol
RS485 port to Wireless Communication	Standard RS485communication port, communication with intelligent equipment and transfer to wireless communication, supporting standard MODBUS-RTU protocol (External 5VDC power supply adaptor is needed)
Wireless transmission type	Wireless communication networks can be achieved through current 220V electricity network, supporting standard MODBUS-RTU protocol. Transmitting distance can be up to 1500m without obstacle in open area, with 422MHZ carrier frequency, without application for ISM frequency band, supporting multi-signals, without interferes with multi-modules transmission.
Built-in Protection	Built-in anti-lightning and anti- electrostatic protection; automatic identify the data direction control,; transmitter and receiver in a unit, semiduplex, automatically finish data transmitting and receiving.
Working Frequency	Carrier frequency: 433MHZ, no needing to apply for ISM frequency band; supporting multi-signal channels, there is no interfere if multi-modules transmission at the same time
Transmission Distance	Transmission distance can be up to 1500meters without obstacle; strong penetration (about 6-10 floors)
Various Communication type	Point to point communication, point to multi-point communication, multi-point to point communication
Transparent Transmission	Transparent data transmission, can transmit long data frames
Standard	FCC, ETSI standard

Specification

Communication port	USB /RS485 wireless communication
Communication rate	9600 default
Signal channels no.	8(can be expand to 16 if required)
Transmit &Receive time	<10ms
Working frequency	433MHZ, no need to apply for ISM frequency band
Data format	8NI default (8 data bit, 1stop bit)
Indicator	Supporting RSSI indicating, there is LED indicating for transmitting and receiving
Installation type	Wall or desktop installation.
Size	103.5x96x39mm (LxWxH)
Power consumption	<1.0W
Working temperature	-25 to 75°C
Storage temperature	-40to 85°C
Relative humidity	5%-90%,no dew

Installation and Diagram



Order Code

Function	Code									Description
Model	KH702									KH702 Wireless Communication Converter
Communication	R									RS485 port to wireless communication (Carrier frequency 433HZ, not needing applying for ISM frequency band, External Power supply: +5VDC is available)
	U									USB port to wireless communication (Carrier frequency 433HZ, not needing applying for ISM frequency band)
Register Address Description										
Inner Register Address	Data type	Data Description	Value Range			Allowed Limit				
0x80080	Word	Sensor address	0-252			0x03/0x06				
0x0081		Baud rate	0=2400 1=4800 2=9600 3=19200			0x03/0x06				
0x0088		Even -old check	0=Null , 1=EvEn , 2=Odd			0x03/0x06				

Note:

Reading function code: 0x03, writing function code: 0x06, continuous writing and reading function code: 0x10, communication address: broadcast address: 255, universal address: 254 (used for setting converter parameters), reserved address: 253

Read instruction manual before using the product

Information in the catalog is subject to change without notice.

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