

Concentrator

Transformation from Mbus to RS485/RS232



DESCRIPTION

Mbus concentrator is used to transfer data between different network interfaces or protocols (Mbus/Modbus). It solves the communication networking between Mbus devices and other devices with interface such as RS232/RS485, and make it possible for the meter to connect to the meter-reading master with different interfaces and protocols.

All meters that assemble with Mbus can be connected to this concentrator and communicate. The exciting bus detecting function protects the device from short circuit and overload, and it can recover working after the fault cleared.

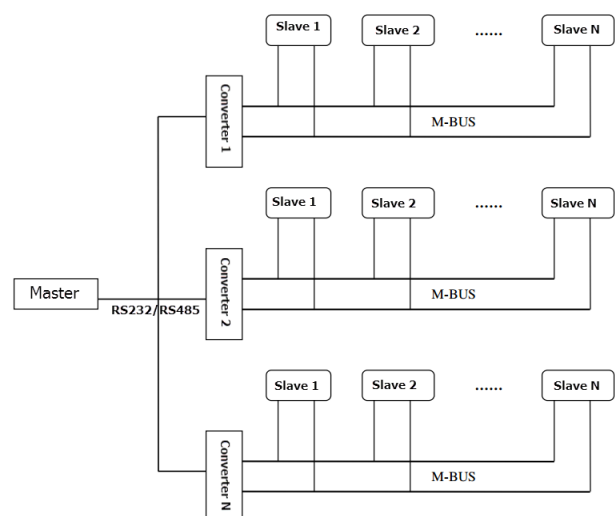
FEATURES

- » Working Voltage: 12V DC, 1.5A or 24V DC, 1.5A
- » Baud Rate: 300...9600bps
- » Voltage of Bus: 36V
- » Upward Interface: RS485/RS232, optoelectronic isolation
- » Downward Interface: Mbus
- » Mbus Communication Distance: 1000m
- » LED: Power, Communication, Over load alarm
- » Dimensions: 72*109*59mm/107*95*59mm
- » Installation: 35mm DIN Rail
- » Working Temperature: -30°C...+80°C
- » Humidity: 5%...95%, no condensation
- » Non-polar two wire Mbus communication
- » Short Circuit Protection

LOAD QUANTITY

- Mbus Concentrator: 60, 120, 256
- Mbus to Modbus Converter: 10, 60

ARCHITECTURE



Wiring Connection Illustration

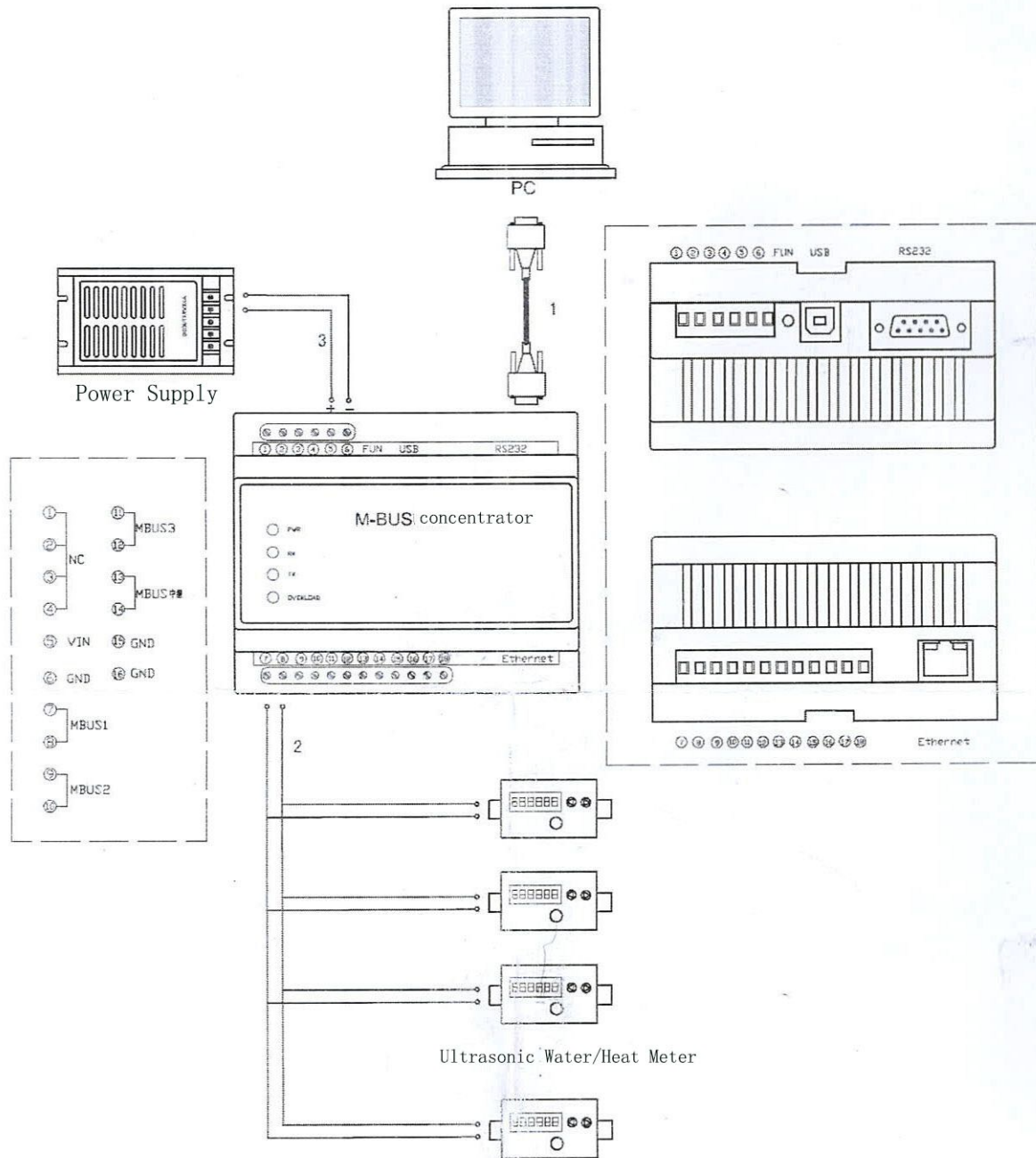


Illustration	
1	Concentrator combines with PC by serial port directly.
2	Concentrator's mbus1, mbus2 and mbus3 port can be connected with meters. Mbus wire doesn't need to recognize the positive and negative ends.
3	Prepare the switch power according to the specification of the power needed by the concentrator.
Remark	<p>1.The RS232 and RS485 ports can't work at the same time. Please choose one port when working.</p> <p>2.The working voltage of the concentrator at DC24V and DC12V can't be supported at the same time. Please choose one voltage when working.</p> <p>3.The meters' quantity connected with Mbus1, Mbus2 and Mbus3 can not overload. The max meter quantity is instructed on the marking of concentrator.</p>