M-BUS Concentrator

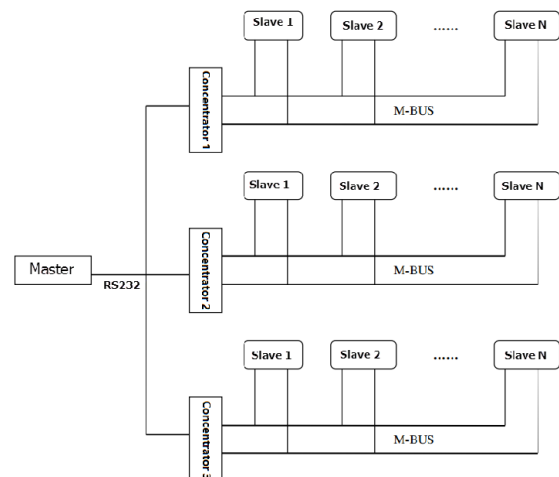![Joymeter — Better Energy Control]

DESCRIPTION

M-bus concentrator is used to transfer data between different network interfaces or protocols. It solves the communication networking between M-bus devices and other devices with interface such as RS232, and make it possible for the meter to connect to the meter-reading system with different interfaces and protocols.

All meters that assemble with M-bus interface 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

» Baud Rate: 2400bps

» Voltage of Bus: 36V

» Load Capacity: 120, 240

» Uplink Interface: RS232

» Downlink Interface: M-bus

» M-bus Communication Distance: 1000m

» LED: Power, Communication, Over load alarm

» Dimensions: 72*109*59mm/107*95*59mm

» Installation: 35mm DIN Rail

» Working Temperature: -30℃…+80℃

» Humidity: 5%...95%, no condensation

» Non-polar two wire M-bus communication

» Short Circuit Protection

ARCHITECTURE

Wiring Connection Illustration

M-bus to RS232
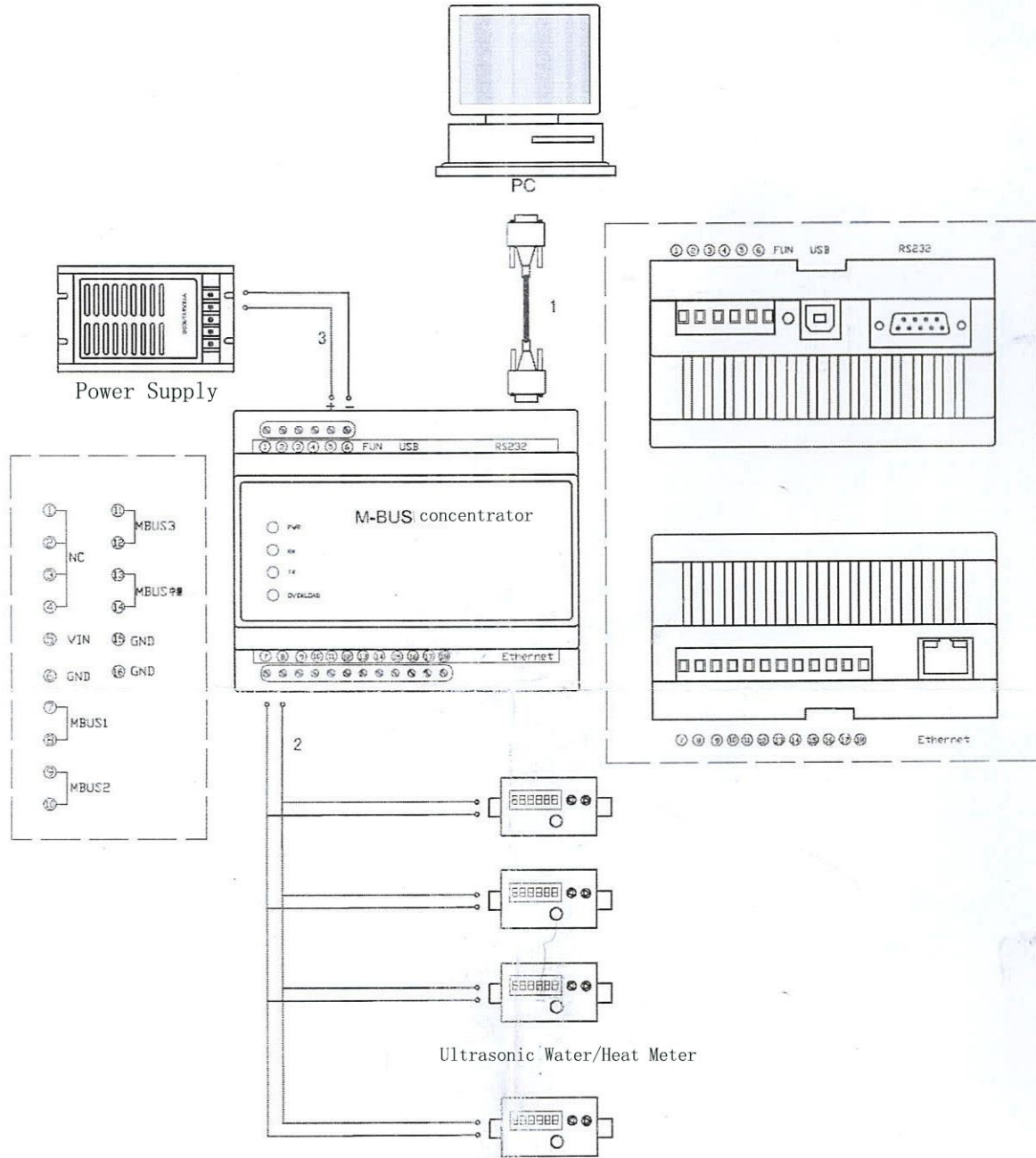

Power Supply

M-BUS concentrator

Ultrasonic Water/Heat Meter

PC

Illustration	
1	Concentrator combines with PC by serial port directly.
2	Concentrator's mbus1, mbus2 and mbus3 port can be connected with meters. M-bus 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	1.The meters' quantity connected with Mbus1, Mbus2 and Mbus3 can not overload.

ENJOY METER , ENJOY GREEN TECH