MBUS 10

RS232 TO MBUS LEVEL CONVERTER

- RS232 to MBus level conversion
- Maximum 10 MBus slaves
- Baud Rate: 300 to 19200 bps
- RS232 – MBus opto isolation
- Over-current and short-circuit protection on the M-Bus
- LED display for power and data transmission
- Power supply: 10 ~ 30 Vdc.
- Rail mounting

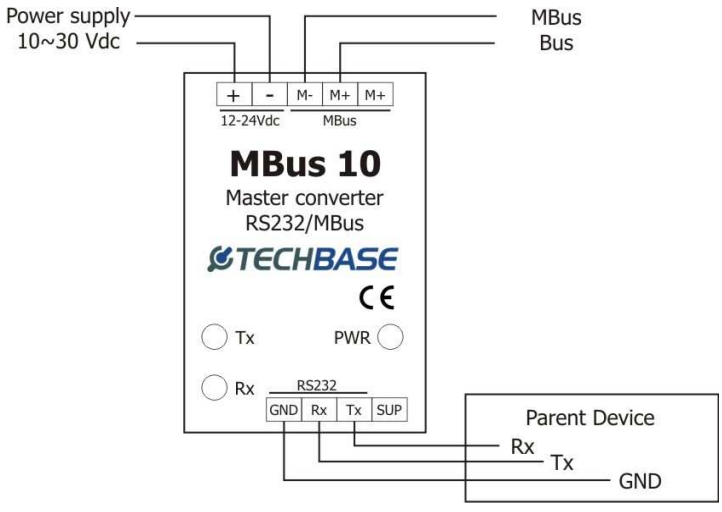
MBus 10

APPLICATION

MBus 10 converter is a transparent converter from RS232 to MBus interface. On MBus side it works as MBus master and enable to connect maximum 10 standard MBus receivers (slaves). It can be used with all devices equipped with MBus interface like: heating energy meters, electric energy meters, data recorders and many others with MBus interface. MBus 10 can successfully replace PW3 Relay M-Bus level converter or any other M-Bus master converter.

MBus 10 converter is equipped with TX, RX and Power supply LED indicators. There are screw terminal block connectors on Power supply and MBus (5 pin) and RS232 (4 pin) side for connection.

Below picture presents connection diagram of MBus 10 converter:



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Type: MBus 10

Hardware:

- Transparent conversion from RS232 to MBus master.
- LED Indicators: Tx, Rx, power supply.

Interface:

- Baud Rate: 300 ~ 19200 bps.
- RS232: TxD, RxD, GND.
- MBus: M+, M- configuration.
  Maximum M-Bus receivers: 10 (MBus slave).
  Surge Protection / Over Voltage Protection M-Bus Interface : 43V 600W/1ms.
- Opto Isolation:
  RS232~MBus – 100 V AC/DC.
  RS232~Power Supply – 100 V AC/DC.
  Power supply~MBus – none.

Operating Conditions:

- Power Input: 10 ~ 30 Vdc. Maximum power consumption: 7W.
- Operating temperature: 0 ~ 60°C.
- Storage temperature: -20 ~ 85°C.
- Humidity: 5 ~ 95%RH (without condensation).
- Dimensions: 32x89x63 mm.

Certification:

- CE (EN 55022:1998 Class A, EN 61000-3-2:2000, EN 61000-3-3:1995, EN 55024:1998).

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