

**MBI02**



- DIN rail mounted, Easy installation
- Industrial design and Tropicalised
- Polycarbonate, self extinguishing.
- Rugged housing-non combustible, ABS plastic-heat resistance.
- LED Display of Power, Transmission Data and Receive data.
- Built in supply, NO external adaptor.
- Auto speed and auto data direction.

**USB485**



- Small size, Easy installation
- Tropicalised and industrial design
- Polycarbonate, self extinguishing.
- Rugged housing-non combustible, ABS plastic-heat resistance.
- No Need External Power Supply.
- Auto speed and auto data direction.
- Distance upto 1800m, Speed 115200bps.
- Automatic data control, auto distinguish and auto direction.

**MBI02 \_\_\_\_\_ RS485 to RS232 Converter**

The MBI02 are designed to implement remote serial data communications, in both 2-wire (RS485, half-duplex) or 4-wire (RS422, full-duplex) applications. Point-to-point and/or multi-drop networks can be constructed. The unit can communicate network at distances up to 4000 ft. (1250 meters) and at data rates up to 38.5kbps. and limited slew rate drivers/receivers eliminate many problems concerning termination. Our design uses the shield cable pair of conductors for Tx/Rx data in 2-wire systems. In 4-wire systems The MBI02 can operate in: two-wire half-duplex systems, four-wire half-duplex, or full-duplex systems. The MBI02 can also operate as a four-wire to two-wire converter.

**Mechanical Design**

|                     |   |
|---------------------|---|
| Housing Material    | Polycarbonate, self-extinguishing                                       |
| Mounting Fasteners  | Standard type screw clamp   |
| Terminals           | Screw terminals. Screws can be turned with standard screw drivers tool. |
| Contact Protection  | Finger-safe full cover included   |
| Dimensions / Weight | 71 x 90 x 58 mm / 450 Gram.   |
| Power Supply        | 220V ac 0.5 W   |

**Ambient Conditions**

|                       |                  |
|-----------------------|------------------|
| Operating Temperature | - 20 ... + 70 °C |
| Storage Temperature   | - 40 ... + 80 °C |
| Relative Humidity     | max. 95%         |
| Frequency             | 45...65Hz.       |

**Compliance with Regulations**

|                   |                                  |
|-------------------|----------------------------------|
| Protection        | IP 52 front panel, Terminal IP20 |
| Protection        | Class 1                          |
| Isolation         | 2,000 volts RMS for 1 minute.    |
| Surge Suppression | 6.5V working peak voltage        |

**USB485 \_\_\_\_\_ RS485 to USB Converter**

The USB485 are designed to implement remote serial data communications, in 2-wire RS485, half-duplex applications. Point-to-point and/or multi-drop networks can be constructed. The communication network distances up to 5760ft or 1800 meters and data rates up to 115200bps. Our design uses the shield cable pair of conductors for Tx/Rx data in 2-wire systems. The USB485 can also operate as a two-wire to two-wire converter.

**Mechanical Design**

|                     |  |
|---------------------|--|
| Housing Material    | Polycarbonate, self-extinguishing  |
| Mounting Fasteners  | Standard type screw clamp  |
| Terminals           | Screw terminals. Screws can be turned with standard screw driver's tool. |
| Contact Protection  | Finger-safe full cover included  |
| Dimensions / Weight | 70 x 35 x 20 mm / 70 Gram.   |
| Power Supply        | NO External Supply   |

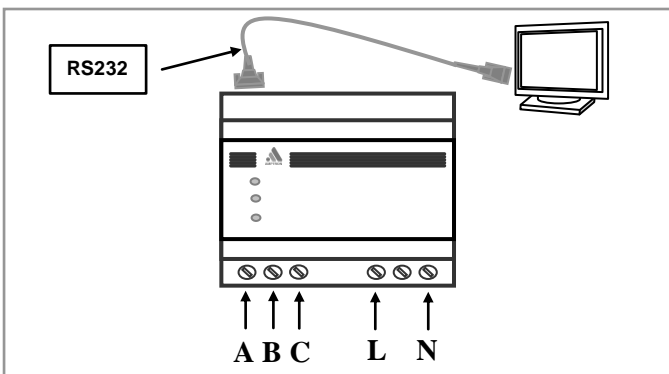
**Ambient Conditions**

|                       |                  |
|-----------------------|------------------|
| Operating Temperature | - 20 ... + 70 °C |
| Storage Temperature   | - 40 ... + 85 °C |
| Relative Humidity     | max. 95%         |
| Frequency             | 45...65Hz.       |

**Compliance with Regulations**

|                  |   |
|------------------|---|
| Standard comply  | USB1.1, EIA RS-485, RS-422 standard                           |
| Protection       | IP 52 front panel, Terminal IP20                              |
| Protection       | Class 1   |
| Isolation        | 2,000 volts RMS for 1 minute.                                 |
| Surge protection | 15KV static electricity protection                            |
| Interface type   | USB side type A interface female, RS-485 are terminal blocks. |

**- RS232 to RS485 converter Aux220Vac or 110VAC**



**Ordering USB 485**

**- USB to 485 converter model USB485**

