



APP D485M / D485S devices kit enable fully transparent, two-way transmission of asynchronous data stream, in accordance with V.11 RS-485, 2-wire electrical interface, up to 115 kbps bit rate via fiber optic. The converter cooperates with others analog, fiber optic parts of Brabancja 2000 system.

The devices come in multi-mode versions enable transmission in 850 and 1300 nm windows as well as in single-mode version enables transmission in 1310 nm window via 2 fiber optics.

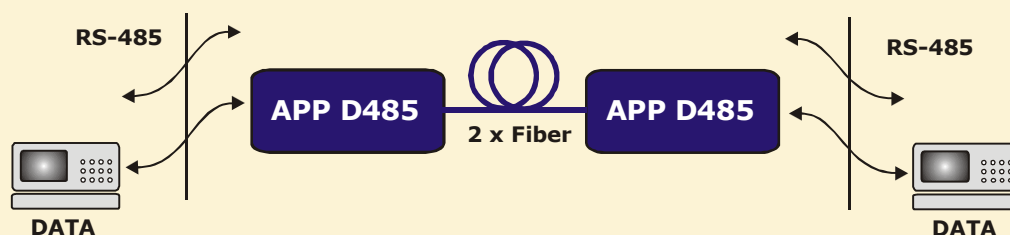
Stand-alone APP D485 is equipped with 4-position dip switch enables to match the device with RS-485 data bus and to carry out link test of the proper optic connection.

The devices are offered as a stand-alone with the possibility to install on the DIN TS-35 rail and as a card mounted in 19" APP MidIRACK 10 rack.

- **RS-485 data**
- **2 MM or SM fibers**
- **data bus configuration**
- **link test**
- **DIN TS-35 rail assembly**



Application diagram:



Technical parameters:**V.11 interface:**

| | |
|-----------------------|---------------------------|
| number of channels: | 1 two-way |
| data format: | asynchronous, serial |
| electrical interface: | V.11, transparent, 2-wire |
| data rate: | 115 kbps |

Optical interface:

| | |
|--------------------|---|
| optical medium: | 50/125 μm , 62,5/125 μm , 9/125 μm |
| output wavelength: | 850 nm, 1300 nm, 1310 nm |
| connector type: | ST, FC |

Operating temperature range: - 30 do + 60 °C

Power supply: 8 - 15 VDC

Dimensions: 30 x 60 x 40 mm

Housing: clear anodised aluminium

Device versions:

| Multi-mode system (MM) | | | |
|--------------------------------|---------|-------------------------|-------------|
| APP D485M | 1 x D ↔ | LED/PIN 850 nm, 2 x MM | up to 4 km |
| APP D485TRM* | 1 x D ↔ | LED/PIN 850 nm, 2 x MM | up to 4 km |
| APP D485M13 | 1 x D ↔ | LED/PIN 1300 nm, 2 x MM | up to 10 km |
| APP D485TRM13* | 1 x D ↔ | LED/PIN 1300 nm, 2 x MM | up to 10 km |
| Single-mode system (SM) | | | |
| APP D485S | 1 x D ↔ | LD/PIN 1310 nm, 2 x SM | up to 40 km |
| APP D485TRMS* | 1 x D ↔ | LD/PIN 1310 nm, 2 x SM | up to 40 km |

* - module to APP MidiRACK 10 rack