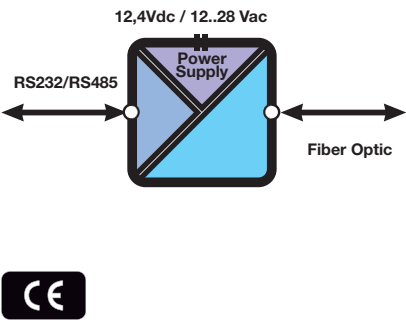




# Z107F0

## OPTICAL FIBER ↔ SERIAL (RS232/RS485) CONVERTER



Z107F0 is a RS232 and RS485 signal repeater through optical fiber.  
The device can be used to increase a number of nodes connection into the same logical bus, and its length can be extended up to 2 Km.

### TECHNICAL SPECIFICATIONS

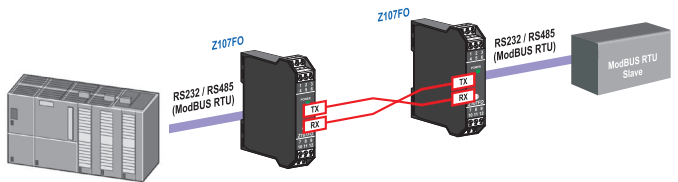
#### General Data

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Power supply          | 12,4 Vdc, 12..28 Vac (50..60 Hz)                                   |
| Power Consumption     | 1,2 W                                                              |
| Status Indicator      | Serial Communication and optical fiber status                      |
| Operating Temperature | -30..+60 °C                                                        |
| Storage Temperature   | -30..+85 °C                                                        |
| Humidity              | 30..90% non condensing                                             |
| Dimension (W x H x D) | 17,5 x 100 x 112 mm                                                |
| Weight                | 140 g                                                              |
| Enclosure             | PBT, black                                                         |
| Mounting              | 35 mm DIN rail guide                                               |
| Settings              | DIP-switch (baud rate, parity, serial port, bit stop, termination) |
| Conformity            | CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1, EN 60742               |

#### Communication Ports

|               |                                                                                       |
|---------------|---------------------------------------------------------------------------------------|
| RS232         | DB9F connector (COM)                                                                  |
| RS485 / CAN   | Removable terminal block<br>IDC10 back connector for Z-PC DIN backplane<br>DB9F (COM) |
| Ethernet      |                                                                                       |
| Optical Fiber | Multimodal mode (62,5/125 or 50/125 µm)<br>Frontal connector ST/ST                    |
| Speed         | From 1.200 to 115.200 bps                                                             |
| Delay Time    | 160 – 240 ms (9.600 bps)<br>145 – 155 ms (115.200 bps)                                |

### APPLICATION NOTE



### ORDER CODES

| Code   | Description                                                           |
|--------|-----------------------------------------------------------------------|
| Z107F0 | Optical fiber ↔ serial (RS232/RS485) converter, 12..40 Vdc 12..28 Vac |

### ACCESSORIES & SOFTWARE



**Z-PC F0**  
Fiber Optic cable with ST/ST connectors, L=2 m

### SIMILAR PRODUCTS



**ZC-107F0**  
Fiber optic ↔ CAN repeater converter  
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