

Z-PC LINE COMMUNICATION DEVICES

Z107FO

Fiber Optic ↔ RS232 / RS485 serial converter



CE

Power Supply
Serial ports :

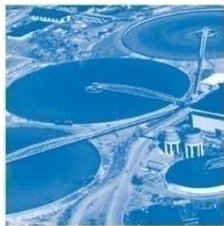
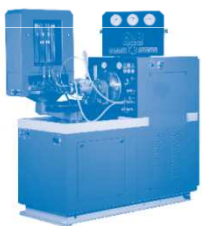
12..40 Vdc or 12..28 Vac (50-60 Hz)
RS232 (DB9-F connector), RS485 IDC 10 connector or terminal blocks

Max Baud rate:
Max Distance:

115.200 bps
2 km

Fiber Optic :
Operating Temperature:
Dimensions:

Multimodal (62,5/125 o 50/125 μ m), ST – ST connectors
-30..+60°C
17,5 x 100 x 112 mm (w x h x d)



➔ For further information, please visit www.seneca.it

Z107FO

Fiber Optic ↔ RS232 | RS485 serial converter



ORDER CODE

Model	Z107FO	Fiber Optic ↔ RS232 / RS485 serial converter
Accessories	Z-PC FO	Fiber Optic cable with ST/ST connectors, L=2 m
	Z-PC DIN	Backplane connectors

TECHNICAL SPECIFICATIONS

GENERAL FEATURES

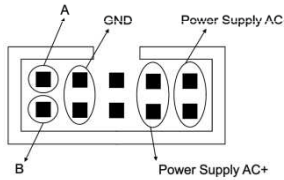
Power Supply	12..40 Vdc, 12..28 Vac (50-60 Hz)
Consumption	1,2 W
Status indicators	Serial communication state, fiber optic state
Operating temperature	-30..+60 °C
Storage temperature	-30..+85 °C
Humidity	30..90% not condensing
Dimensions	17,5 x 100 x 112 mm (w x h x d)
Weight	140 g
Enclosure	PBT, black
Configuration	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

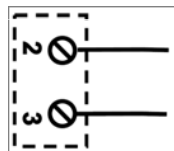
RS232	DB9-F (COM) connector
RS485	Screw terminal block, Back connectors IDC10 for DIN DB9-F (COM)
Speed	From 1.200 to 115.200 bps
Delay	160 – 240 ms (@ 9.600 bps) 145 – 155 ms (@ 115.200 bps)
Fiber optic	Multimodal(62,5/125 o 50/125 µm) ST/ST connectors

CONNECTIONS

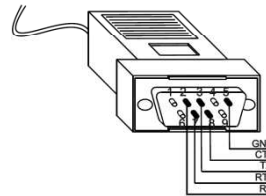
Power supply (IDC10)



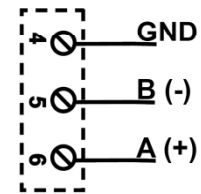
Power Supply (Terminal block)



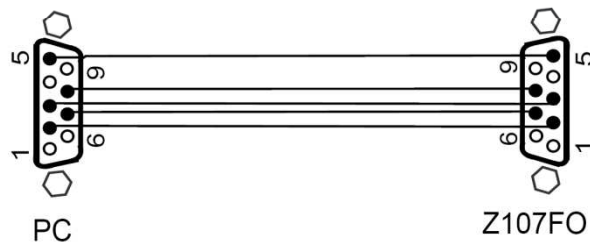
RS232 port –DB9-F connector



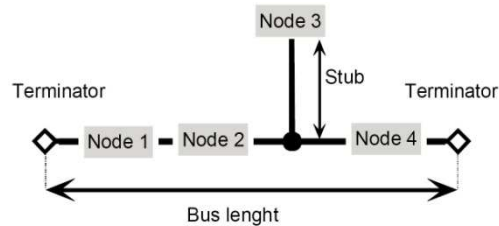
RS485 port – Terminal block



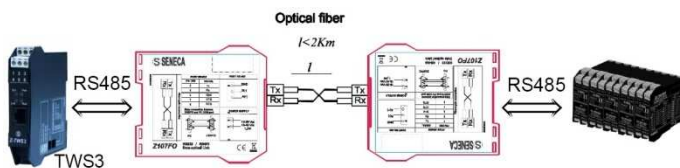
DB9 PC connector → Z107FO



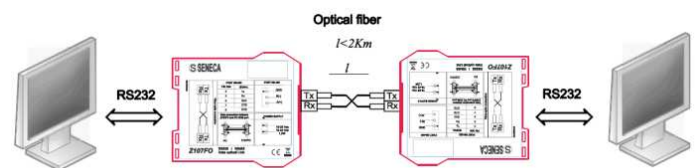
Connection RS485 remote nodes depending on the baud rate



Functional diagram



Application example



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Z107FO_0902EN