



**PHASE
TONE**

PT003

SERIAL TO SFP CONVERTER

User Manual

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Specifications

- **Dimensions:** 3.4"x2.9"x1.3"
- **Weight:**
- **Power Requirements:**
 - Power is provided from the party line bus.
 - Voltage: +7V and +12V DC.
 - Current Draw: 0.5A Typical
- **Connectivity:**

PIN	MODE		
	RS232	RS485 HALF DUPLEX	RS422 FULL DUPLEX
1	VIN (7-12VDC)	VIN (7-12VDC)	VIN (7-12VDC)
2	GND	GND	GND
3	N/C	TX-/RX-	TX-
4	RX	TX+/RX+	TX+
5	TX	N/C	RX+
6	N/C	N/C	RX-

- **Configuration:**

DIP 1	DIP 2	DIP 3	BAUD RATE
OFF	OFF	OFF	4800
OFF	OFF	ON	9600
OFF	ON	OFF	19200
OFF	ON	ON	38400
ON	OFF	OFF	28800
ON	OFF	ON	57600
ON	ON	OFF	115200
ON	ON	ON	230400

DIP 4	DIP 5	FUNCTION
OFF	OFF	RS422 (Full Duplex)
OFF	ON	RS485 (Half Duplex)
ON	OFF	RS232
ON	ON	RS232

DIP 6	FUNCTION
OFF	RS485 Unterminated
ON	RS485 Terminated



General Use

The PT003 allows for converting RS232/RS485/RS422 serial communication busses to an SFP based connection. This allows for transporting serial communication protocols over extended distances. By using an SFP this allows for a variety of fiber modules to be selected from. This can include single mode, multimode, CWDM, or DWDM optical modules. Power can be optionally provided through the 6 pin Phoenix connector or the coaxial DC jack.

LED Indicators

There are three LEDs provided on the unit. The LED between the DC input jack and the dip switches indicates when input power is present. The LED between the green serial connector and the SFP port indicates a fault with the SFP module. This fault indicator will be active if there is an internal SFP fault or a lack of signal from the far end. The LED on the other side of the SFP port is green and turns on when the RX signal is good and there are no SFP faults.

Suggested Accessories

- 1776126 (Phoenix Contact) – Matting Connector Replacement