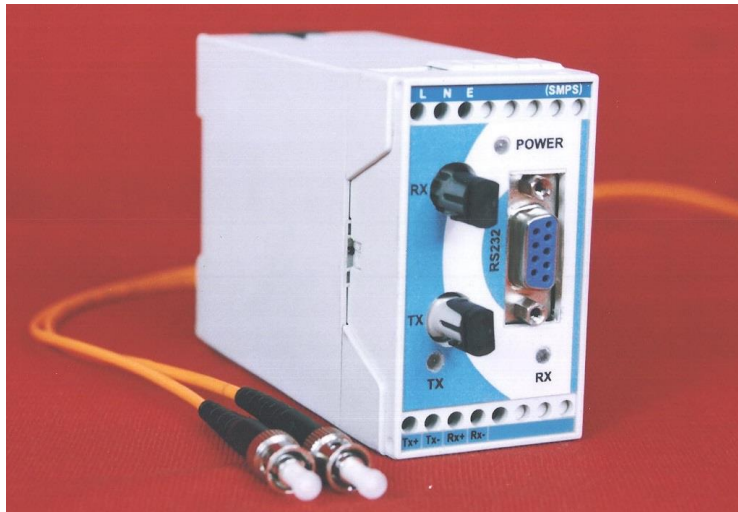


ACON F-01
Fiber Optics to RS232/RS485 Converter



ACON F-01(Fiber Optic to RS232/RS485 Converter) converter converts Asynchronous serial to Fiber Optics.

SPECIFICATIONS:

COMMUNICATION:

Transmission Line:	Dual Multimode optical cable
Interfaces:	Asynchronous RS232 //RS422/RS485 (2 Wire/4 Wire) Auto Control
Serial side Connectors:	DB-9 Female for RS232 PBT for RS485 and RS422
Optical side Connector:	ST-Female
Speed in Bps:	4800 TO 115200
Optic Wavelength:	820 nm
Fiber Range:	2.5 miles
Optical fiber sizes:	50/125um,62.5/125um,100/140um & 200 micro meter

ISOLATED SIGNALS:-

<u>PIN NO.</u>	<u>SIGNAL</u>
<u>(DB9 Pin Conn.)</u>	
2	----- TX
3	----- RX
5	----- GND

INDICATIONS:

RS 232 and RS485: TX, RX.

When Unit ACON-08 is powered on LED glows continuously.

MECHANICAL:

Input Side Connector	: Dual Multimode optical cable
Output Side Connector	: DB 9 pin -Female
Power Connector	: 'L' type 3 pin PBT Connector
Enclosure	: Din Rail Mounting.
Dimensions	: 45[W] X 110[D] X 75[L]mm.

ELECTRICAL:

Power Supply	: 90-230VAC, +10%, 50 Hz. **
Power Consumption	: 1.2 Watt
Optical Isolation	: 1.5 KV.

OPERATING CONDITIONS:

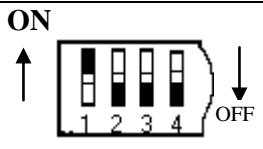
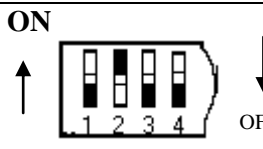


Temperature	: 0-55 ° C.
Relative Humidity	: 5- 95 %- non condensing.

Dip Setting:



- 1) Remove the plate at the bottom of the converter.
- 2) Do the necessary settings as per the requirement.

DIP 10 Settings:

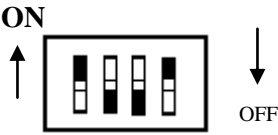

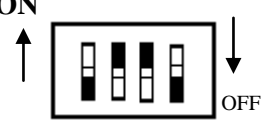
DIP (1-4): Baud rate Settings.

DIP 1 SWITCH SETTINGS	RECOMMENDED BAUD RATE	PULSE WIDTH
 <p>ON ↑ 1 2 3 4 OFF ↓</p>	4800 bps & below	10 ms
 <p>ON ↑ 1 2 3 4 OFF ↓</p>	9600 bps & Above	5.2 ms
 <p>ON ↑ 1 2 3 4 OFF ↓</p>	38.4 kbps & Above	3.4 ms
 <p>ON ↑ 1 2 3 4 OFF ↓</p>	115.2 kbps	2.2 ms

DIP-5 & 10: Not Used

DIP 1 SWITCH SETTINGS	
 <p>ON ↑ 6 7 8 9 10 OFF ↓</p>	RS 232
 <p>ON ↑ 6 7 8 9 10 OFF ↓</p>	RS 485 / RS 422 Follow DIP 2 Settings for this purpose

DIP2 Settings:

DIP 2 SWITCH SETTINGS	RECOMMENDED BAUD RATE
	RS 422 (4 Wire)
	RS 485 (4 Wire)
	RS485 (2 Wire)

Note:-

Connect the Mains to proper points.

i.e. For 230VAC supply, connections should be made between points 0 and 230.



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