

**Specification: Converter Module : RS 485 to RS 232 converter**

**Specification:** The ADAM RS 485 to RS 232 converter Shall be powered with any unregulated power source between +10 to + 30 VDC.

Their industrial grade plastic shells shall be mounted on a DIN rail, panel or in a piggybacked stack.

**Shall require to have following Features:**

- Automatic internal RS-485 bus supervision
- No external flow control signals required for RS-485
- Minimum 3000Vdc isolation protection
- Transient suppression on RS-485 data lines
- Baud rate up to 115.2 Kbps
- Networking up to 4000 feet.
- Reserved space for termination resistors
- Power and data flow indicator for troubleshooting
- Power requirement : +10 to +30 Vdc
- Mounts easily on DIN-rail or Panel

**Specifications:**

- **Power requirements**

Unregulated +10 to +30 Vdc with protection from power reversals

- **CASE:** ABS with captive mounting hardware.

- **Accessories ( To be supplied) :**

NYLON DIN-rail mounting Adapter

SECC Panel Mounting Bracket

- **Plug-In screw terminal wiring :**

Accepts AWG 1-#12 to #22 (0.5 to 2.5 mm) wires

- **Baud rate (bps):**

1200,2400,4800,9600,19.2K,38.4K, 57.6K, 115.2K, RTS control

- **Isolation Voltage:**

3000Vdc

- **RS-232 Interface connector:** Female DB-9
- **RS-485 interface connector :** Plug-in screw terminal
- **Power consumption:** 1.2 W maximum

**Operating environment:**

- **Operating temperature:**  
-10 to 70 degree C ( 14 to 158 degree F)
- **Storage temperature:**  
-25 to 85 degree C ( -13 to 185 degree F)
- **Humidity :** 5 to 95%, non-condensing

**Specification: 3 core Shielded communication cables with twisted pair**

- (a) 20 AWG standard tinned copper
- (b) Capacitor of cables < 70 PF/M
- (c) Size of conductor 7/0.30
- (d) Voltage grade 600V
- (e) Polyethylene insulator having characteristic impedance 120 OHM