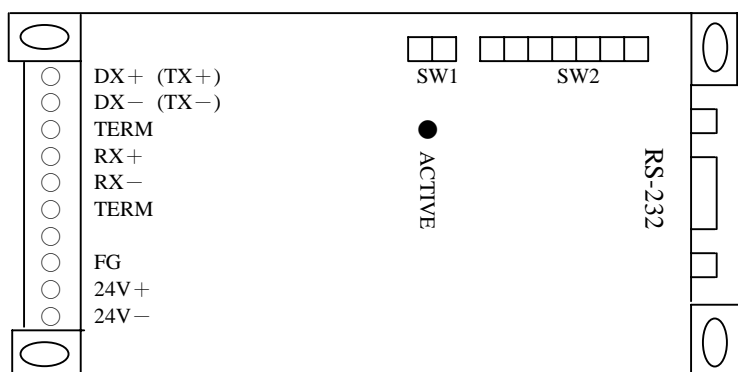


FATEK FB-485 User's Manual

1. Fast & Reliable RS-232C to RS-485/RS-422A Convertor
2. Functional Block Diagram & Outline



3. Terminals of RS-485/RS-422 :

DX+ : Data+ of RS-485 or TX+ of RS-422A

DX- : Data- of RS-485 or TX- of RS-422A

TERM : AC Termimator (Keep Opened)

RX+ : RX+ of RS-422A

RX- : RX- of RS-422A

TERM : AC Termimator (Keep Opened)

FG : Framing Ground

24V+ : Input of External DC24V +

24V- : Input of External DC24V -

4. DIP Switch :

SW1 : 1 2

OFF OFF : 9-Bit (Start Bit + 7-bit of Data + 1-bit of Stop)

ON OFF : 10-Bit (Start Bit + 7-bit of Data + 1-bit of Parity + 1-bit of Stop)

Or (Start Bit + 8-bit of Data + 1-bit of Stop)

Or (Start Bit + 7-bit of Data + 2-bit of Stop)

OFF ON : 11-Bit (Start Bit + 8-bit of Data + 1-bit of Parity + 1-bit of Stop)

Or (Start Bit + 8-bit of Data + 2-bit of Stop)

Or (Start Bit + 7-bit of Data + 1-bit of Parity + 2-bit of Stop)

ON ON : 12-Bit (Start Bit + 8-bit of Data + 1-bit of Parity + 2-bit of Stop)

SW2 :	1	2	3	4	5	6	7	
	ON	OFF	OFF	OFF	OFF	OFF	OFF	: RTS control to change flow direction
	OFF	ON	OFF	OFF	OFF	OFF	OFF	: Auto change flow direction for 1200 bps
	OFF	OFF	ON	OFF	OFF	OFF	OFF	: Auto change flow direction for 2400 bps
	OFF	OFF	OFF	ON	OFF	OFF	OFF	: Auto change flow direction for 4800 bps
	OFF	OFF	OFF	OFF	ON	OFF	OFF	: Auto change flow direction for 9600 bps
	OFF	OFF	OFF	OFF	OFF	ON	OFF	: Auto change flow direction for 19200 bps
	OFF	OFF	OFF	OFF	OFF	OFF	ON	: Auto change flow direction for 38400 bps

5. Pin Assignment of D-Connector (DB-9 Female)

Pin_2 : TXD of RS-232C (Output)

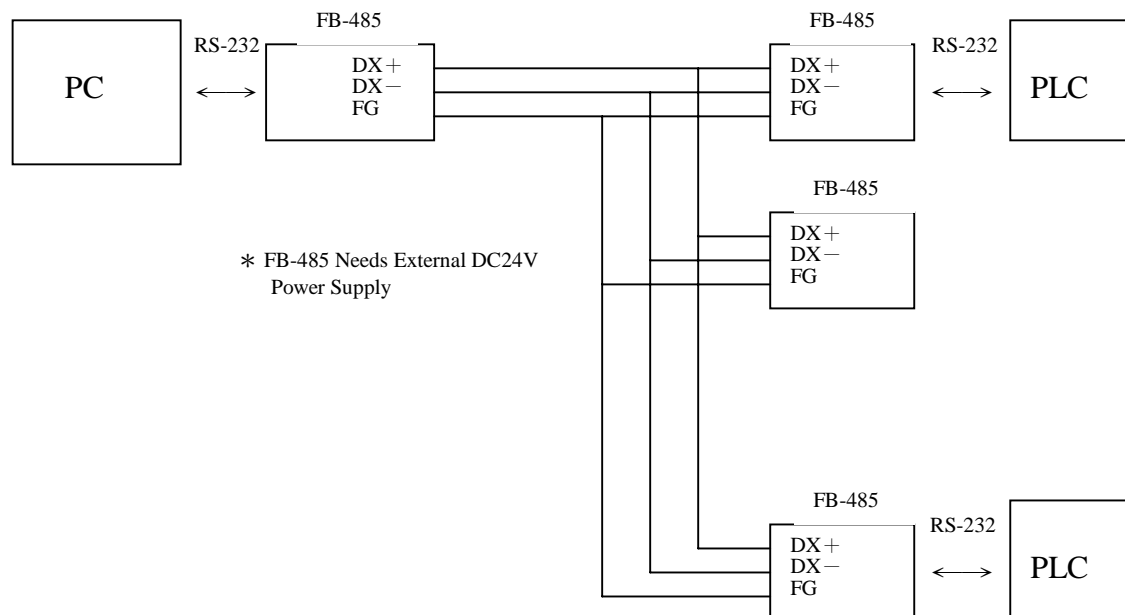
Pin_3 : RXD of RS-232C (Input)

Pin_5 : Signal Ground of RS-232C

Pin_7 : CTS of RS-232C (Input)

Pin_8 : RTS of RS-232C (Output)

6. Wire Connection for RS-485 Multi-drop Communication



7. Wire Connection for RS-422A Multi-drop Communication

