

Global Power Products

RS485/232 Communication Card

This communication card offers four functions besides KYZ outputs.

1. Addressing
2. Signal conversion
3. Handshaking
4. Isolation

The card can be assembled several ways. Also there is a 12 position DIP switch for configuration options. All of these options are described below:

Assembly

There are 4 ways to assemble the RS485 / RS232 board

1. 01 is assembled for RS485 communication.
2. 02 is assembled for RS232 communication.
3. 11 is assembled for RS485 communication with KYZ (2 KYZ and 1 form A).
4. 12 is assembled for RS232 communication with KYZ.

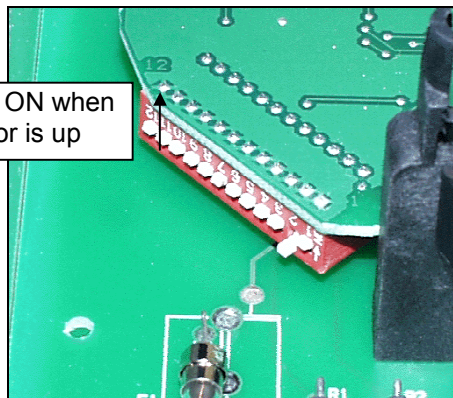
DIP Switch Setting for Configuration

Each Communication Card has a 12 position DIP Switch used for setting the communication environment for the system.

DIP Switch (SW1) The factory default position is ON for all switches and the switch is accessible under the main metering board, on the left hand side. Below are the switch positions and the respective functions.

1. RTS to TX: ON = 0 ms delay
 OFF = 100 ms or CTS
2. Address Mode:
 ON = Must use an address to communicate to this board
 OFF = Transparent mode (No address needed)
- 3-4. Baud Rate:

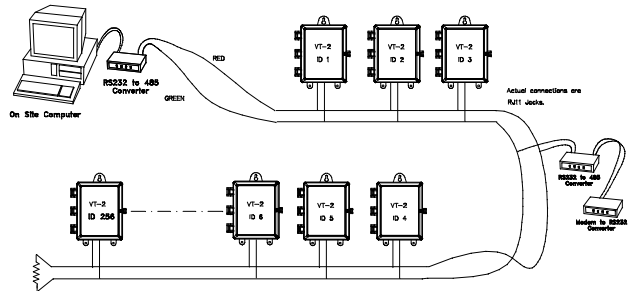
3	4	Baud
OFF	OFF	1200
OFF	ON	2400
ON	OFF	4800
ON	ON	9600



The switch is ON when the actuator is up

DIP Switch on the RS485/232 Card

5	6	7	8	9	10	11	12	Address (Decimal)
ON	ON	ON	ON	ON	ON	ON	ON	0000000 (0)
ON	ON	ON	ON	ON	ON	ON	OFF	00000001 (1)
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	11111111 (255)



VT-2s Mounted on Switch Gear



VT-2 RS485 Connection

5-12. Addressing:

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