

The SDDRB4 Relay Board can be used with the 232IOEXT but the jumper positions are not shown on the data sheet for the Relay Board. Customer must look up the 232IOEXT I/O pin mapping for Digital Outputs 0-3 and 4-7. See Table 2 below for JP1 position to match the channels.

### SDDRB4 Table 1 for 232SDD16 or 485SDD16 – Output Channel/Pin Mapping

JP1	A		B		C		D	
Position	Channel	Pin	Channel	Pin	Channel	Pin	Channel	Pin
0-3	0	9	1	10	2	11	3	12
4-7	4	13	5	25	6	24	7	23
8-11	8	22	9	21	10	19	11	18
12-15	12	17	13	16	14	15	15	14

### SDDRB4 Table 2 for 232IOEXT – Input Channel Mapping to Output Channel/Pins

JP1	(Actual)	A		B		C		D	
Position		Channel	Pin	Channel	Pin	Channel	Pin	Channel	Pin
0-3	Invalid	Input 0	9	Input 1	10	Input 2	11	Input 3	12
4-7	Invalid	Input 4	13	Input 5	25	Input 6	24	Input 7	23
8-11	(0-3)	Output 0	22	Output 1	21	Output 2	19	Output 3	18
12-15	(4-7)	Output 4	17	Output 5	16	Output 6	15	Output 7	14

Note: The input channel of one module activates the matching output channel of the other. The pins for input to the 232IOEXT are carried through the SDDRB4 connectors.

### 232IOEXT I/O Port Connections/Pins

DB-25S Pin#	Function	DB-25S Pin#	Function
1	No Connection	14	Output 7
2	No Connection	15	Output 6
3	No Connection	16	Output 5
4	No Connection	17	Output 4
5	No Connection	18	Output 3
6	No Connection	19	Output 2
7	Ground	20	No Connection
8	+12 VDC	21	Output 1
9	Input 0	22	Output 0
10	Input 1	23	Input 7
11	Input 2	24	Input 6
12	Input 3	25	Input 5
13	Input 4		

Notes:

Inputs have built-in Pull-ups for dry contacts/switch closure to Ground on Pin 7.

Outputs can source about 3 mA with current limiting resistor, or sink about 8mA with current limiting resistor. Typical mini Red or Green LED will light with 3K to 3.6K current limiting resistor in series with LED and output.