

Setting up RS-232 for Home Automations with the 4100sm

Needed Equipment:
4100SM
4142TR cable
DB25 to DB9 cable

Programming Locations:
Values in [] are required settings for RS232 to work.

*05 System Events Notify [1]
Messages sent via the RS232 port

*14 Burglary of RS232 Input [1]
Enter 1 to set terminal 23 as an
RS232 input to enable system to
receive serial data (75 baud)
via terminal 23

1*70 Event Log Types
1= enable, 0=disable
alarm, chk, byp, o/c, syst, test

1*72 Event Log Printer, MUST BE A "1" when using Rev 2 Panels

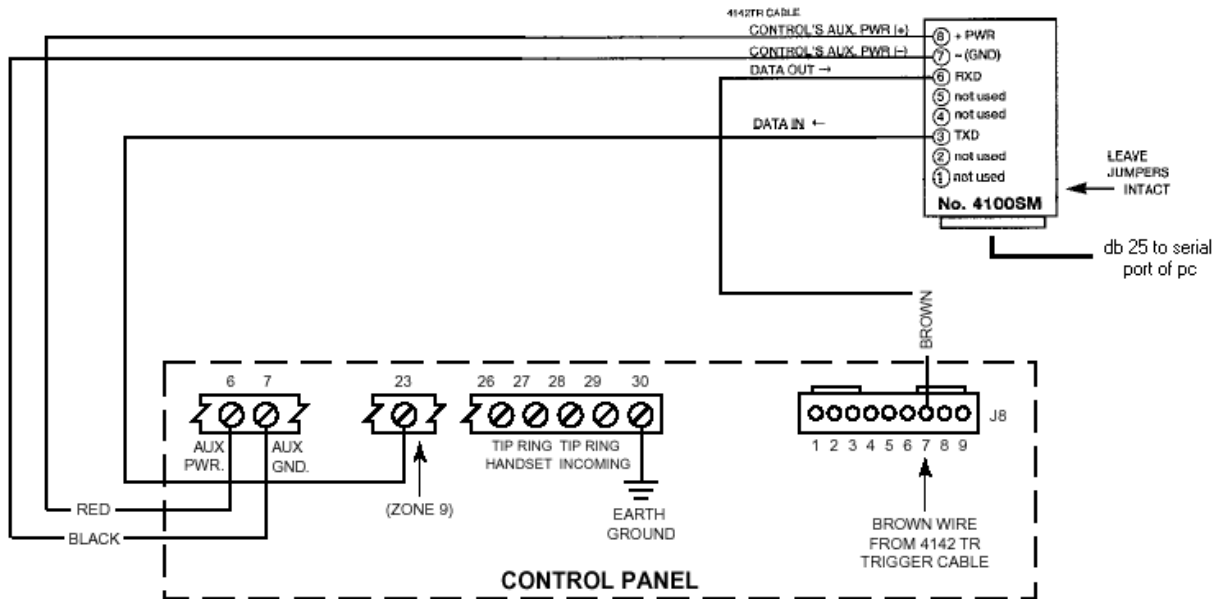
1*73 Printer Baud Rate [0]
Must be 1200 Baud

** Mounting distance of 4100sm is limited to length of 4142tr cable. **
This cannot be extended. The cable between 4100sm and
Home automation pc can be made using the pin out below.

DB9	DB25	Name
1	8	DCD
2	3	RxD
3	2	TxD
4	20	DTR
5	7	SG
6	6	DSR
7	4	RTS
8	5	CTS
9	22	RI

Pin out in the event the cable distance needs to be increased past the 10' cable that comes with the 4100sm.

RxD, TxD, SG, and DSR are used



Voltages:

Terminal 6 to ground, sets idle at 800mVdc, goes to 6Vdc upon transmission.
 Terminal 3 to ground, sets idle at 4Vdc idle, pulses by +1Vdc upon transmission.

Communications protocol must be set for the following:
 1200 baud, 8 data bits, no parity, one stop bit