



## I. Driver Features

### 1. Command Format

This device is controlled through a combination of RS-232 and IR commands; both are necessary for full control of the device.

### 2. RS-232 Commands    IR Commands

Power On	Menu	Zoom +	Mute
Power Off	Adj Up	Zoom -	Blank On
Volume	Adj Down	Focus +	Blank Off
Source: Video 1	Adj Left	Focus -	
Source: Video 2	Adj Right	Timer	
Source: RGB 1	Left Click	Blank	
Source: RGB 2	Right Click	Position	

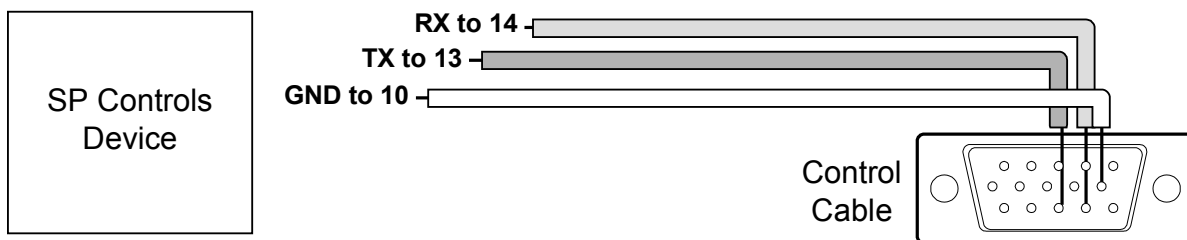
### 3. Other Driver Features

*Default Power Status Feedback:*                      Power Current Sensor or None  
*Projector Restart Lockout Timer (Default):*    80 Seconds

## II. RS-232 Control Wiring

For IR wiring, see product manual for the SP Controls device.

Wire RS-232 control to a male HD15 as follows:



Connect male HD15 to 3M port labeled *CONTROL*.  
*Serial Adapters* (for NRC only): B and C

## III. Projector Configuration

**Baud Rate:** The 3M projector may be configured via the onscreen menus to accept RS-232 control over a range of speeds. This driver assumes control will take place at 1200bps. Verify that the projector is set to 1200bps in the onscreen OPT. (OPTIONS) Menu: COM. SPEED setting. If not, set the projector to 1200.

**Data Word:** The 3M projector may be configured via the onscreen menus to accept RS-232 control over a range of data word settings. This Driver assumes control will take place with 7 data bits, no parity bit, and one stop bit (**7N1**). Verify that the projector is set to 7N1 in the onscreen OPT. (OPTIONS) Menu: COM. BITS setting. If not, set the projector to 7N1.