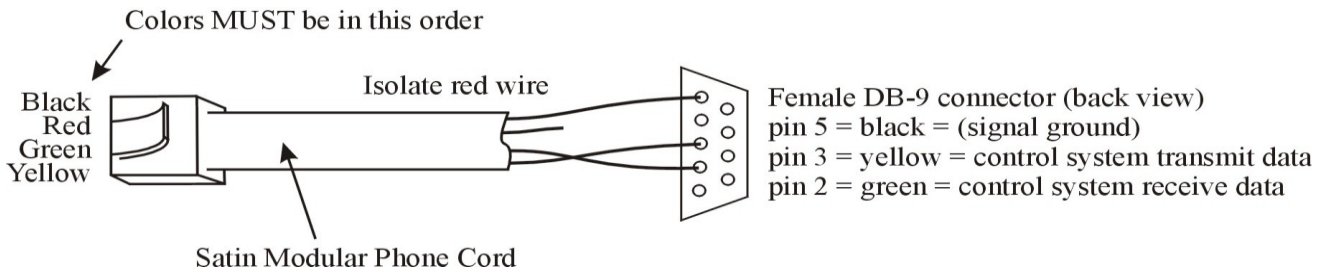


## 1.) Hook it up

- a) Mount the RQ Bridge unit as shown in *RQ Bridge Specifications*. Keep in mind that the RQ Bridge must be within 100 feet cable length of the closest RQ unit providing power.
- b) Connect communication and control:
  - 1) For systems of multiple RQ units, use 6-wire phone cable to connect Red RJ-14 modular ports to create the RQ and legacy RP Bus. **Warning: Do not intersperse RP units within the RQ Bus.** Instead, arrange the RP units off of an "end" RQ unit. The RQ Bridge may be located anywhere within the RQ Bus, but must be within 100 feet of an RQ unit that will provide power for the Bridge.
  - 2) For Serial Interfacing to the RQ Bridge, choose between RS-232 and RS-422 protocols and configure strap as indicated in *RQ Bridge Specifications*. For RS-232, use 4-wire phone cable (modified as shown below) from the RS-232 device (PC) to the black RJ-11 modular jack on the RQ Bridge (RS-232 to phone cable Adapter available from ESI). For RS-422, connect to spring connectors as shown in *RQ Bridge Specifications* and configure straps for RS-422 termination resistors. Set PC COM port for 9600 baud 8N1 (8 data bits, no parity, and 1 stop bit, turn on xon/xoff flow control).



## 2.) Turn it on

- a) Apply AC power to the RQ unit that the RQ Bridge is connected to in order to power-up the RQ Bridge.
- b) Observe the Program Mode LED for initialization (blinks Green once).

## 3.) Verify Basic Operations

- a) Verify RQ Bridge communications with the connected Serial Interface device. Using a terminal emulator program (*Hyperterminal* on the PC), enter the following command string: "**!000v?;**" to solicit a "version" response from the RQ Bridge and any attached RQ units. Response from the RQ Bridge will be "**!BR1vB10**" indicating Bridge version 1.0.
- b) Refer to *RQ Bridge Command Summary* for other initialization and operational parameters and an RQ device *Command Summary* for calibration process required for some RQ devices.

## 4.) Program The RQ Bridge

- a) Refer to *RQ Bridge Command Summary* for Factory Default programming already loaded into the RQ Bridge unit.