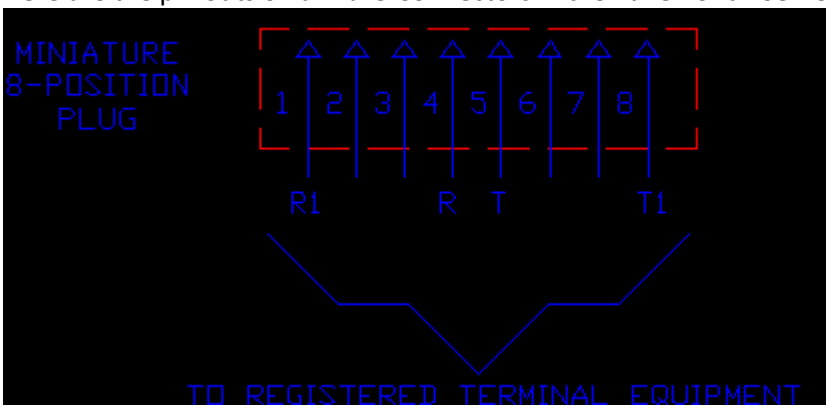
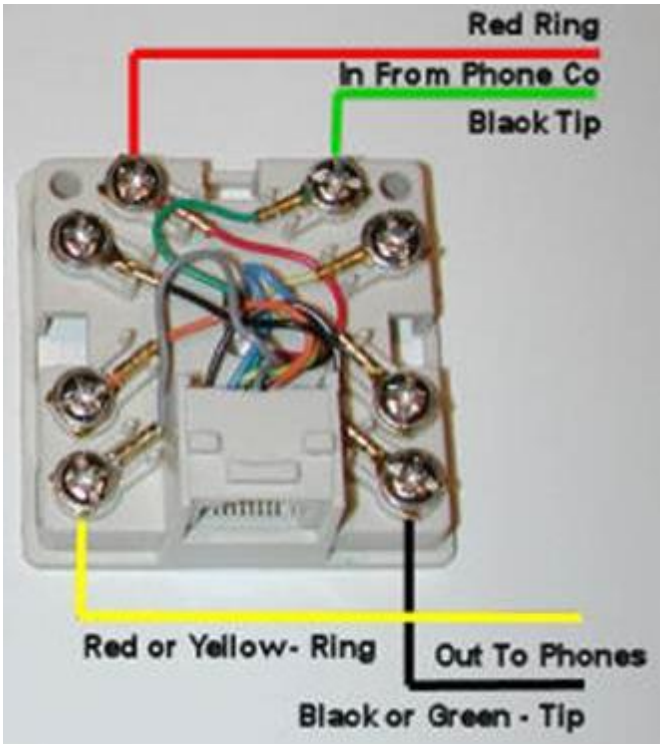
Pin Outs Wiring

Here are the pin outs on all RJ45 Connectors in the Panel for all Self Contained Security Panels



- **R & T (Center 2 Pins) are Ring and TIP from the Telco Service Provider. (Typically Red & Green)**
- **R1 & T1 (Outer Most 2 Pins) are Ring & Tip 2 going back to the house lines.**
- **The pins are numbered left to right when looking at the front of the plug with the retention tab pointed down.**
- **PINS 2,3,6,7 are NOT used in a security installation unless they are being used as a loop for a security zone.**
- **If you are connecting the RJ31X jack correctly and your wiring is correct at the DMARK box then you will get phone seizure.**
- **Typically the phone line is brought from the DEMARK box to the RJ31X Block on the RED & GREEN Conductors and taken back to the House Side on Black & Yellow when using a standard 24/4 low voltage security wire.**
- **This is NOT however how they are connected in the RJ31X terminal. RED & GREEN do go to the RED & GREEN Terminals in the jack (bottom most terminals when looking at the jack from the top with the plug facing away from you.)**
- **YELLOW & BLACK however, connect to the BROWN and GREY Terminal in the Jack. (Top Most terminals when looking at the jack from the top with the plug facing away from you.)**

IF YOU CONNECT THE YELLOW AND BLACK CONDUCTORS OF THE RETURN LINE TO THE YELLOW AND BLACK TERMINALS IN THE RJ31X BLOCK, IT WILL NOT WORK!!!!



WHEN USING POTS WITH 2 GO CONTROL AN RJ31X BLOCK MUST BE USED IN CONJUNCTION WITH A DOUBLE TERMINATED RJ31X CORD. CAT5 PATCH CABLES WILL NOT WORK BECAUSE THE PAIRS ARE CROSSED AND ALL SECURITY SYSTEMS REQUIRE A STRAIGHT THROUGH CABLE.

IF YOU ARE NOT USING AN RJ31X JACK (EXAMPLE: PUERTO RICO) YOU MUST CRIMP AN RJ45 CONNECTOR TO THE END OF THE PHONE LINE AS FOLLOWS.

- **RED & GREEN ON CENTER 2 PINS**
- **YELOW AND BLACK ON OUTER 2 PINS.**