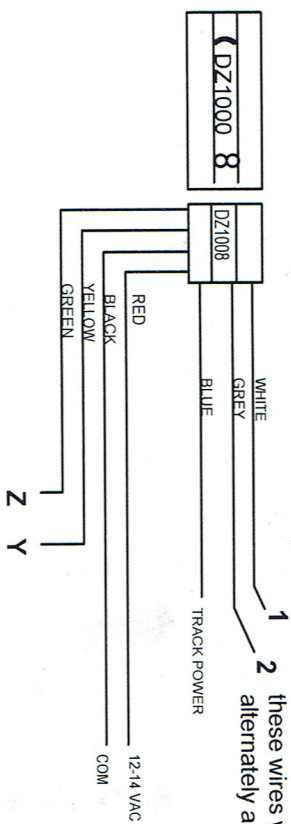
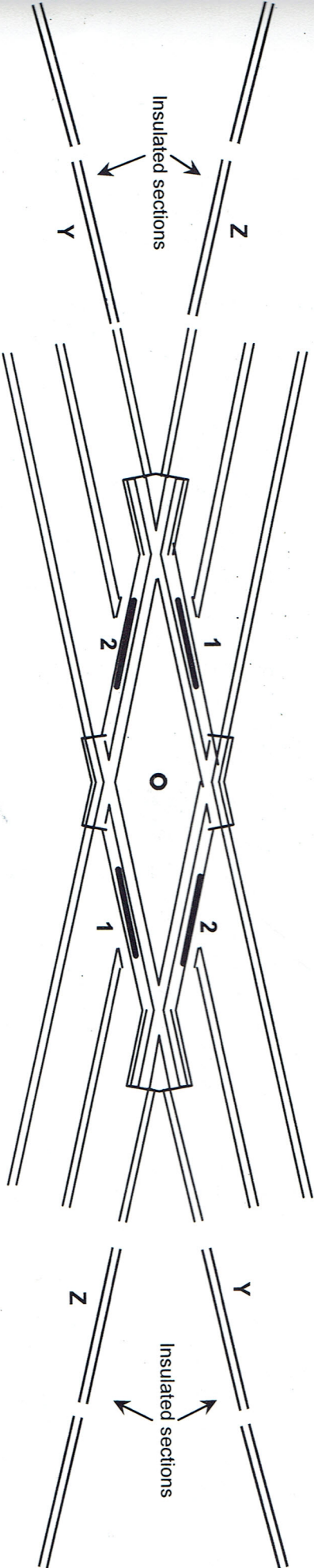


Ross Custom Switches

22.5 Degree Crossing Instructions



*Blue is Z
white is Y*

- Because of the length between the center black rails we have imbedded (4) short black center rails into the diamond of the 22.5 Deg. Xing.
- Depending on the distance between the center roller pick ups on your equipment, you may need to power these imbedded rails alternately depending on the route of the train. You can do this automatically using insulated rails to fire a DZ1000 switch machine and DZ1008 relay. You cannot have constant power to them as this will cause a short.
- The crossing comes from the factory with the (1) and (2) rails connected in sets. Drop a wire down from each of the two wires that form an X on the bottom of the crossing. Connect grey wire from DZ1008 to rails (1) and white wires to rails (2).
- Connect insulated rails "Z" together and then connect to the Green wire on the Dz1008. Connect the insulated "Y" rails together and then connect to the Yellow wire on the DZ1008.
- Drop a wire from the silver bracket that supplies power to the center diamond from underneath. Connect this to constant power 8-14 Volts or track power..
- Make sure that the relay is putting power to the correct rails before running your trains. Rails (1) need power when the train is traveling route Z to Z and rails (2) need power when train is traveling route Y to Y. If not switch the yellow and green wires