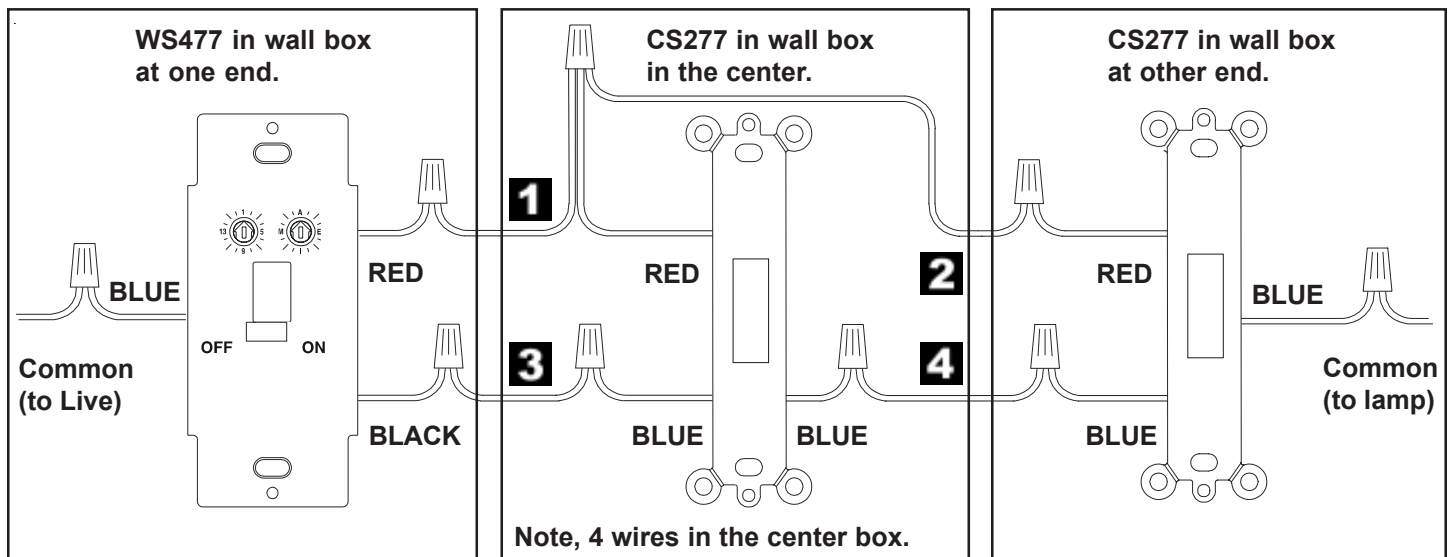


The above is the wiring diagram for typical 3-Way installation using a WS4777 (includes WS477 Master switch and CS227 Companion (Slave) switch).



The above is the wiring diagram for typical 4-Way installation using a WS4777 (includes WS477 and CS227) plus an additional CS227 Companion switch.

Installing X10 wall switches to replace a 4-Way switch installation:

- **Disconnect the power at the circuit breaker panel.**
- Install the WS477 Master Switch and CS227 Companion switch at either end of the wiring run following the instructions that came with the WS4777 (WS477 + CS227). **Note, these will both replace switches that have THREE terminals.**
- Remove the wall plate from the switch in the center location. **Note that the original switch here has FOUR screw terminals on it.**
- Remove the old switch and connect the two wires that came into the switch to the two wires that go out from the switch. I.E., connect wire 1 to wire 2, and wire 3 to wire 4, as shown above (so that the traveller wires go straight through the center wall box. This will mean connecting the **top left** wire on the original switch to the **bottom left** wire, and the *top right* wire to the *bottom right* wire. At this point it is recommended that you turn the power back on and check that you can operate both switches at each end (this is a 3-way circuit and will operate without the center switch installed if you connected the traveller wires to each other).
- **Disconnect the power at the circuit breaker panel again.**
- Install the second CS227 in the center wall box by connecting it **ACROSS** the traveller wires. I.E., connect the Red wire on the center CS227 to the same traveller wires as the Red wires from the other 2 switches; and (since both Blue wires in on the CS227 are connected together inside it) you can connect one Blue wire on the center CS227 to the wire that goes to the Blue wire on the other CS227, and the other Blue with on the center CS227 to the wire that goes to the Black wire on the WS477 (this actually connects both ends (3 and 4) of the traveller wire together).