

Multi Switch Light Circuits

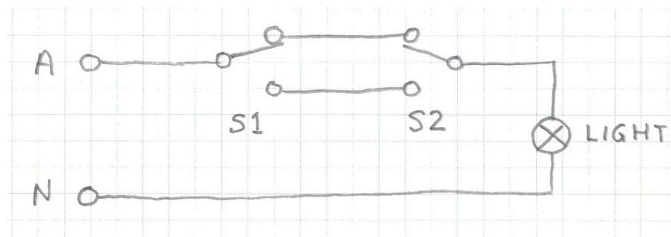


Fig. 1: Two switch light circuit

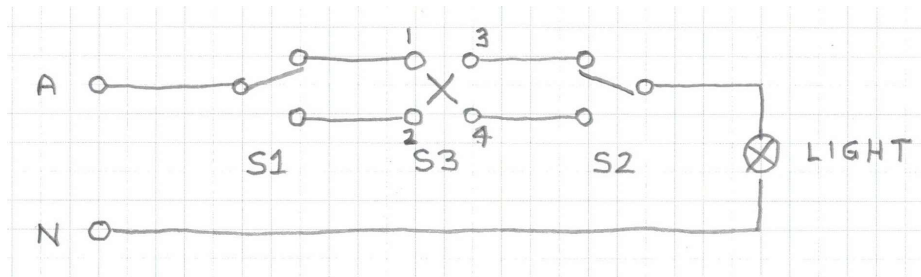


Fig. 2: Three switch (or more) light circuit

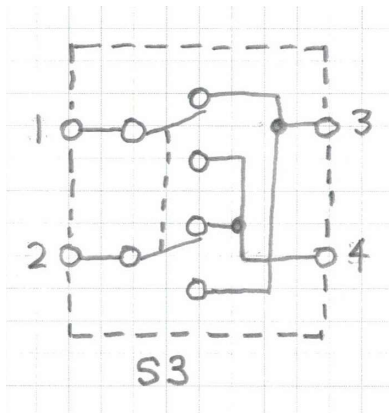


Fig. 3: Wiring a DPDT switch

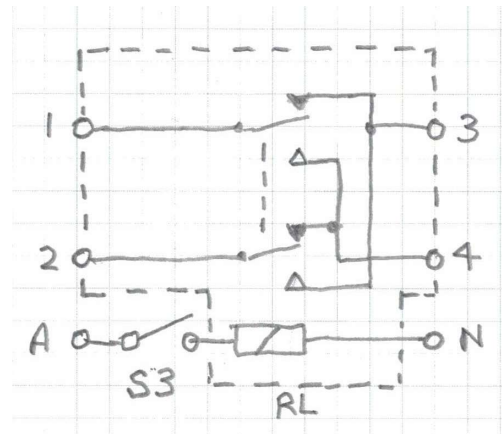


Fig. 4: Wiring a DPDT relay

Notes:

1. The two switch circuit (Fig. 1) uses standard single pole double throw (SPDT) switches which should be widely available.
2. The three switch light circuit (Fig. 2) uses a crossover switch for S3. If not available, a double pole double throw (DPDT) switch (eg. HPM 769MCR) can be wired as a crossover switch as shown (Fig. 3).
3. If neither is available, a 240VAC relay (eg. Jaycar SY4044) can be used with a standard single pole switch (Fig. 4).
4. More switches can be added to the three switch circuit by inserting additional crossover switches (or equivalent) alongside S3.