

## Ultra Wiring Diagram for Single Pole Single Throw (SPST) Systems

Use the following to wire an Ultra Switch. SPST systems are Touchplate and similar two-wire systems.

Each system will have different components and this document does not show all possible connections.

### Button Layout

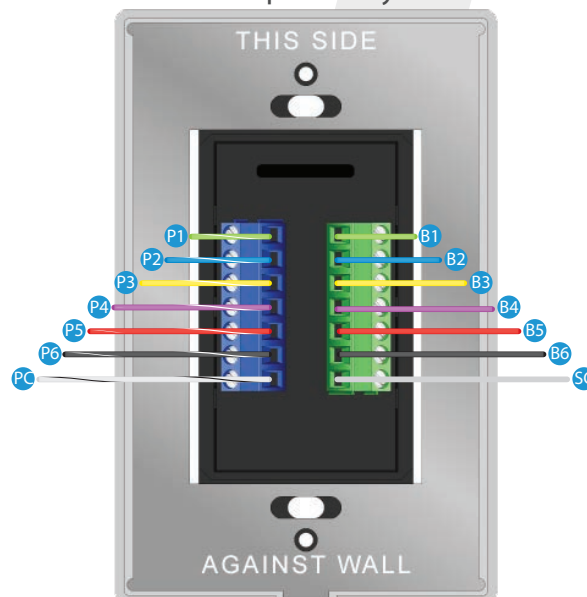


### Switch and LED Wiring

- Switch terminals are green; pilot terminals are blue
- Recommended wire size is 16-18 AWG
- 'SC' stands for switch common (24V+); 'PC' stands for pilot common (24V+)

### Powering the Station

- **LED Voltage Range:** 10 - 24VDC; use of a separate power supply will require the use of separate commons.
- **Draw on LED Resistor:** Max of 4mA per LED.
- **Shared Common:** When using a single common to power both the switches and LEDs, a wire is needed to connect both common terminals together.
- **Separate Commons:** When using separate commons to power the switches and LEDs, the common terminals will be wired separately.

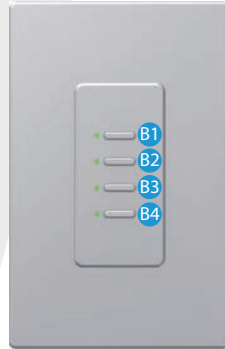


## Ultra Wiring Diagram for Single Pole Double Throw (SPDT) Systems

Use the following to wire a Classic Switch. SPDT systems are GE, Remcon and similar three-wire systems.

Each system will have different components and this document does not show all possible connections.

### Button Layout



### Switch and LED Wiring

- Switch terminals are green; pilot terminals are blue
- Recommended wire size is 16-18 AWG
- 'SC' stands for switch common (24V+); 'PC' stands for pilot common (24V+)

### Powering the Station

- **LED Voltage Range:** 10 - 24VDC; use of a separate power supply will require the use of separate commons.
- **Draw on LED Resistor:** Max of 4mA per LED.
- **Shared Common:** When using a single common to power both the switches and LEDs, a wire is needed to connect both common terminals together.
- **Separate Commons:** When using separate commons to power the switches and LEDs, the common terminals will be wired separately.

