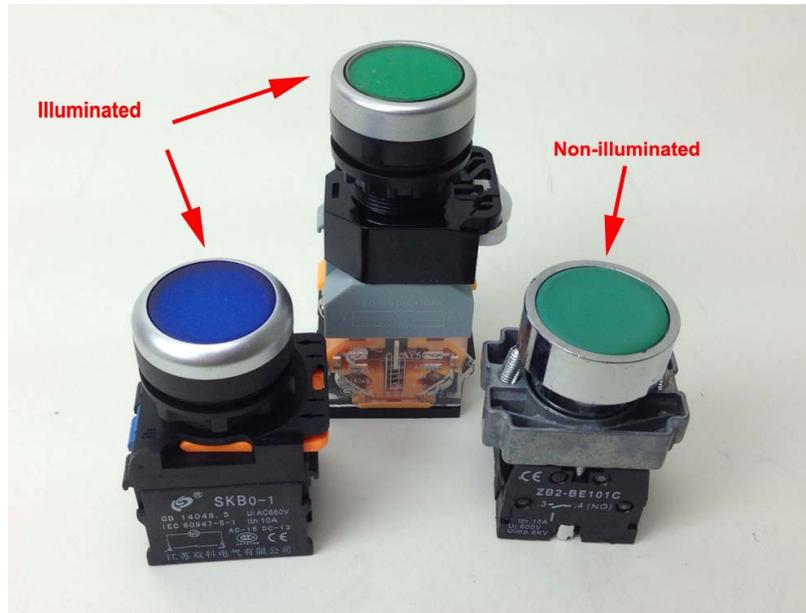


Switch Selection Guide

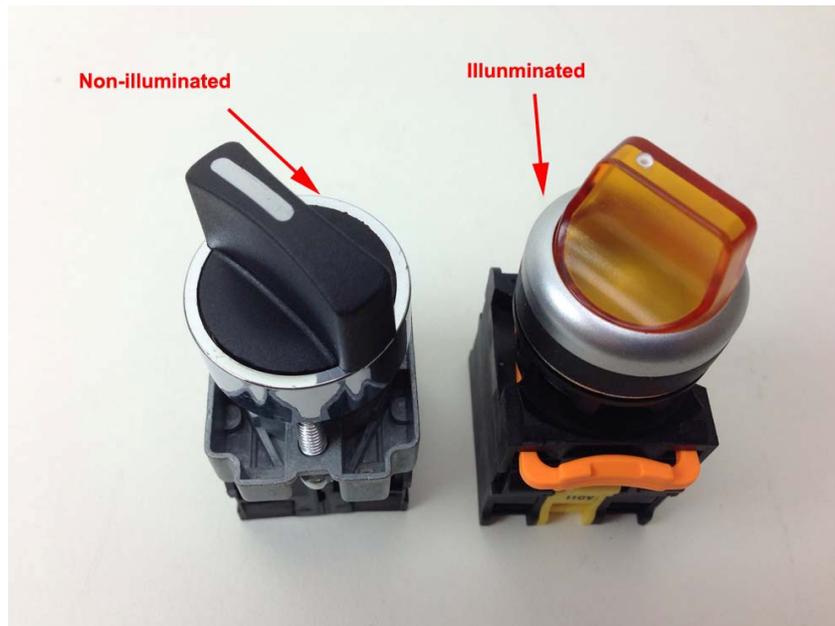
This guide is only limited to the 22 mm type switches that we offer. It is written based on the feedback from our customers.

Switch type option

1: **Push Button or Selector**, see example picture below. Which one to use? It is a personal preference.



Push Button Switch



Selector Switch

2. **Maintained or Momentary.**

For push button switch, when the button is pressed, the maintained switch will stay in the on position until the button is pressed once again; the momentary switch will not stay in the on position.

For the selector switch, when turned, the maintained switch will stay in the on position until it is turned back; the momentary switch will not stay in the on position. It will bounce back automatically.

Maintained switch is mostly used for power switching. Momentary switch is mostly used for reset timer or control some other instruments that require a pulsed signal. For most applications involved with Auber's instrument, maintained switch should be used.

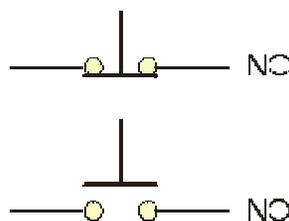
3. Illumination Option. Standard switch does not have illumination light. Customer can install a LED indicator to show the status of the switch. Illuminated switch has a built-in light. All of Auber's illuminated switches use LED as the light source. It is long lasting and efficient. The illumination can be wired so that the switch lit all the time, only when switch is on, or when switch is off.

Voltage options listed in our product page are for power requirement of the LED. Proper voltage should be chosen for the LED. Voltage higher than rated will damage the LED. Lower than rated voltage will make it dim.

It should be noted that voltage rating is for the LED powering only. All switches we offered could be used to switch power of voltage from 5V to 250V DC or AC.

(It is convenient to choose the LED illumination voltage to be the same as the voltage that switch is used for, so that no additional power source is needed)

4. Block Option. Normally Open (NO) and Normally Closed (NC).



NO contact will be in “open” position when switch is at “off” position. It will “close” when switch is “on”.

NC contact will be in “close” position when switch is at “off” position. It will “open” when switch is “on”.

For power switching of a 120V system, only one NO block is needed. Some user chose 2x NO option so that there is a spare.

For power switching a 208V or 240V AC of US or Canadian system, two NO blocks are needed. This is because there is no neutral line for the US and

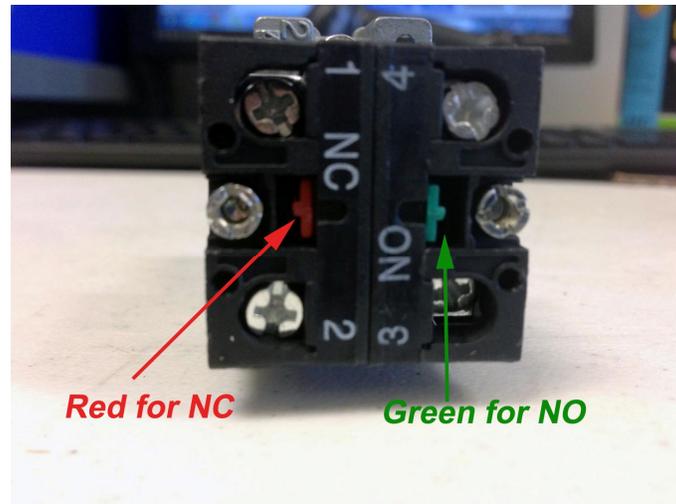
Canadian 208V or 240 V AC systems. Both lines are hot and should be open when not in use.

For switching between two channels (selector switch), 1 NO + 1 NC option should be used.

All of Auber's switch blocks have a color coded pointer at the bottom of the switch block. Red color means NC block. Green color means NO block.

The pointer staying out means the switch is at "on" position.

The pointer retracting back means the switch block is at "off" position.



5. Current Rating. Unless otherwise specified, all 22 mm switches with interchangeable block offered by Auber are rated for 10A. If more than 10 A is needed, user can use two blocks in parallel to double the current capacity. The metallic switch is rated for 5A.

6. LED Color:

In terms for which color to use, there is no standard that cover all applications. Customer can select the color based on his own preference. It should be noted that color of the switch is not only determined by the color of plastic lens itself but ALSO the color of LED. Some customer didn't realize the importance of matching the color of the LED lens with the color of the LED on the switch. Then, the result could be mixed up. For example, if the blue lens is installed on a switch that has a red LED, no light will come out.

7. Additional Block Option. All of the Auber switches come with two blocks as standard. User can add or reduce the number of blocks as needed. These blocks can be stacked on to the back of the original blocks. If there is no limit on the length of the switch, you can stack at least three pairs on a single switch.

