Materials

The majority of mechatronic products require a BASIC Stamp in order to relay information from a computer component to a mechanical component; this is done through the use of circuits and other electrical components. There are many types of BASIC Stamps that can handle various tasks given. Our project required the BASIC Stamp 2, which is a 24-pin DIP (Dual inline package) module. Most commonly referred to as a microcontroller, on occasion you may see it being called a single board computer since it has its very own processor, memory, clock, and interface (via 16 I/O pins). The BASIC Stamp essentially serves as the brains inside of electronics projects and applications that require a programmable microcontroller. It is able to control and monitor switches, timers, motors, sensors, relays, valves, and more; all through the PBASIC language.