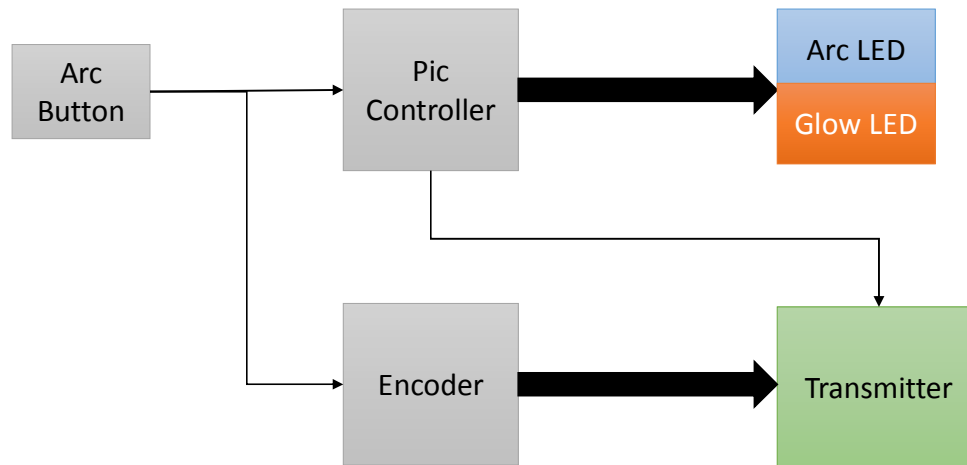




Description:

The Pic controller is normally sleeping. Upon pressing the arc button, the Pic controller wakes up and applies a high level (1) to the encoder's 5th input (D4). At the same time the transmitter begins to transmit. At the same time the Pic controller (via mosfets) drives the arc LED in a pattern. If the arc button is held, the orange LED begins to glow and gets brighter. Once the button is released, the transmitter stops transmitting and the arc LED stops flashing. The glow LED continues to glow but fades until it extinguishes, then the Pic controller goes back to sleep.

Note: When the transmitter begins transmitting, the High Voltage Hazard Display keys up an audio track that is closely synchronized with the arc LED patterns of the hot stick. This add to the illusion that an real arc is being generated.