Description of PWM

PWM, short for pulse width modulation, is a method used to transmit information or control the amount of energy that is sent to a device. The process is the production of a signal that changes between a maximum and a minimum, but the signal is only valued at the minimum or the maximum (not between them), and therefore the signal is like a square wave that changes between high and low and the time that the signal spends in the high position compared to the total signal time (high position) + Low (called duty cycle) specifies the average energy carried by the wave

In the case of transmitting information, according to what we want to transfer, we can symbolize the length of the duty cycle. In the case of controlling the amount of energy sent to a device or engine, the more duty cycle, the more energy the device receives, but on the condition that the signal frequency is high enough not to be affected The device is during outages (i.e. the device has a low pass filter)