

Abstract

Sequential systems are commonly found in industrial automation. This type of systems can be represented by discrete state space where changes in state are caused by occurrences of events.

Sequential system can be categorized into asynchronous and synchronous systems.

Asynchronous systems are event-based, which means that a control action begins only after previous control action is successfully completed.

Synchronous systems are time-based. That is a clock producing pulses at fixed intervals drives the system. These pulses trigger the sequence of control actions.

The objective is to design a programmable controllable sequential system, for purpose to obtain a controllable sequential timer, to initiate different electric or electronic equipment.