



ECT 464

Lecture 3b

State Machines

# Grey Code vs. Binary

- Grey code involves only one bit change between adjacent states
- Binary code - standard Binary counting

Grey      00 01 11 10 00 01 11 10

Binary 00 01 10 11 00 01 10 11

# Basic State Machines

- Basic State Machines are devices which step through various state identified by tracking bit values according to certain inputs.

Example :Two way lighting  
Stepper Motor Controller