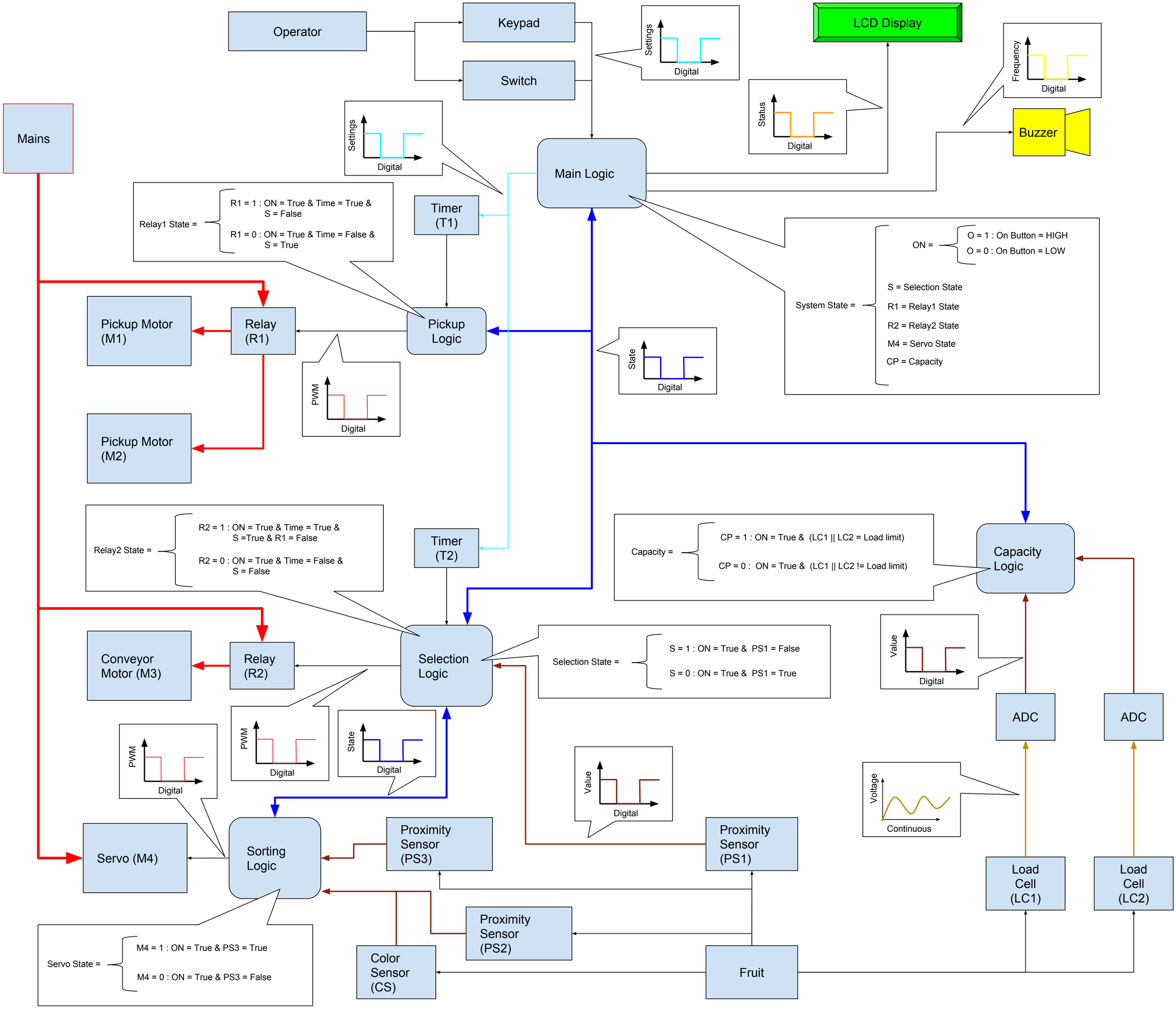
Operator
Keypad
Switch
Settings
Digital
LCD Display
Frequency
Digital
Status
Digital
Buzzer
Mains
Settings
Digital
Main Logic
Relay1 State =
R1 = 1 : ON = True & Time = True & S = False
R1 = 0 : ON = True & Time = False & S = True
Timer (T1)
ON =
O = 1 : On Button = HIGH
O = 0 : On Button = LOW
System State =
S = Selection State
R1 = Relay1 State
R2 = Relay2 State
M4 = Servo State
CP = Capacity
Pickup Motor (M1)
Relay (R1)
Pickup Logic
PWM
Digital
State
Digital
Pickup Motor (M2)
Relay2 State =
R2 = 1 : ON = True & Time = True & S =True & R1 = False
R2 = 0 : ON = True & Time = False & S = False
Timer (T2)
Capacity =
CP = 1 : ON = True & (LC1 || LC2 = Load limit)
CP = 0 : ON = True & (LC1 || LC2 != Load limit)
Capacity Logic
Conveyor Motor (M3)
Relay (R2)
Selection Logic
Selection State =
S = 1 : ON = True & PS1 = False
S = 0 : ON = True & PS1 = True
Value
Digital
ADC
ADC
PWM
Digital
PWM
Digital
State
Digital
Value
Digital
Voltage
Continuous
Servo (M4)
Sorting Logic
Proximity Sensor (PS3)
Proximity Sensor (PS1)
Load Cell (LC1)
Load Cell (LC2)
Proximity Sensor (PS2)
Servo State =
M4 = 1 : ON = True & PS3 = True
M4 = 0 : ON = True & PS3 = False
Color Sensor (CS)
Fruit