







Task System State Machine
Periodic @500mS

State Emergency Stop
Remember Last State

Button Emergency 1 or 2 Pressed

Button Emergency 1 and 2 Released

Button * is pressed on Keypad 1

Weight > 4kg

Object Detected

State Level 1
Door Open

Delay 10S
&
Weight < 4kg

State Level 1
Door Closing

Delay 4S
&
No Object

State Level 1
Door Closed

Delay 10S

State Moving Down

State Normal Operation

State Moving Up

Button 2 is Pressed on Keypad 1 or 2

Delay 10S

State Level 2
Door Closed

Delay 4S
&
No Object

State Level 2
Door Closing

Delay 10S
&
Weight < 4kg

State Level 2
Door Open

Object Detected

Weight > 4kg

Button * is pressed on Keypad 2

Potentiometer > 1V
& Door Closed
& Not on Level 1

Potentiometer > 1V
& Door Open
& Not on Level 1

Potentiometer > 1V
&
On Level 1

State Earthquake
Closing Door

Delay 4S

State Earthquake
Moving Down

Delay 10S

State Earthquake
Level 1 Door Open

Potentiometer < 1V

