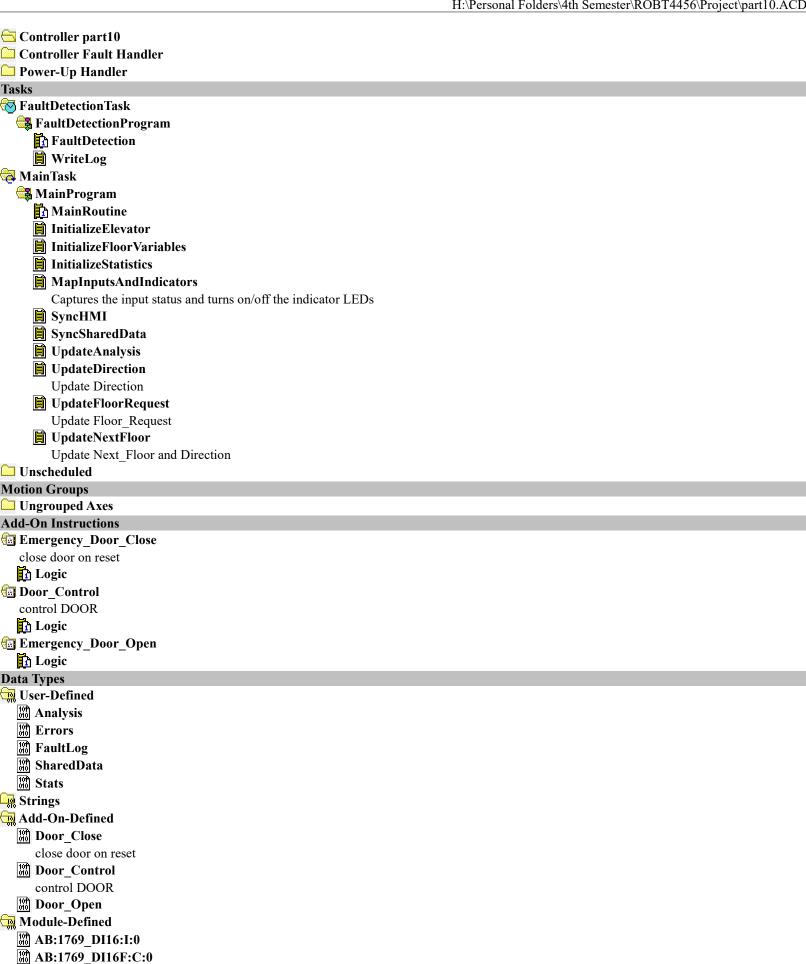
₩ AB:1769_DO16:C:0



- M AB:1769_DO16:I:0
- M AB:1769_DO16:O:0

Trends

I/O Configuration

- 🎹 1769 Bus
 - 1769-L30ER part10
 - [] [2] 1769-IG16/A
 - [3] 1769-IQ16/A
 - [] [4] 1769-OV16/B
 - [[5] 1769-OV16/B
- 器 Ethernet
 - 1769-L30ER part10
 - **1769-L30ER bench10**

Name	Value	Data Type	Scope
Analytics		Analysis[4]	part10
Constant	No		
External Access:	Read/Write		
Analytics - MainProgram/Initializ			
Analytics - MainProgram/SyncSho			
, ,	Analysis - *I(RTO), *2(ADD), *2(CPT), *), 3(GRT)
Analytics[0].Floor_Calls	0	DINT	
Analytics[0].Floor_Calls - MainP	• •		
Analytics[0].Average_Service_Tim	ie	D.D.III	
4 1 .: 501 4 G .: #:	0	DINT	
	ne - MainProgram/SyncHMI - *7(MOV)	THE	
Analytics[0].Service_Timer	D /I · · · I · C · · · · • • • • • • • • • • • • • •	TIMER	
	nProgram/InitializeStatistics - *0(RES)	DDIT	
Analytics[1].Floor_Calls	U (C II) (I *(/) (O)()	DINT	
Analytics[1].Floor_Calls - MainP			
Analytics[1].Average_Service_Tim	le o	DINT	
A	U	DINT	
	ne - MainProgram/SyncHMI - *6(MOV)	TIMED	
Analytics[1].Service_Timer	D /I :: 1: C; :: *0/DFC\	TIMER	
	nProgram/InitializeStatistics - *0(RES)	DINT	
Analytics[2].Floor_Calls	U (C II) (I *5 (MOV)	DINT	
Analytics[2].Floor_Calls - MainP			
Analytics[2].Average_Service_Tim	0	DINT	
Analytics[2] Average Service Tin	ne - MainProgram/SyncHMI - *5(MOV)	DINI	
Analytics[2].Service Timer	ie - Maini rogram/synciiwii - 3(MOV)	TIMER	
	nProgram/InitializeStatistics - *0(RES)	TIVIEK	
Analytics[3].Floor Calls	n nogram/milializesialistics - O(RES)	DINT	
Analytics[3].Floor Calls - MainP	Program/SyncHMI *4(MOV)	DINI	
Analytics[3].Average_Service_Tim			
Analytics[3].Average_Service_Time	0	DINT	
Analytics[3] Average Service Tin	ne - MainProgram/SyncHMI - *4(MOV)	DIN	
Analytics[3].Service Timer	(into /)	TIMER	
	nProgram/InitializeStatistics - *0(RES)		
Available_Floor	0	DINT	MainProgram
Constant	No		
External Access:	Read/Write		
	UpdateDirection - *0(MOV), *10(AND), *.		, *7(OR), *8(OR), *9(OR),
10(AND), 12(EQU), 2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR), 8(OR), 9(OR)	
		al ID	.10
bench6_in_from_10	1 110	SharedData	part10
Producer:	bench10		
RPI:	20.000 ms		
Remote Data:	bench10_out		
Include Connection Status:	n/a N/ID: V		
Use Unicast Connection Over Etho			
External Access:	Read/Write		
bench6_in_from_10.Errors[0].Err	or_Code	DINT	
Two limitswitches are activated at	the same time	DINI	
bench6_in_from_10.Errors[1].Err			
bencho_m_nom_10.E11018[1].E11	01_0000	DINT	
Door open for 15 seconds		DIIVI	
bench6_in_from_10.Errors[2].Err	or Code		
zeneno_m_nom_ro.Entors[2].En	0	DINT	
Door open and elevator moving			
bench6_in_from_10.Stats.Floor_C	alls[0]		
	0	DINT	
hench6 in from 10 Stats Floor (Calls[0] - MainProgram/SyncSharedData		
bench6_in_from_10.Stats.Floor_C		.()	
	0	DINT	
bench6 in from 10.Stats.Floor (Calls[1] - MainProgram/SyncSharedData		
_ '' = ''	2 3	\ /	

```
bench6 in from 10 (Continued)
bench6 in from 10.Stats.Floor Calls[2]
                                                                      DINT
  bench6 in from 10.Stats.Floor Calls[2] - MainProgram/SyncSharedData - 6(GRT)
bench6 in from 10.Stats.Floor Calls[3]
                                                                      DINT
  bench6 in from 10.Stats.Floor Calls[3] - MainProgram/SyncSharedData - 7(GRT)
bench6 in from 10.Stats.Average Service Time[0]
                                                                      DINT
  bench6_in_from_10.Stats.Average_Service_Time[0] - MainProgram/SyncSharedData - 4(GRT)
bench6_in_from_10.Stats.Average_Service_Time[1]
                                                                      DINT
  bench6_in_from_10.Stats.Average_Service_Time[1] - MainProgram/SyncSharedData - 5(GRT)
bench6 in from 10.Stats.Average Service Time[2]
                                                                      DINT
  bench6 in from 10.Stats.Average Service Time[2] - MainProgram/SyncSharedData - 6(GRT)
bench 6\_in\_from\_10.Stats. Average\_Service\_Time [3]
                                                                      DINT
  bench6 in from 10.Stats.Average Service Time[3] - MainProgram/SyncSharedData - 7(GRT)
bench6 in from 10.Is Maintenance Required
                                                                      BOOL
  bench6 in from 10.Is Maintenance Required - MainProgram/SyncHMI - 0(XIO), 1(XIC)
  bench6 in from 10.Is Maintenance Required - MainProgram/SyncSharedData - 0(XIC)
bench6 in from 10.Maintenance Completed
                                                                      BOOL
  bench6 in from 10.Maintenance Completed - MainProgram/SyncSharedData - 8(XIO)
                                                                                                          part10
                                                                      SharedData
bench6 out
  Maximum Consumers:
                                  2
  Include Connection Status:
                                  n/a
  Send Data State Change Event to Consumer(s):
                                               No
  Allow Unicast Consumer Connections:
  Minimum RPI:
                                  1.000 ms
  Maximum RPI:
                                  536870.900 ms
  Constant
                                  No
                                  Read/Write
  External Access:
bench6 out.Errors
                                                                      Errors
  bench6 out.Errors - MainProgram/SyncSharedData - *10(FAL)
bench6 out.Errors[0].Status
                                                                      BOOL
  bench6 out.Errors[0].Status - MainProgram/SyncSharedData - *11(OTE)
bench6 out.Errors[1].Status
                                                                      BOOL
  bench6 out.Errors[1].Status - MainProgram/SyncSharedData - *12(OTE)
                                                                      BOOL
bench6 out.Errors[2].Status
  bench6 out.Errors[2].Status - MainProgram/SyncSharedData - *13(OTE)
bench6 out.Stats.Floor Calls
                                                                      DINT
  bench6 out.Stats.Floor Calls - MainProgram/SyncSharedData - *14(FAL)
bench6 out.Stats.Average Service Time
                                                                      DINT
  bench6 out.Stats.Average Service Time - MainProgram/SyncSharedData - *15(FAL)
bench6 out.Is Maintenance Required
                                                                      BOOL
  bench6 out.Is Maintenance Required - MainProgram/SyncSharedData - *8(OTE), 8(XIC)
bench6 out.Maintenance Completed
  bench6 out.Maintenance Completed - MainProgram/SyncSharedData - *2(OTE), 0(XIO)
ctrl03
                                                                      CONTROL
                                                                                                          MainProgram
  Constant
                                  Nο
                                  Read/Write
  External Access:
  ctrl03 - MainProgram/SyncSharedData - *10(FAL)
                                                                      DINT
ctrl03.POS
  ctrl03.POS - MainProgram/SyncSharedData - 10(FAL)
ctrl03.DN
                                                                      BOOL
  ctrl03.DN - MainProgram/SyncSharedData - 10(XIO)
```

ctrl04 CONTROL MainProgram Constant No Read/Write External Access: ctrl04 - MainProgram/SyncSharedData - *14(FAL) DINT ctrl04.POS ctrl04.POS - MainProgram/SyncSharedData - 14(FAL) ctrl04.DN BOOL ctrl04.DN - MainProgram/SyncSharedData - 14(XIO) ctrl05 **CONTROL** MainProgram Constant No External Access: Read/Write ctrl05 - MainProgram/SyncSharedData - *15(FAL) DINT ctrl05.POS ctrl05.POS - MainProgram/SyncSharedData - 15(FAL) **BOOL** ctrl05.DN ctrl05.DN - MainProgram/SyncSharedData - 15(XIO) **CONTROL** MainProgram ctrl06 Constant No External Access: Read/Write ctrl06 - MainProgram/InitializeStatistics - *1(FAL) ctrl06.POS DINT ctrl06.POS - MainProgram/InitializeStatistics - 1(FAL) ctrl06.DN BOOL ctrl06.DN - MainProgram/InitializeStatistics - 1(XIO) ctrl07 CONTROL MainProgram Constant No **External Access:** Read/Write ctrl07 - MainProgram/InitializeStatistics - *2(FAL) ctrl07.POS DINT ctrl07.POS - MainProgram/InitializeStatistics - 2(FAL) ctrl07.DN **BOOL** ctrl07.DN - MainProgram/InitializeStatistics - 2(XIO) 🕽 Current Floor DINT part10 Constant No Read/Write External Access: Current Floor - MainProgram/InitializeFloorVariables - *0(MOV) Current Floor - MainProgram/MainRoutine - *39(MOV), 25(EQU), 26(GRT), 27(LES), 30(EQU) Current Floor - MainProgram/UpdateDirection - 0(CPT) Current Floor - MainProgram/UpdateFloorRequest - 0(CPT), 1(EQU) Current Floor - MainProgram/UpdateNextFloor - 0(CPT) 0 DINT **Current State** MainProgram Constant No Read/Write External Access: Current State - MainProgram/MainRoutine - *20(MOV), *22(MOV), *3(MOV), *6(MOV), 22(NEQ), 24(EQU), 25(EQU), 26(EQU), 27(EQU), 28(EQU), 29(EQU), 30(EQU), 31(EQU), 32(EQU), 33(EQU), 34(EQU), 36(EQU), 37(EQU), 38(EQU), 39(EQU), 40(EQU), 42(EQU), 43(EQU), 44(EQU), 45(EQU), 47(EQU), 49(EQU), 50(EQU), 51(EQU), 52(EQU), 54(EQU), 55(EQU), 6(LIM) debounce1 0 **BOOL** FaultDetectionProgram No Constant **External Access:** Read/Write debounce1 - FaultDetectionProgram/FaultDetection - *2(ONS) 0 **BOOL** debounce1 MainProgram Constant No Read/Write External Access: debounce1 - MainProgram/MainRoutine - *42(ONS) **BOOL** debounce2 FaultDetectionProgram No Constant

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD debounce2 (Continued) External Access: Read/Write debounce2 - FaultDetectionProgram/FaultDetection - *5(ONS) **BOOL** debounce2 MainProgram No Constant Read/Write External Access: debounce2 - MainProgram/MainRoutine - *44(ONS) 0 debounce3 BOOL FaultDetectionProgram Constant No External Access: Read/Write debounce3 - FaultDetectionProgram/FaultDetection - *8(ONS) 🛭 DIR 0 **BOOL** part10 activate direction relay Local:5:O.Data.4 AliasFor: Base Tag: Local:5:O.Data.4 Constant Read/Write External Access: DIR - MainProgram/MainRoutine - *55(OTE) 0 DINT Direction MainProgram Constant No External Access: Read/Write Direction - MainProgram/InitializeElevator - *0(MOV) Direction - MainProgram/UpdateDirection - *12(XOR), 12(XOR), 2(EQU), 3(EQU), 4(EQU), 5(EQU), 6(EQU), 7(EQU), 8(EQU), 9(EQU) Direction - MainProgram/UpdateNextFloor - 1(EQU), 2(EQU), 3(EQU), 4(EQU), 5(EQU), 6(EQU), 7(EQU), 8(EQU) 🗓 Direction Down 2 DINT part10 Constant Yes **External Access:** Read/Write Direction Down - MainProgram/UpdateDirection - 6(EQU), 7(EQU), 8(EQU), 9(EQU) Direction Down - MainProgram/UpdateNextFloor - 5(EQU), 6(EQU), 7(EQU), 8(EQU) Direction_Up 1 DINT part10 Constant Yes **External Access:** Read/Write Direction Up - MainProgram/InitializeElevator - 0(MOV) Direction Up - MainProgram/UpdateDirection - 2(EQU), 3(EQU), 4(EQU), 5(EQU) Direction Up - MainProgram/UpdateNextFloor - 1(EQU), 2(EQU), 3(EQU), 4(EQU) **1** DOOR **BOOL** part10 AliasFor: Local:5:O.Data.2 Base Tag: Local:5:O.Data.2 Constant No Read/Write External Access: DOOR - FaultDetectionProgram/FaultDetection - 0(XIO) DOOR - MainProgram/InitializeElevator - *1(Door Close) DOOR - MainProgram/MainRoutine - *43(Door Control), *50(Door Open), *51(Door Close) **DoorCloseTimeout** TIMER FaultDetectionProgram Constant No **External Access:** Read/Write DoorCloseTimeout - FaultDetectionProgram/FaultDetection - *0(TON) DoorCloseTimeout.DN **BOOL** DoorCloseTimeout.DN - FaultDetectionProgram/FaultDetection - 1(XIC) DoorCtrl Door Control MainProgram control DOOR Constant No External Access: Read/Write DoorCtrl - MainProgram/MainRoutine - *43(Door Control) DoorCtrl.EnableIn **BOOL**

		n. Tersonal Polders 4th Semester RC	JB14430\F10Ject\part10.AC
DoorCtrl (Continued)			
control DOOR Enable Input - Syste	em Defined Parameter		
DoorCtrl.EnableOut	0	BOOL	
control DOOR Enable Output - Sys	stem Defined Parameter		
DoorCtrl.OnService	0	BOOL	
control DOOR	2	DD.M.	
DoorCtrl.DOOR_TIME	0	DINT	
control DOOR DoorCtrl.READY TIME	0	DINT	
control DOOR	V	DINI	
DoorCtrl.OPEN	0	BOOL	
control DOOR			
DoorCtrl.CLOSE	0	BOOL	
control DOOR	2	Door	
DoorCtrl.DOOR	0	BOOL	
control DOOR DoorCtrl.isDoorReady	0	BOOL	
control DOOR	V	BOOL	
control Book			
DoorReset		Door_Close	MainProgram
close door on reset			
Constant	No		
External Access:	Read/Write		
DoorReset - MainProgram/Initializ DoorReset.EnableIn	1	BOOL	
close door on reset Enable Input - S	System Defined Parameter	BOOL	
DoorReset.EnableOut	0	BOOL	
close door on reset Enable Output -	- System Defined Parameter		
DoorReset.DOOR	0	BOOL	
close door on reset			
Emergency Request	0	DINT	part10
Constant	No	DINI	partio
External Access:	Read/Write		
Emergency_Request - FaultDetecti	ionProgram/FaultDetection - *5(MOV)		
Emergency_Request - MainProgra	m/MainRoutine - *2(MOV), *49(MOV),	3(EQU)	
EmergencyDoorClose		Door Close	MainProgram
close door on reset		Door_Close	Maiii Iograiii
Constant	No		
External Access:	Read/Write		
	ram/MainRoutine - *51(Door_Close)		
EmergencyDoorClose.EnableIn	1	BOOL	
close door on reset Enable Input - S		DOOL	
EmergencyDoorClose.EnableOut close door on reset Enable Output		BOOL	
EmergencyDoorClose.DOOR	0	BOOL	
close door on reset			
EmergencyDoorOpen		Door_Open	MainProgram
Constant External Access:	No Read/Write		
	ram/MainRoutine - *50(Door_Open)		
EmergencyDoorOpen-Main rogr EmergencyDoorOpen.EnableIn	1	BOOL	
Enable Input - System Defined Par	rameter		
EmergencyDoorOpen.EnableOut	0	BOOL	
Enable Output - System Defined P	arameter		
ED4T'		TIMED	M-i-D
EResetTimer Constant	No	TIMER	MainProgram
External Access:	Read/Write		
EResetTimer - MainProgram/Main			
EResetTimer.DN	0	BOOL	
EResetTimer.DN - MainProgram/M	IainRoutine - 34(XIC)		

0 **FaultType** DINT FaultDetectionProgram No Constant Read/Write External Access: FaultType - FaultDetectionProgram/WriteLog - *0(SBR), 0(ADD), 0(GSV), 0(MOV) 2 DINT Floor Calls Threshold part10 Constant Yes External Access: Read/Write Floor Calls Threshold - MainProgram/SyncSharedData - 4(GRT), 5(GRT), 6(GRT), 7(GRT) Floor Calls Threshold - MainProgram/UpdateAnalysis - 3(GRT) Floor_Comparator 0 DINT MainProgram Constant No Read/Write External Access: Floor Comparator - MainProgram/UpdateDirection - *0(CPT), 2(GRT), 3(GRT), 4(GRT), 5(GRT), 6(LES), 7(LES), 8(LES), 9(LES) Floor Comparator - MainProgram/UpdateFloorRequest - *0(CPT), 1(SUB) Floor Comparator - MainProgram/UpdateNextFloor - *0(CPT), I(GRT), 2(GRT), 3(GRT), 4(GRT), 5(LES), 6(LES), 7(LES), 8(LES) 0 DINT Floor Index MainProgram Constant No External Access: Read/Write Floor Index - MainProgram/UpdateAnalysis - *0(SBR), 1(RTO), 1(XIC), 2(ADD), 2(CPT), 2(RES), 2(XIC), 2(XIO), 3(GRT), 3(OTE) 0 Floor Request DINT MainProgram Constant No External Access: Read/Write Floor Request - MainProgram/InitializeElevator - *0(MOV) Floor Request - MainProgram/MainRoutine - *10(OR), *11(OR), *12(OR), *13(OR), *14(OR), *15(OR), *8(OR), *9(OR), 10(OR), 11(OR), 12(OR), 13(OR), 14(OR), 15(OR), 8(OR), 9(OR) Floor Request - MainProgram/UpdateAnalysis - 1(XIC), 2(XIO) Floor Request - MainProgram/UpdateDirection - 10(AND), 12(NEQ) Floor Request - MainProgram/UpdateFloorRequest - *1(SUB), 1(SUB) Floor Request.0 **BOOL** Floor Request.0 - MainProgram/UpdateFloorRequest - 1(XIC) Floor Request.0 - MainProgram/UpdateNextFloor - 4(XIC), 5(XIC) Floor Request.1 **BOOL** Floor Request. 1 - MainProgram/UpdateFloorRequest - 1(XIC) Floor Request.1 - MainProgram/UpdateNextFloor - 3(XIC), 6(XIC) **BOOL** Floor Request. 2 - MainProgram/UpdateFloorRequest - 1(XIC) Floor Request.2 - MainProgram/UpdateNextFloor - 2(XIC), 7(XIC) Floor Request.3 **BOOL** Floor Request. 3 - MainProgram/UpdateFloorRequest - 1(XIC) Floor Request.3 - MainProgram/UpdateNextFloor - 1(XIC), 8(XIC) HMI Elevator HPB1 0 BOOL part10 Constant No Read/Write External Access: HMI Elevator HPB1 - MainProgram/MapInputsAndIndicators - 4(XIC) HMI Elevator HPB2 0 **BOOL** part10 Constant No Read/Write External Access: HMI Elevator HPB2 - MainProgram/MapInputsAndIndicators - 3(XIC) HMI_Elevator_HPB3 0 **BOOL** part10 Constant No Read/Write External Access: HMI Elevator HPB3 - MainProgram/MapInputsAndIndicators - 2(XIC) HMI_Elevator_HPB4 0 part10 **BOOL** Constant No Read/Write External Access: HMI Elevator HPB4 - MainProgram/MapInputsAndIndicators - 1(XIC)

0 **BOOL** 🔋 HMI Elevator HPBC part10 No Constant Read/Write External Access: HMI Elevator HPBC - MainProgram/MapInputsAndIndicators - 6(XIC) 0 HMI_Elevator_HPBE5 **BOOL** part10 Constant No External Access: Read/Write HMI Elevator HPBE5 - MainProgram/MapInputsAndIndicators - 7(XIC) 🔋 HMI Elevator HPBO **BOOL** part10 Constant No Read/Write External Access: HMI Elevator HPBO - MainProgram/MapInputsAndIndicators - 5(XIC) 0 HMI Elevator_Reset **BOOL** part10 No Constant Read/Write External Access: HMI Elevator Reset - MainProgram/MainRoutine - 32(XIC), 33(XIC), 5(XIC) HMI Elevator Reset - MainProgram/MapInputsAndIndicators - 18(XIO) HMI Elevator Reset - MainProgram/SyncSharedData - 2(XIC) **BOOL** 🛮 HMI Elevator ResetFloor1 0 part10 Constant No External Access: Read/Write HMI Elevator ResetFloor1 - MainProgram/SyncHMI - 7(XIC) HMI Elevator ResetFloor2 0 **BOOL** part10 Constant No **External Access:** Read/Write HMI_Elevator_ResetFloor2 - MainProgram/SyncHMI - 6(XIC) HMI_Elevator_ResetFloor3 **BOOL** part10 Constant No Read/Write External Access: HMI Elevator ResetFloor3 - MainProgram/SyncHMI - 5(XIC) 🔋 HMI Elevator ResetFloor4 0 **BOOL** part10 Constant No External Access: Read/Write HMI_Elevator_ResetFloor4 - MainProgram/SyncHMI - 4(XIC) HMI_Main_Status 0 DINT part10 Constant No Read/Write External Access: HMI_Main_Status - MainProgram/SyncHMI - *0(MOV), *1(MOV), *2(MOV) I int dels **BOOL** part10 AliasFor: int limitSwitches.8 Base Tag: int limitSwitches.8 Constant No **External Access:** Read/Write int dcls - FaultDetectionProgram/FaultDetection - 0(XIO) int limitSwitches - MainProgram/MapInputsAndIndicators - *8(MVM) 🛭 int fil1 **BOOL** part10 AliasFor: int indicatorLights.11 Base Tag: int indicatorLights.11 Constant No External Access: Read/Write int fill - MainProgram/MapInputsAndIndicators - *10(OTE), 10(XIC) int indicatorLights - MainProgram/InitializeElevator - *1(MOV) int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM)

🗓 int fil2 **BOOL** 0 part10 AliasFor: int indicatorLights.10 Base Tag: int indicatorLights.10 Constant External Access: Read/Write int fil2 - MainProgram/MapInputsAndIndicators - *11(OTE), 11(XIC) int indicatorLights - MainProgram/InitializeElevator - *1(MOV) int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM) int_fil3 **BOOL** part10 AliasFor: int indicatorLights.9 Base Tag: int_indicatorLights.9 Constant No External Access: Read/Write int fil3 - MainProgram/MapInputsAndIndicators - *12(OTE), 12(XIC) int indicatorLights - MainProgram/InitializeElevator - *1(MOV) int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM) 🛭 int fil4 **BOOL** part10 AliasFor: int indicatorLights.8 Base Tag: int indicatorLights.8 Constant External Access: Read/Write int_fil4 - MainProgram/MapInputsAndIndicators - *13(OTE), 13(XIC) int indicatorLights - MainProgram/InitializeElevator - *1(MOV) int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM) 🗓 int fls1 **BOOL** part10 AliasFor: int limitSwitches.0 Base Tag: int limitSwitches.0 Constant No External Access: Read/Write int fls1 - FaultDetectionProgram/FaultDetection - 4(XIC) int fls1 - MainProgram/MainRoutine - 24(XIC), 28(XIC), 29(XIC), 31(XIC) int fls1 - MainProgram/MapInputsAndIndicators - 10(XIO), 14(XIO) int limitSwitches - MainProgram/MapInputsAndIndicators - *8(MVM) 🗓 int fls2 **BOOL** part10 AliasFor: int limitSwitches.1 Base Tag: int limitSwitches.1 Constant No External Access: Read/Write int fls2 - FaultDetectionProgram/FaultDetection - 4(XIC) int fls2 - MainProgram/MainRoutine - 28(XIC), 29(XIC), 31(XIC) int fls2 - MainProgram/MapInputsAndIndicators - 11(XIO), 15(XIO) int limitSwitches - MainProgram/MapInputsAndIndicators - *8(MVM) 🛚 int fls3 **BOOL** part10 AliasFor: int limitSwitches.2 Base Tag: int limitSwitches.2 Constant No **External Access:** Read/Write int fls3 - FaultDetectionProgram/FaultDetection - 4(XIC) int fls3 - MainProgram/MainRoutine - 28(XIC), 29(XIC), 31(XIC) int fls3 - MainProgram/MapInputsAndIndicators - 12(XIO), 16(XIO) int limitSwitches - MainProgram/MapInputsAndIndicators - *8(MVM) int fls4 **BOOL** part10 int limitSwitches.3 AliasFor: Base Tag: int limitSwitches.3 Constant Read/Write External Access: int fls4 - FaultDetectionProgram/FaultDetection - 4(XIC) int fls4 - MainProgram/MainRoutine - 28(XIC), 29(XIC), 31(XIC)

```
part10 (Controller)
```

🗓 int il3

AliasFor:

```
H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD
 int fls4 (Continued)
   int fls4 - MainProgram/MapInputsAndIndicators - 13(XIO), 17(XIO)
   int limitSwitches - MainProgram/MapInputsAndIndicators - *8(MVM)
                                                                           BOOL
                                                                                                                 part10
int fpb1
   AliasFor:
                                     int pushbuttons.11
   Base Tag:
                                     int pushbuttons.11
   Constant
                                     No
   External Access:
                                     Read/Write
   int fpb1 - MainProgram/MainRoutine - 8(XIC)
   int fpb1 - MainProgram/MapInputsAndIndicators - 10(XIC)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
🗓 int fpb2
                                                                           BOOL
                                                                                                                 part10
                                     int_pushbuttons.10
   AliasFor:
   Base Tag:
                                     int pushbuttons.10
   Constant
                                     Read/Write
   External Access:
   int fpb2 - MainProgram/MainRoutine - 9(XIC)
   int fpb2 - MainProgram/MapInputsAndIndicators - 11(XIC)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
int fpb3
                                                                           BOOL
                                                                                                                 part10
   AliasFor:
                                     int pushbuttons.9
                                     int pushbuttons.9
   Base Tag:
   Constant
                                     No
   External Access:
                                     Read/Write
   int fpb3 - MainProgram/MainRoutine - 10(XIC)
   int fpb3 - MainProgram/MapInputsAndIndicators - 12(XIC)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
                                                                           BOOL
🗓 int fpb4
                                                                                                                 part10
   AliasFor:
                                     int pushbuttons.8
   Base Tag:
                                     int pushbuttons.8
   Constant
                                     No
   External Access:
                                     Read/Write
   int fpb4 - MainProgram/MainRoutine - 11(XIC)
   int fpb4 - MainProgram/MapInputsAndIndicators - 13(XIC)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
🛭 int il1
                                                                           BOOL
                                                                                                                 part10
   AliasFor:
                                     int indicatorLights.3
   Base Tag:
                                     int indicatorLights.3
   Constant
   External Access:
                                     Read/Write
   int ill - MainProgram/MapInputsAndIndicators - *14(OTE), 14(XIC)
   int indicatorLights - MainProgram/InitializeElevator - *1(MOV)
   int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM)
                                                                           BOOL
🗓 int il2
                                                                                                                 part10
   AliasFor:
                                     int indicatorLights.2
   Base Tag:
                                     int indicatorLights.2
   Constant
                                     No
   External Access:
                                     Read/Write
   int il2 - MainProgram/MapInputsAndIndicators - *15(OTE), 15(XIC)
   int indicatorLights - MainProgram/InitializeElevator - *1(MOV)
   int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM)
```

BOOL

int indicatorLights.1

part10

int il3 (Continued) Base Tag: int indicatorLights.1 Constant No Read/Write External Access: int il3 - MainProgram/MapInputsAndIndicators - *16(OTE), 16(XIC) int_indicatorLights - MainProgram/InitializeElevator - *1(MOV) int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM) 🗓 int il4 **BOOL** part10 AliasFor: int indicatorLights.0 Base Tag: int indicatorLights.0 Constant No Read/Write External Access: int il4 - MainProgram/MapInputsAndIndicators - *17(OTE), 17(XIC) int indicatorLights - MainProgram/InitializeElevator - *1(MOV) int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM) 🗓 int ile5 **BOOL** part10 AliasFor: int indicatorLights.6 int indicatorLights.6 Base Tag: Constant No Read/Write External Access: int ile5 - MainProgram/MapInputsAndIndicators - *18(OTE), 10(XIO), 11(XIO), 12(XIO), 13(XIO), 14(XIO), 15(XIO), 16(XIO), 17(XIO), int ile5 - MainProgram/SyncHMI - 0(XIO), 1(XIO), 2(XIC) int indicatorLights - MainProgram/InitializeElevator - *1(MOV) int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM) 🗓 int ilts0 **BOOL** part10 AliasFor: int indicatorLights.14 Base Tag: int indicatorLights.14 Constant No **External Access:** Read/Write int ilts0 - MainProgram/SyncSharedData - *1(OTE) int indicatorLights - MainProgram/InitializeElevator - *1(MOV) int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM) 🔋 int indicatorLights 0 DINT part10 Constant No External Access: Read/Write int indicatorLights - MainProgram/InitializeElevator - *1(MOV) int indicatorLights - MainProgram/MapInputsAndIndicators - 20(MVM) int indicatorLights.0 **BOOL** int il4 - MainProgram/MapInputsAndIndicators - *17(OTE), 17(XIC) int indicatorLights.1 **BOOL** int il3 - MainProgram/MapInputsAndIndicators - *16(OTE), 16(XIC) int indicatorLights.2 BOOL int il2 - MainProgram/MapInputsAndIndicators - *15(OTE), 15(XIC) int indicatorLights.3 **BOOL** int ill - MainProgram/MapInputsAndIndicators - *14(OTE), 14(XIC) int indicatorLights.6 **BOOL** int ile5 - MainProgram/MapInputsAndIndicators - *18(OTE), 10(XIO), 11(XIO), 12(XIO), 13(XIO), 14(XIO), 15(XIO), 16(XIO), 17(XIO), 18(XIC) int ile5 - MainProgram/SyncHMI - 0(XIO), 1(XIO), 2(XIC) int indicatorLights.8 **BOOL** int_fil4 - MainProgram/MapInputsAndIndicators - *13(OTE), 13(XIC) int indicatorLights.9 **BOOL** int fil3 - MainProgram/MapInputsAndIndicators - *12(OTE), 12(XIC) **BOOL** int indicatorLights.10 int fil2 - MainProgram/MapInputsAndIndicators - *11(OTE), 11(XIC) **BOOL** int indicatorLights.11 int fill - MainProgram/MapInputsAndIndicators - *10(OTE), 10(XIC) **BOOL** int indicatorLights.14 int ilts0 - MainProgram/SyncSharedData - *1(OTE)

```
0
🔋 int limitSwitches
                                                                           DINT
                                                                                                                 part10
   Constant
                                     No
                                     Read/Write
   External Access:
   int limitSwitches - MainProgram/MapInputsAndIndicators - *8(MVM)
 int limitSwitches.0
                                                                           BOOL
   int fls1 - FaultDetectionProgram/FaultDetection - 4(XIC)
   int fls1 - MainProgram/MainRoutine - 24(XIC), 28(XIC), 29(XIC), 31(XIC)
   int fls1 - MainProgram/MapInputsAndIndicators - 10(XIO), 14(XIO)
 int limitSwitches.1
                                                                           BOOL
   int fls2 - FaultDetectionProgram/FaultDetection - 4(XIC)
   int fls2 - MainProgram/MainRoutine - 28(XIC), 29(XIC), 31(XIC)
   int fls2 - MainProgram/MapInputsAndIndicators - 11(XIO), 15(XIO)
 int limitSwitches.2
                                                                           BOOL
   int fls3 - FaultDetectionProgram/FaultDetection - 4(XIC)
   int fls3 - MainProgram/MainRoutine - 28(XIC), 29(XIC), 31(XIC)
   int fls3 - MainProgram/MapInputsAndIndicators - 12(XIO), 16(XIO)
                                                                           BOOL
 int limitSwitches.3
   int fls4 - FaultDetectionProgram/FaultDetection - 4(XIC)
   int fls4 - MainProgram/MainRoutine - 28(XIC), 29(XIC), 31(XIC)
   int fls4 - MainProgram/MapInputsAndIndicators - 13(XIO), 17(XIO)
 int limitSwitches.8
                                                                           BOOL
   int dcls - FaultDetectionProgram/FaultDetection - 0(XIO)
🔋 int maintenance
                                                                           BOOL
                                                                                                                 part10
   Constant
                                     No
   External Access:
                                     Read/Write
   int maintenance - MainProgram/SyncSharedData - *0(OTE), 0(XIC), 1(XIC)
I int pb1
                                                                           BOOL
                                                                                                                 part10
                                     int pushbuttons.3
   AliasFor:
   Base Tag:
                                     int pushbuttons.3
   Constant
   External Access:
                                     Read/Write
   int_pb1 - MainProgram/MainRoutine - 12(XIC)
   int pb1 - MainProgram/MapInputsAndIndicators - 14(XIC)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
I int_pb2
                                                                           BOOL
                                                                                                                 part10
   AliasFor:
                                     int pushbuttons.2
                                     int_pushbuttons.2
   Base Tag:
   Constant
                                     No
                                     Read/Write
   External Access:
   int pb2 - MainProgram/MainRoutine - 13(XIC)
   int pb2 - MainProgram/MapInputsAndIndicators - 15(XIC)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
🗓 int pb3
                                                                           BOOL.
                                                                                                                 part10
   AliasFor:
                                     int pushbuttons.1
   Base Tag:
                                     int pushbuttons.1
   Constant
                                     No
   External Access:
                                     Read/Write
   int pb3 - MainProgram/MainRoutine - 14(XIC)
   int pb3 - MainProgram/MapInputsAndIndicators - 16(XIC)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
🗓 int pb4
                                                                           BOOL
                                                                                                                 part10
   AliasFor:
                                     int pushbuttons.0
   Base Tag:
                                     int pushbuttons.0
   Constant
                                     No
   External Access:
                                     Read/Write
   int pb4 - MainProgram/MainRoutine - 15(XIC)
```

int pushbuttons.10

```
part10 (Controller)
                                                                                                                      5/8/2021 7:52:16 PM
 int pb4 (Continued)
   int pb4 - MainProgram/MapInputsAndIndicators - 17(XIC)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
                                                                          BOOL
🗓 int_pbc
                                                                                                               part10
   AliasFor:
                                    int pushbuttons.5
   Base Tag:
                                    int pushbuttons.5
   Constant
                                    No
                                    Read/Write
   External Access:
   int pbc - MainProgram/MainRoutine - 43(Door Control)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
🔋 int pbe5
                                                                          BOOL
                                                                                                               part10
                                    int_pushbuttons.6
   AliasFor:
   Base Tag:
                                    int pushbuttons.6
   Constant
                                    Read/Write
   External Access:
   int pbe5 - MainProgram/MainRoutine - 2(XIC)
   int pbe5 - MainProgram/MapInputsAndIndicators - 18(XIC)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
🛘 int_pbo
                                                                          BOOL
                                                                                                               part10
   AliasFor:
                                    int pushbuttons.4
   Base Tag:
                                    int pushbuttons.4
   Constant
                                    No
   External Access:
                                    Read/Write
   int pbo - MainProgram/MainRoutine - 31(XIC), 43(Door Control)
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
int_pushbuttons
                                    0
                                                                          DINT
                                                                                                               part10
   Constant
                                    No
   External Access:
                                    Read/Write
   int pushbuttons - MainProgram/MapInputsAndIndicators - *0(MVM), *1(OR), *2(OR), *3(OR), *4(OR), *5(OR), *6(OR), *7(OR), 1(OR),
    2(OR), 3(OR), 4(OR), 5(OR), 6(OR), 7(OR)
 int pushbuttons.0
                                                                          BOOL
   int pb4 - MainProgram/MainRoutine - 15(XIC)
   int pb4 - MainProgram/MapInputsAndIndicators - 17(XIC)
 int pushbuttons.1
                                                                          BOOL
   int pb3 - MainProgram/MainRoutine - 14(XIC)
   int pb3 - MainProgram/MapInputsAndIndicators - 16(XIC)
 int pushbuttons.2
                                                                          BOOL
   int pb2 - MainProgram/MainRoutine - 13(XIC)
   int pb2 - MainProgram/MapInputsAndIndicators - 15(XIC)
 int pushbuttons.3
                                                                          BOOL
   int pb1 - MainProgram/MainRoutine - 12(XIC)
   int pb1 - MainProgram/MapInputsAndIndicators - 14(XIC)
 int pushbuttons.4
                                                                          BOOL
   int pbo - MainProgram/MainRoutine - 31(XIC), 43(Door Control)
 int pushbuttons.5
                                                                          BOOL
   int pbc - MainProgram/MainRoutine - 43(Door Control)
 int pushbuttons.6
                                                                          BOOL
   int pbe5 - MainProgram/MainRoutine - 2(XIC)
   int pbe5 - MainProgram/MapInputsAndIndicators - 18(XIC)
                                                                          BOOL
 int pushbuttons.8
   int fpb4 - MainProgram/MainRoutine - 11(XIC)
   int fpb4 - MainProgram/MapInputsAndIndicators - 13(XIC)
                                                                          BOOL
 int pushbuttons.9
   int fpb3 - MainProgram/MainRoutine - 10(XIC)
   int fpb3 - MainProgram/MapInputsAndIndicators - 12(XIC)
```

BOOL

```
int pushbuttons (Continued)
   int_fpb2 - MainProgram/MainRoutine - 9(XIC)
   int fpb2 - MainProgram/MapInputsAndIndicators - 11(XIC)
                                                                        BOOL
 int pushbuttons.11
   int fpb1 - MainProgram/MainRoutine - 8(XIC)
   int fpb1 - MainProgram/MapInputsAndIndicators - 10(XIC)
Is Maintenance_Required
                                   0
                                                                        DINT
                                                                                                            part10
   Constant
                                   No
   External Access:
                                   Read/Write
   Is Maintenance Required - MainProgram/UpdateAnalysis - *3(OTE)
 Is_Maintenance_Required.0
                                                                        BOOL
   Is Maintenance Required.0 - MainProgram/SyncHMI - 0(XIO), 1(XIC)
 Is Maintenance Required.1
                                                                        BOOL
   Is Maintenance Required.1 - MainProgram/SyncHMI - 0(XIO), 1(XIC)
 Is_Maintenance_Required.2
                                                                        BOOL
   Is Maintenance Required.2 - MainProgram/SyncHMI - 0(XIO), 1(XIC)
 Is_Maintenance_Required.3
                                                                        BOOL
   Is Maintenance Required.3 - MainProgram/SyncHMI - 0(XIO), 1(XIC)
                                   0
  isDoorReady
                                                                        BOOL
                                                                                                            MainProgram
   Constant
                                   No
   External Access:
                                   Read/Write
   isDoorReady - MainProgram/MainRoutine - *43(Door Control), *45(OTU), 26(XIC), 27(XIC), 44(XIC)
Local:2:I
                                                                        AB:1769_DI16:I:0
                                                                                                            part10
   Constant
                                   No
   External Access:
                                   Read/Write
 Local:2:I.Data
                                   2#1000 0000 0000 0000
                                                                        INT
   Local: 2:I.Data - MainProgram/MapInputsAndIndicators - 0(MVM)
Local:3:I
                                                                        AB:1769 DI16:I:0
                                                                                                            part10
   Constant
                                   No
   External Access:
                                   Read/Write
                                   2\#0000\ 0001\_0000\_0000
 Local:3:I.Data
                                                                        INT
   Local: 3:I.Data - MainProgram/MapInputsAndIndicators - 8(MVM)
Local:4:0
                                                                        AB:1769 DO16:O:0
                                                                                                            part10
   Constant
                                   No
   External Access:
                                   Read/Write
 Local:4:O.Data
                                   2#0100 0000 0000 0000
                                                                        INT
   Local: 4: O.Data - MainProgram/MapInputsAndIndicators - *20(MVM)
Local:5:O
                                                                        AB:1769_DO16:O:0
                                                                                                            part10
   Constant
                                   No
                                   Read/Write
   External Access:
 Local:5:O.Data.0
                                                                        BOOL
   MOTOR - MainProgram/MainRoutine - *54(OTE)
 Local:5:O.Data.2
                                                                        BOOL
   DOOR - FaultDetectionProgram/FaultDetection - 0(XIO)
   DOOR - MainProgram/InitializeElevator - *1(Door Close)
   DOOR - MainProgram/MainRoutine - *43(Door Control), *50(Door Open), *51(Door Close)
 Local:5:O.Data.4
                                                                        BOOL
   DIR - MainProgram/MainRoutine - *55(OTE)
🛘 Logs
                                                                        FaultLog[3]
                                                                                                            part10
   Constant
                                   No
                                   Read/Write
   External Access:
   Logs - FaultDetectionProgram/WriteLog - *0(ADD), *0(GSV), 0(ADD), 0(MOV)
 Logs[0].Occurrence
                                                                        DINT
   Logs[0].Occurrence - FaultDetectionProgram/FaultDetection - 7(GEQ)
 Logs[0].Status
                                                                        BOOL
   Logs[0].Status - FaultDetectionProgram/FaultDetection - *1(OTE), 2(XIC)
   Logs[0].Status - MainProgram/SyncSharedData - 11(XIC)
```

Logs (Continued) DINT Logs[1].Occurrence Logs[1].Occurrence - FaultDetectionProgram/FaultDetection - 7(GEQ) **BOOL** Logs[1].Status Logs[1].Status - FaultDetectionProgram/FaultDetection - *4(OTE), 5(XIC) Logs[1].Status - MainProgram/SyncSharedData - 12(XIC) Logs[2].Occurrence DINT Logs[2].Occurrence - FaultDetectionProgram/FaultDetection - 7(GEQ) **BOOL** Logs[2].Status Logs[2].Status - FaultDetectionProgram/FaultDetection - *7(OTE), 8(XIC) Logs[2].Status - MainProgram/SyncSharedData - 13(XIC) MOTOR **BOOL** part10 run motor Local:5:O.Data.0 AliasFor: Local:5:O.Data.0 Base Tag: Constant External Access: Read/Write MOTOR - MainProgram/MainRoutine - *54(OTE) 🛘 NET Floor1 Maintenance Required **BOOL** part10 Constant No Read/Write External Access: NET Floor1 Maintenance Required - MainProgram/SyncSharedData - *4(OTE), 8(XIC) 🕽 NET Floor2 Maintenance Required **BOOL** part10 Constant No External Access: Read/Write NET Floor2 Maintenance Required - MainProgram/SyncSharedData - *5(OTE), 8(XIC) **NET Floor3 Maintenance Required BOOL** part10 No Constant External Access: Read/Write NET Floor3 Maintenance Required - MainProgram/SyncSharedData - *6(OTE), 8(XIC) 🛮 NET Floor4 Maintenance Required **BOOL** part10 Constant **External Access:** Read/Write NET_Floor4_Maintenance_Required - MainProgram/SyncSharedData - *7(OTE), 8(XIC) **Next Floor** 0 DINT MainProgram Constant No External Access: Read/Write Next Floor - MainProgram/InitializeFloorVariables - *0(MOV) Next Floor - MainProgram/MainRoutine - *6(MOV), 25(EQU), 26(GRT), 27(LES), 28(EQU), 29(EQU), 30(EQU), 39(MOV) Next Floor - MainProgram/UpdateNextFloor - *1(MOV), *2(MOV), *3(MOV), *4(MOV), *5(MOV), *6(MOV), *7(MOV), *8(MOV) Next_State DINT MainProgram Constant No Read/Write External Access: Next State - MainProgram/MainRoutine - *20(MOV), *24(ADD), *25(ADD), *26(MOV), *27(MOV), *28(MOV), *29(MOV), *3(MOV), *30(MOV), *31(ADD), *32(MOV), *33(MOV), *34(MOV), *6(MOV), 22(MOV), 22(NEQ), 24(ADD), 25(ADD), 31(ADD), 36(EQU), 37(EQU), 38(EQU), 39(EQU), 40(EQU), 42(EQU), 43(EQU), 44(EQU), 45(EQU), 47(EQU), 49(EQU), 50(EQU), 51(EQU), 52(EQU), 54(EQU), 55(EQU) Occurrence 0 DINT FaultDetectionProgram Constant No Read/Write External Access: Occurrence - FaultDetectionProgram/WriteLog - *0(MOV), 0(GSV)

OnDoorFirstClose 0 BOOL MainProgram

Constant No

External Access: Read/Write

OnDoorFirstClose - MainProgram/MainRoutine - *44(OTE) OnDoorFirstClose - MainProgram/UpdateAnalysis - 2(XIC)

OnService 0 BOOL MainProgram

Constant No

External Access: Read/Write

OnService - MainProgram/MainRoutine - *42(OTE), 43(Door_Control)

Restart_Request 0 DINT MainProgram

Constant No

External Access: Read/Write

Restart_Request - MainProgram/InitializeElevator - *1(MOV)
Restart_Request - MainProgram/MainRoutine - *5(MOV), 6(EQU)

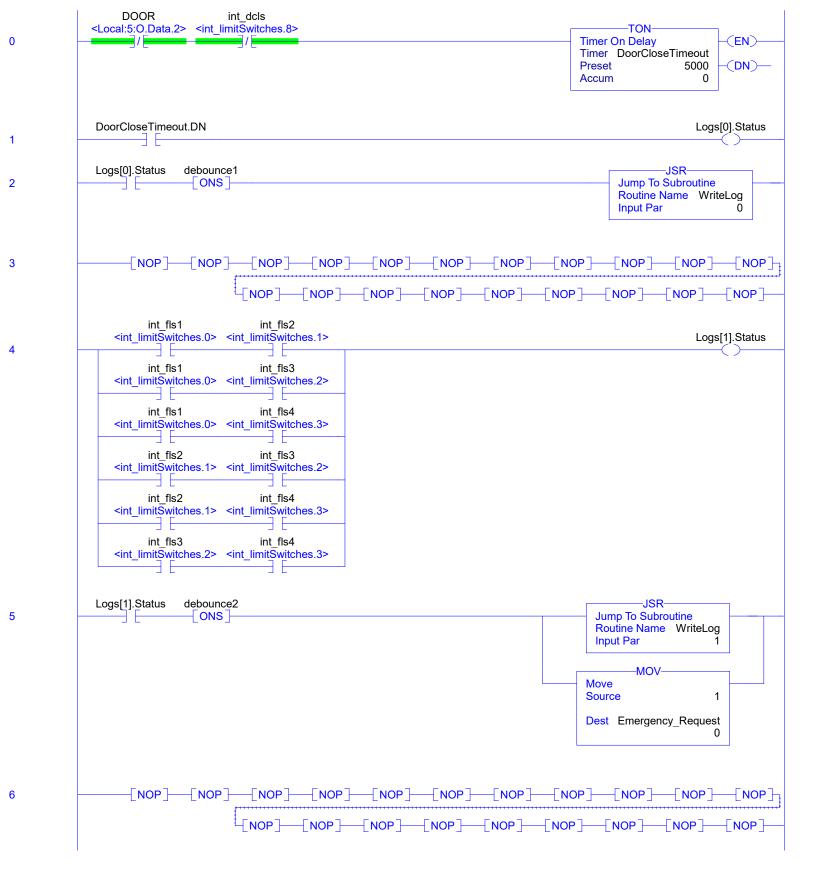
Service_Time_Threshold 30000 DINT part10

Constant Yes
External Access: Read/Write

Service Time Threshold - MainProgram/SyncSharedData - 4(GRT), 5(GRT), 6(GRT), 7(GRT)

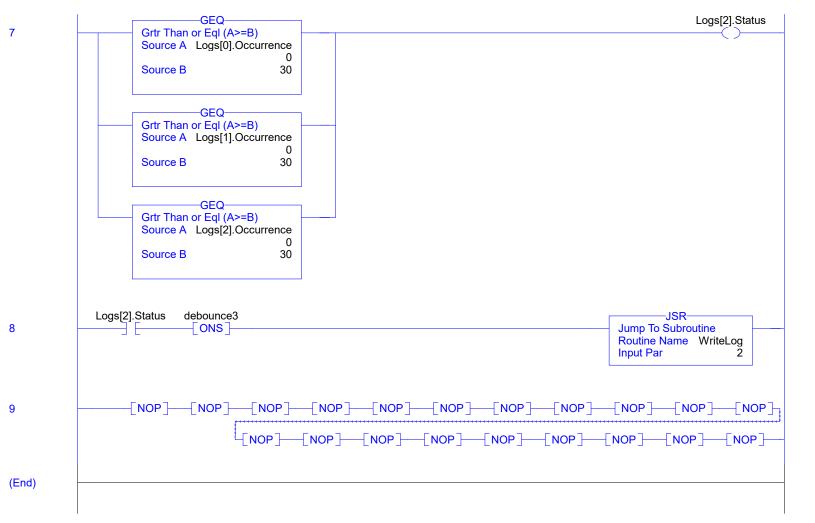
Service Time Threshold - MainProgram/UpdateAnalysis - 3(GRT)

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD



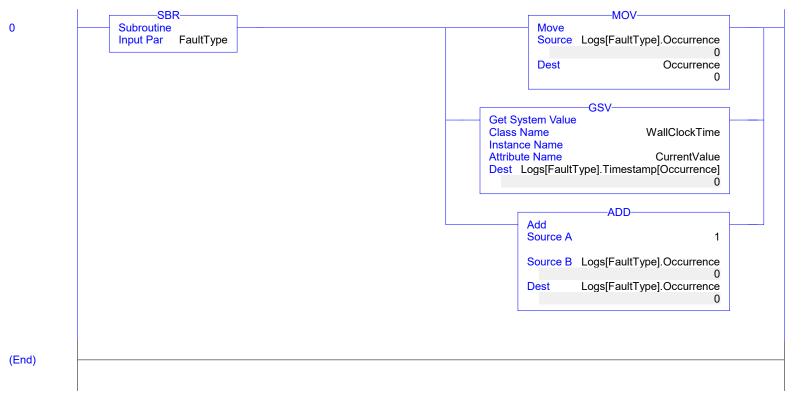
part10:FaultDetectionTask:FaultDetectionProgram Total number of rungs in routine: 10

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

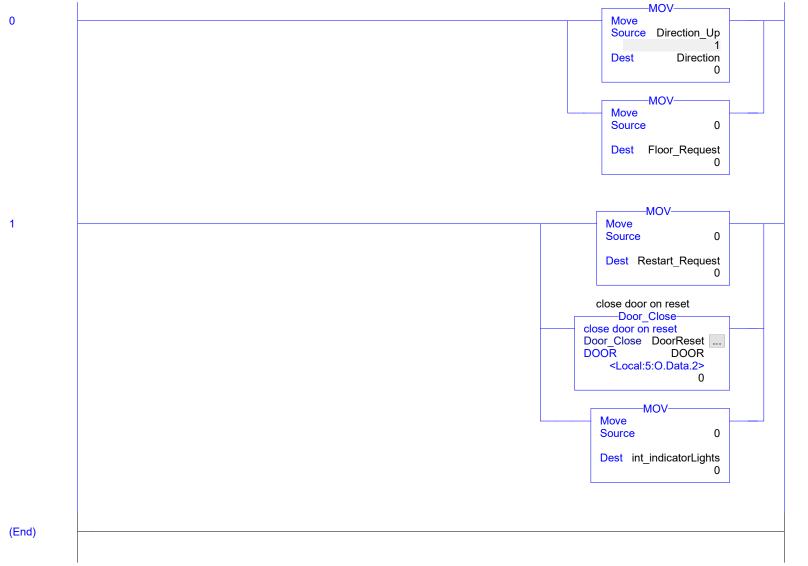


5/8/2021 7:52:20 PM

Total number of rungs in routine: 1 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD



Total number of rungs in routine: 2 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD



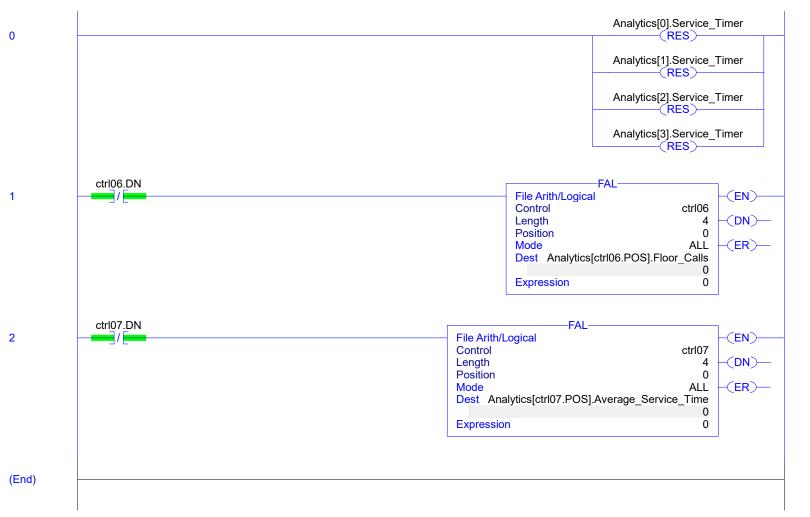
InitializeFloorVariables - Ladder Diagram

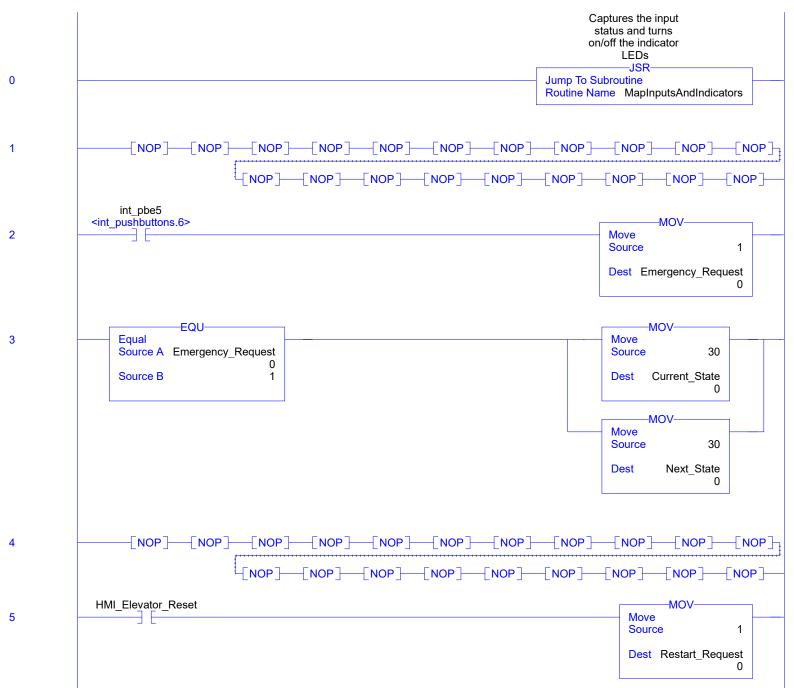
H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

part10:MainTask:MainProgram Total number of rungs in routine: 1 -MOV-



H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

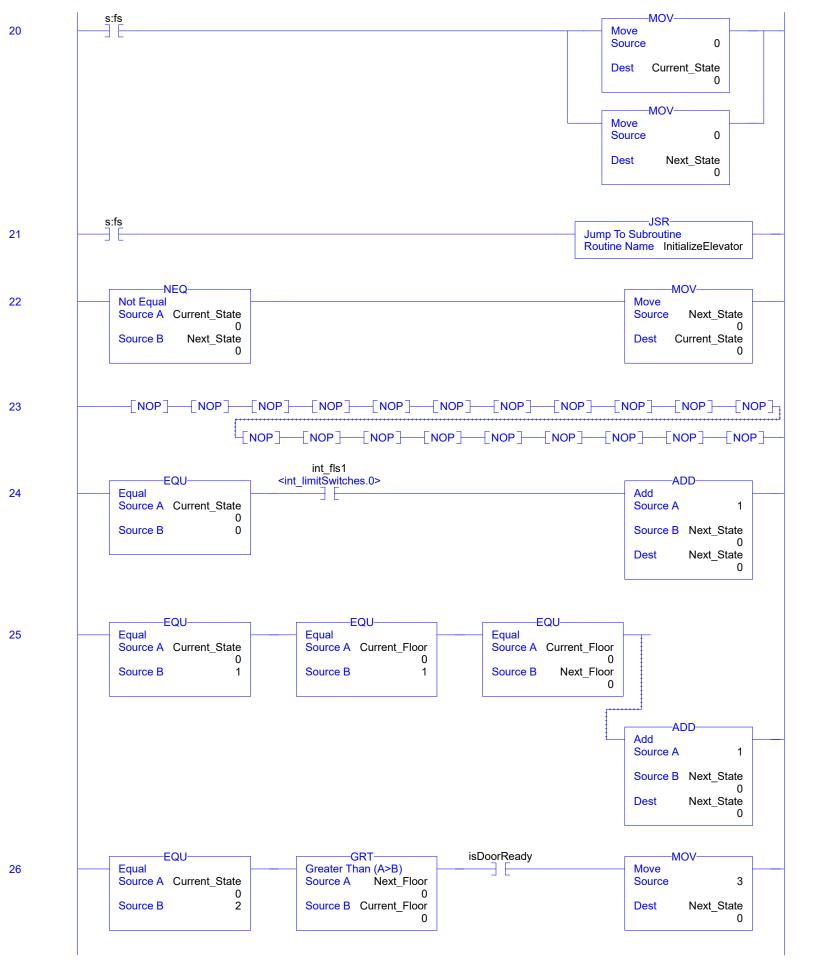




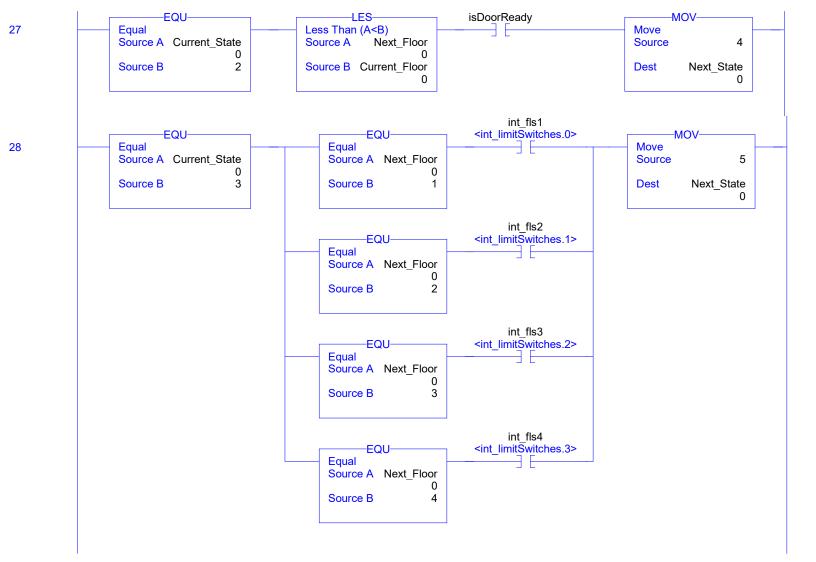
Total number of rungs in routine: 56 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD EQU--LIM--MOV-Limit Test (CIRC) 6 Equal Move 0 Source A Restart Request Low Limit Source 0 Source B 1 Test Current State Current State **High Limit** 5 -MOV-Move Source 0 Dest Next State -MOV-Move Source 0 Dest Next_Floor int fpb1 <int_pushbuttons.11> Bitwise Inclusive OR Source A 2#0000_0000_0000_0001 Source B Floor_Request Floor Request Dest int_fpb2 <int_pushbuttons.10> Bitwise Inclusive OR Source A 2#0000_0000_0000_0010 Source B Floor Request 0 Floor_Request Dest 0 int_fpb3 <int pushbuttons.9> Bitwise Inclusive OR 10 Source A 2#0000 0000 0000 0100 Source B Floor_Request 0 Dest Floor_Request 0 int_fpb4 <int pushbuttons.8> OR-Bitwise Inclusive OR 11 Source A 2#0000_0000_0000_1000 Source B Floor_Request 0 Floor Request Dest 0



H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

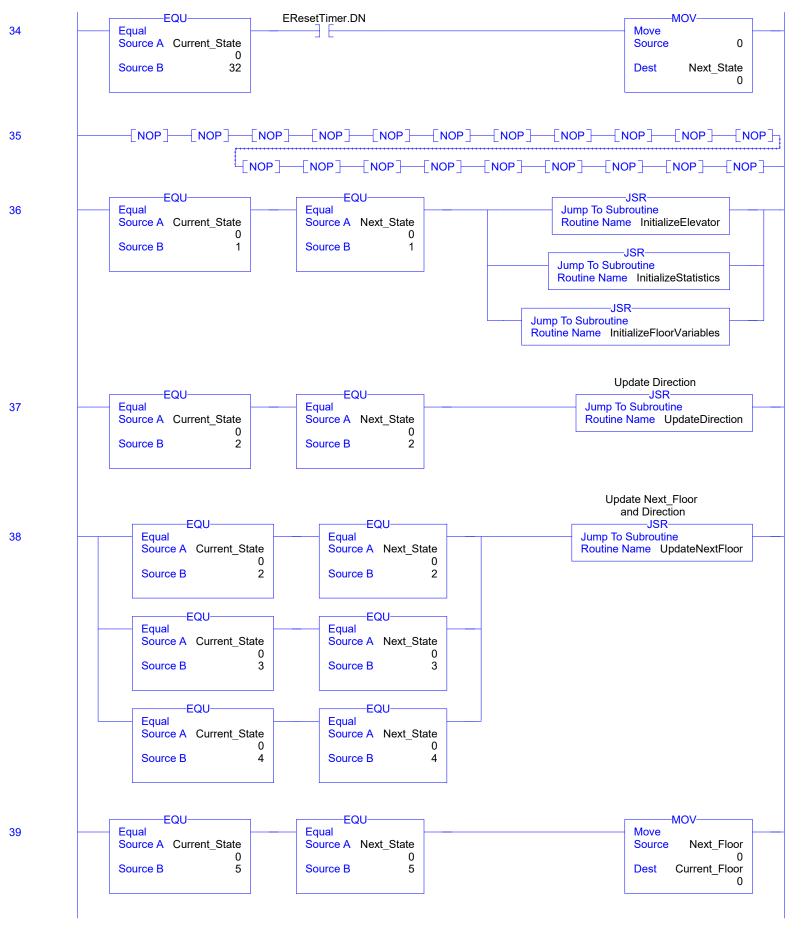


Total number of rungs in routine: 56 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

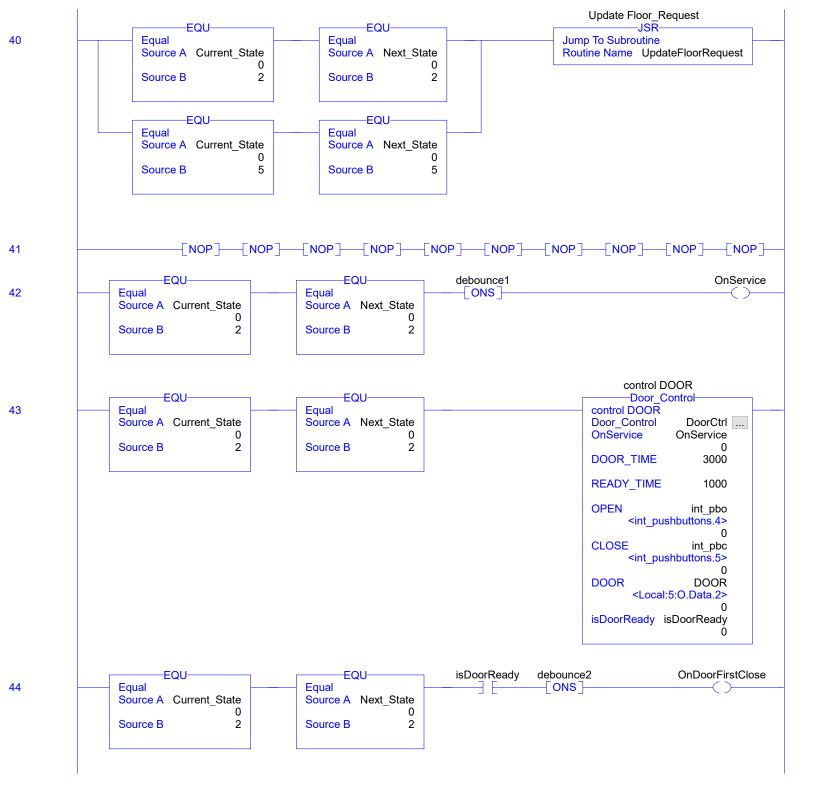


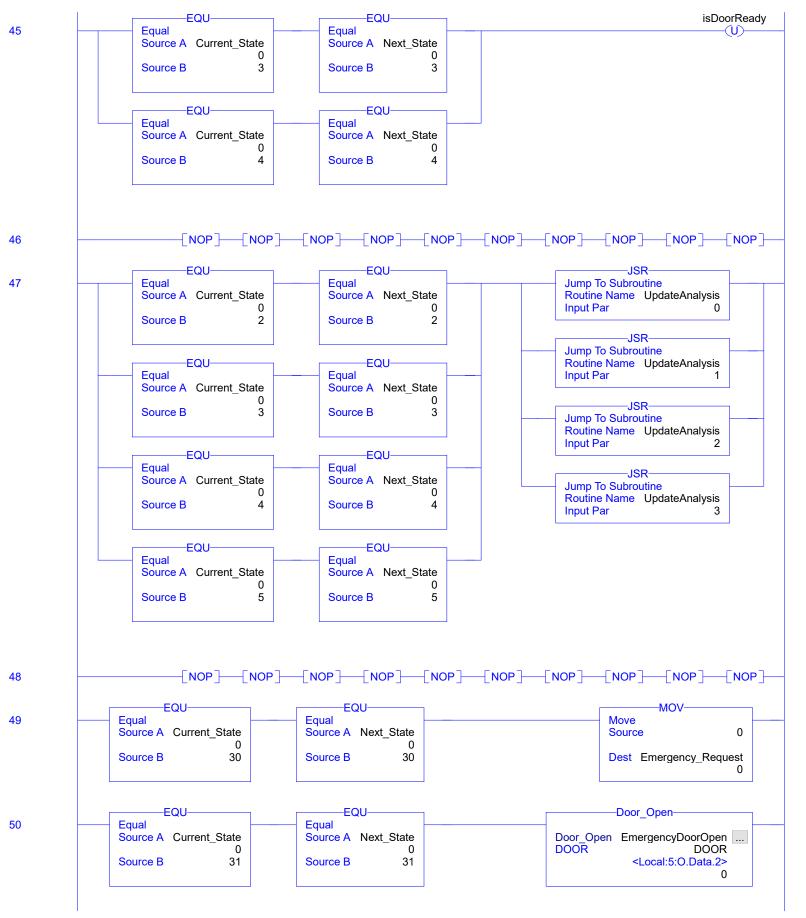
Total number of rungs in routine: 56 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD int_fls1 -EQU--EQU-<int_limitSwitches.0> -MOV-29 Equal Equal Move Source A Current_State Source A Next_Floor 5 Source Source B Source B Dest Next_State int_fls2 <int_limitSwitches.1> -EQU-Equal Source A Next Floor Source B int_fls3 -EQU-<int limitSwitches.2> Equal Source A Next_Floor 0 Source B int fls4 <int_limitSwitches.3> -EQU-Equal Source A Next_Floor 0 Source B EQU--EQU-MOV-30 Equal Equal Move Source A Current_State 2 Source A Current_Floor Source Next State Source B Source B Next Floor Dest 0 0 int fls1 int pbo <int_limit\overline{S}\text{witches.0>} -EQU-<int pushbuttons.4> ADD-Add Equal Source A Current_State Source A int fls2 <int_limitSwitches.1> Source B Source B Next_State int_fls3 **Dest** Next_State <int limitSwitches.2> 0 int fls4 <int limitSwitches.3> -EQU-HMI_Elevator_Reset MOV-32 Equal Move Source A Current_State 32 Source Source B 30 Dest Next_State -EQU-HMI Elevator Reset -MOV-33 Equal Move Source A Current_State Source 32 Source B 31 Dest Next State

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD



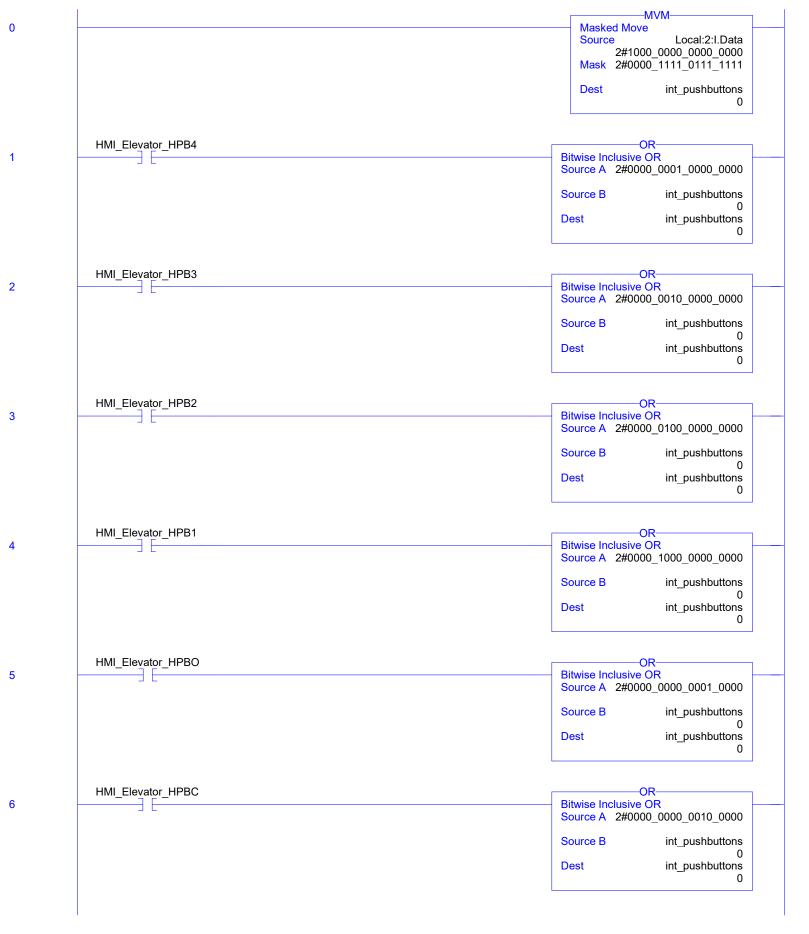
Total number of rungs in routine: 56 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

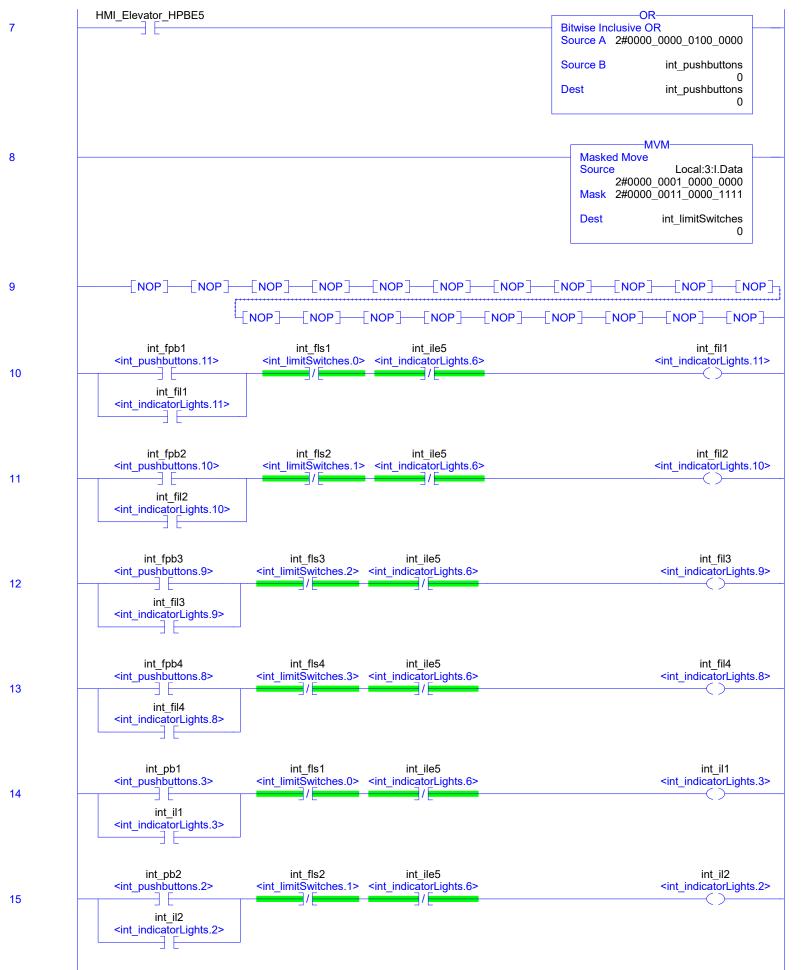


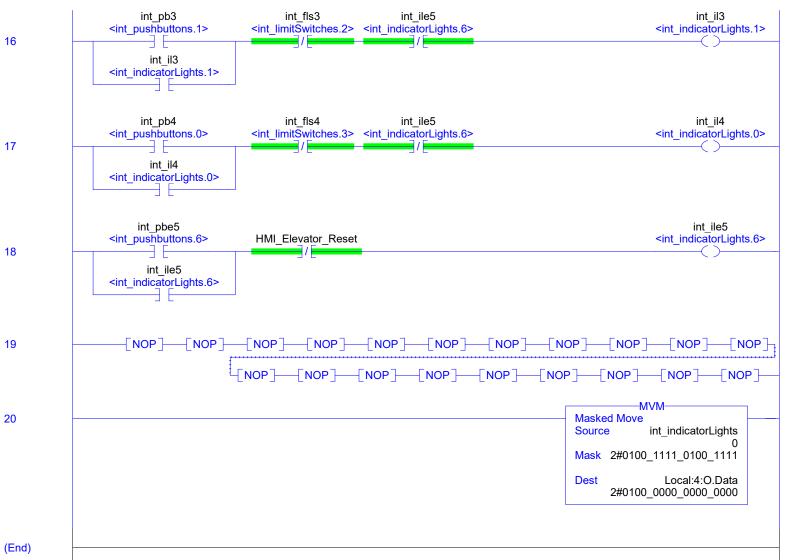


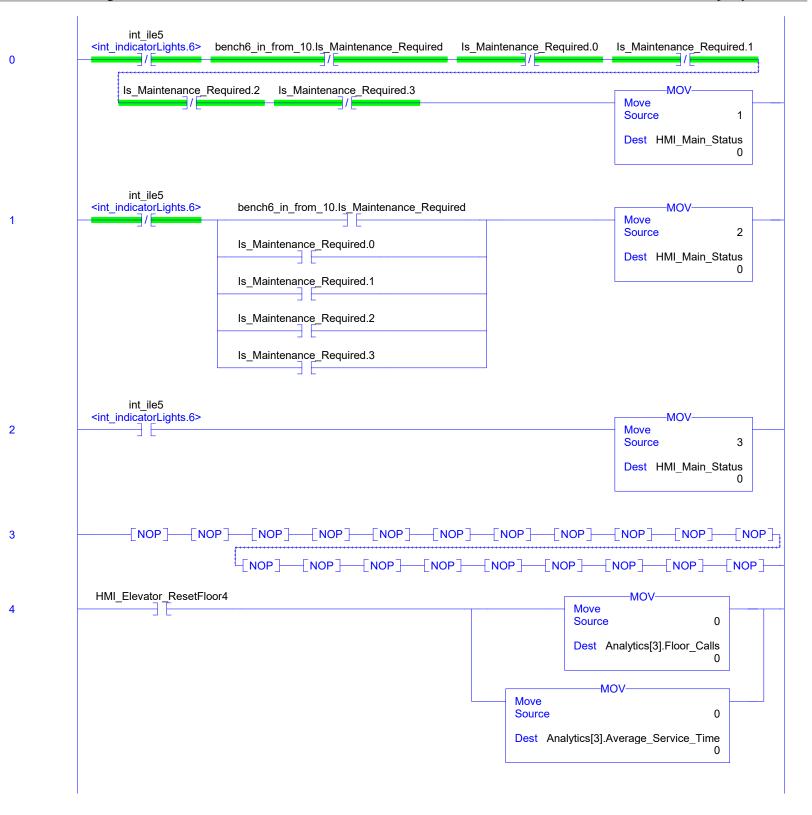
(End)

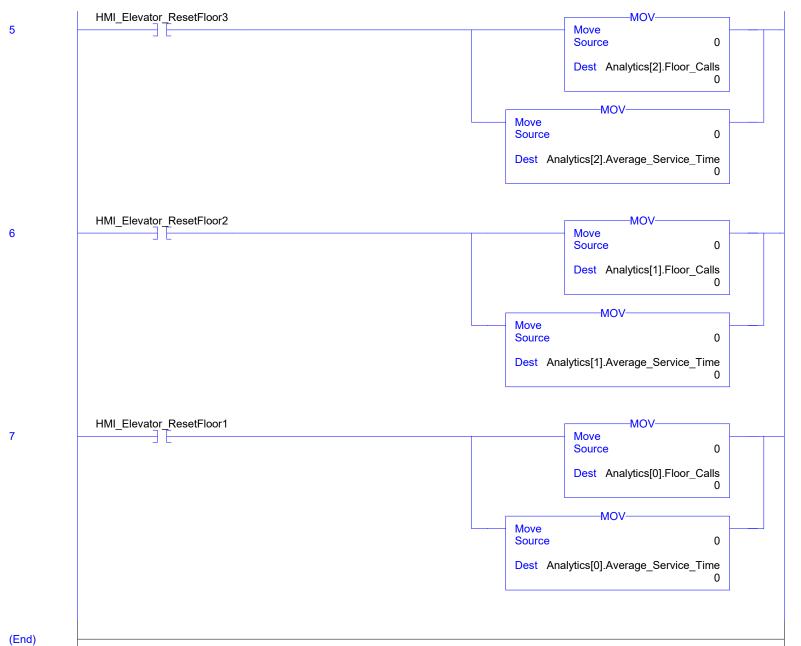
Total number of rungs in routine: 56 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD close door on reset -EQU--EQU--Door_Closeclose door on reset 51 Equal Equal Source A Next_State Door_Close EmergencyDoorClose Source A Current_State DOOR DOOR <Local:5:O.Data.2> Source B Source B -EQU----EQU--TON-Equal 52 Equal Timer On Delay (EN)Source A Current State Source A Next State Timer EResetTimer 1000 -(DN)-Preset Source B Source B Accum 53 run motor MOTOR -EQU--EQU-<Local:5:O.Data.0> 54 Equal Equal Source A Current_State Source A Next_State Source B Source B -EQU--EQU-Equal Equal Source A Current_State Source A Next_State Source B Source B -EQU----EQU-Equal Source A Current_State Source A Next_State Source B 4 Source B 4 activate direction relay DIR -EQU----EQU-<Local:5:O.Data.4> Equal Equal 55 Source A Current_State Source A Next_State Source B Source B



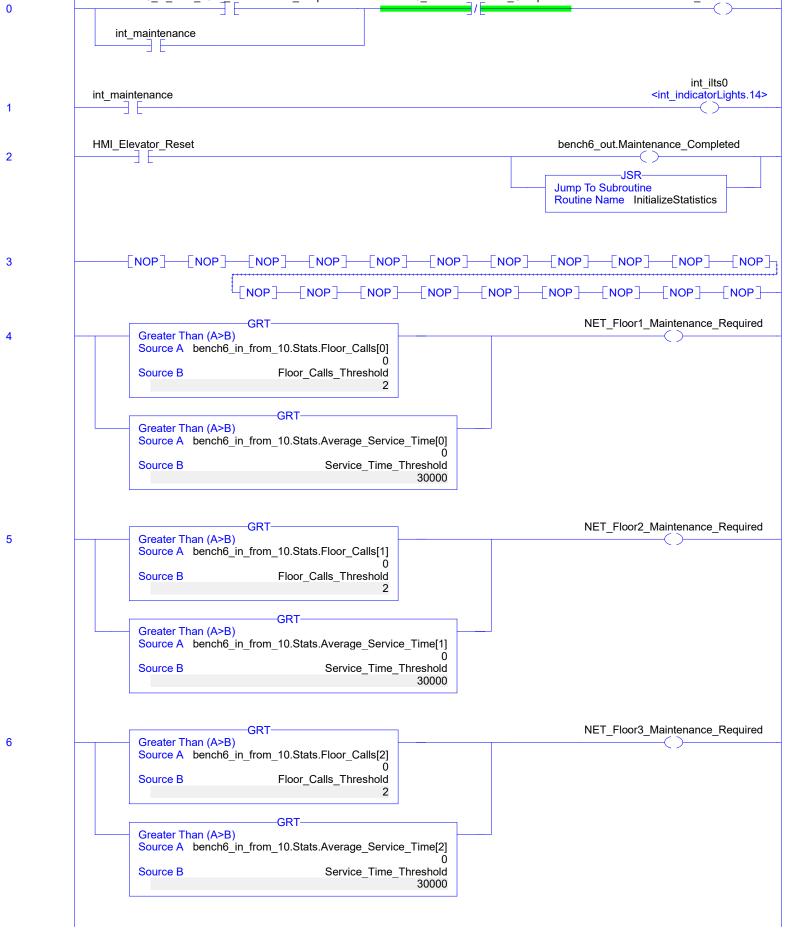


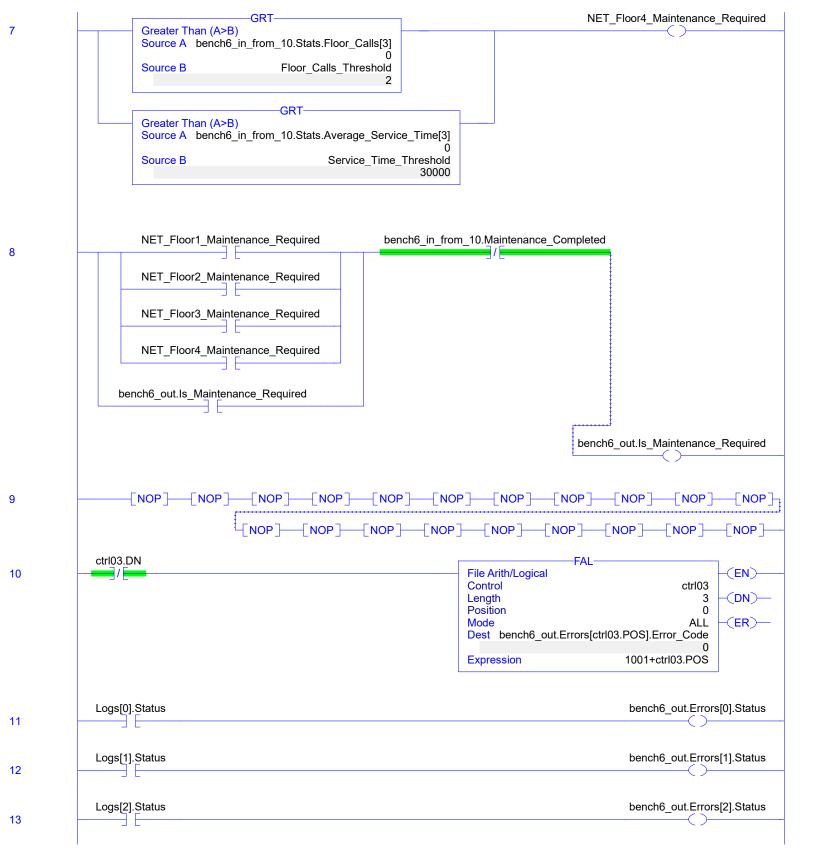






part10:MainTask:MainProgram 5/8/2021 7:52:44 PM Total number of rungs in routine: 16 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD bench6_in_from_10.ls_Maintenance_Required bench6_out.Maintenance_Completed int_maintenance int maintenance

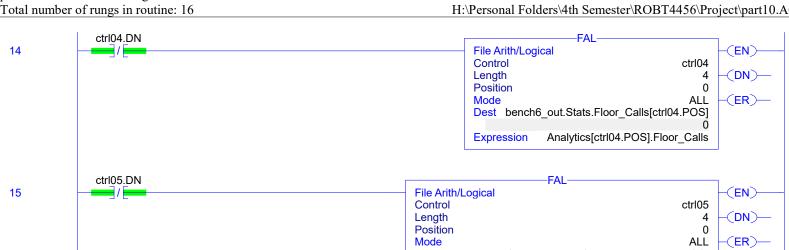




(End)

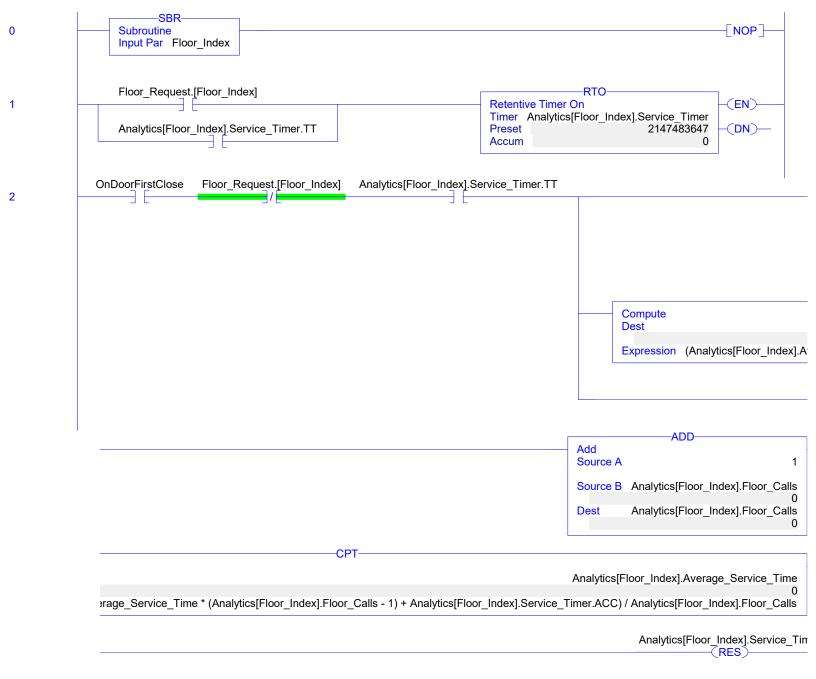
Dest bench6_out.Stats.Average_Service_Time[ctrl05.POS]

Analytics[ctrl05.POS].Average_Service_Time

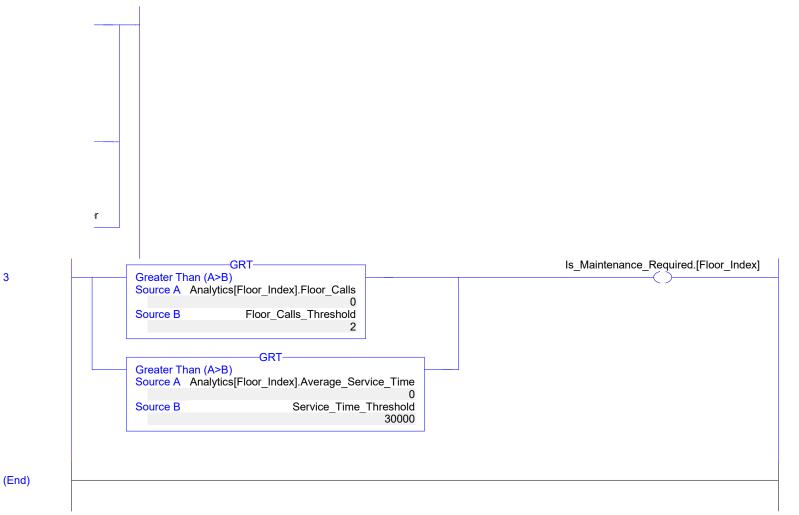


Expression

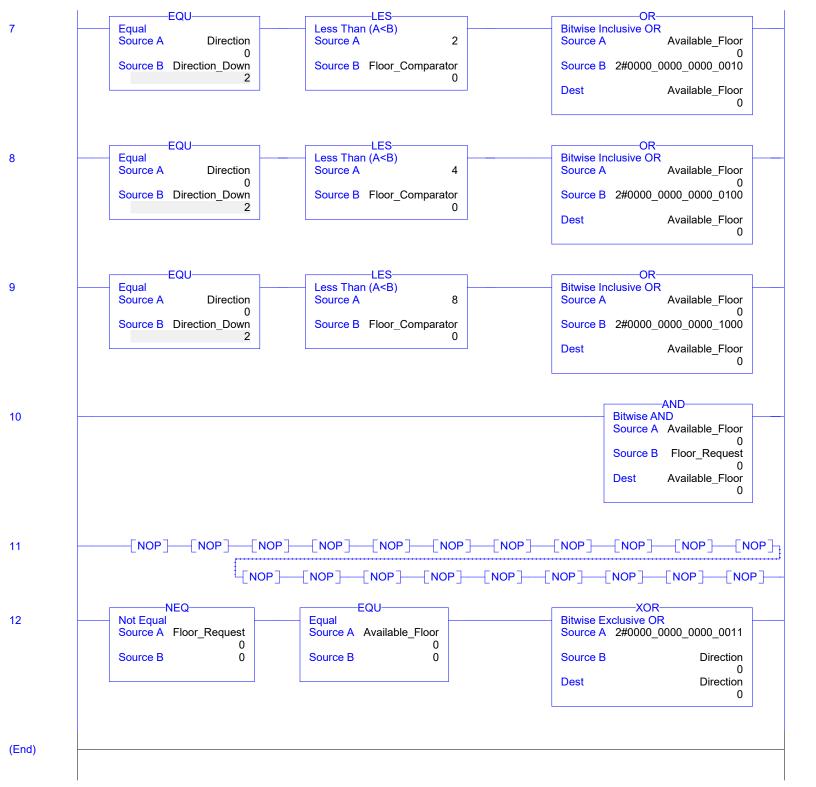
Total number of rungs in routine: 4 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD



H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD



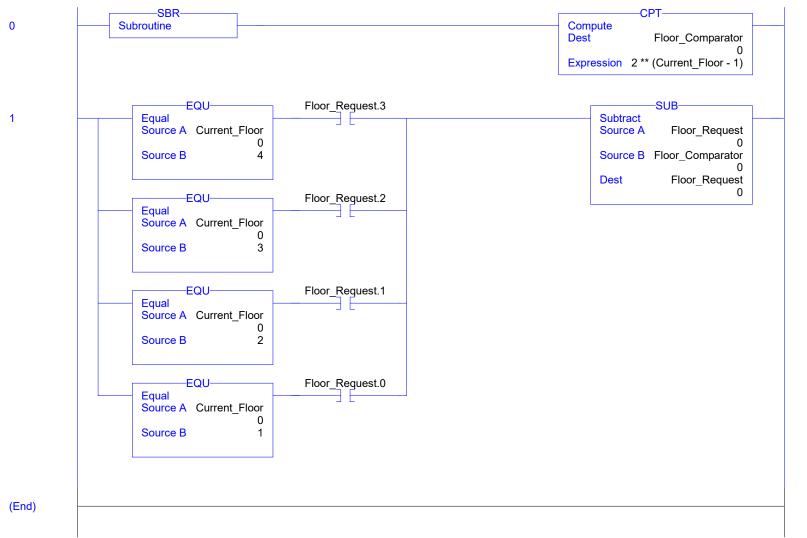




5/8/2021 7:52:50 PM

Page 46

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD



Total number of rungs in routine: 9

n routine: 9 H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD



UpdateNextFloor - Ladder Diagram part10:MainTask:MainProgram Total number of rungs in routine: 9 **Page 48** 5/8/2021 7:52:51 PM

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

(End)

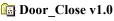
part10 Add-On Instruction Signature Listing

Page 49 5/8/2021 7:52:51 PM

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Data Context: Door_Close <definition>

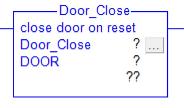
Signature Listing



close door on reset

Available Languages





Function Block



Structured Text
Door_Close(DOOR);

Parameters

Required	Name	Data Type	Usage	Description
X	Door_Close	Door_Close	InOut	close door on reset
	EnableIn	BOOL	Input	
	EnableOut	BOOL	Output	
X	DOOR	BOOL	Output	

Extended Description

Execution

Condition Description

EnableIn is true

Revision v1.0 Notes

Door_Close Instruction Definition - Parameter Listing

Read/Write

part10:Add-On Instructions:Door_Close

Data Type Size: 4 byte (s)

External Access:

Data Context: Door_Close <definition>

DOOR - Door_Close/Logic - *0(OTE)

5/8/2021 7:52:52 PM H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Page 51

Name	Default	Data Type	Scope
DOOR	0	BOOL	Door_Close
Usage: Required:	Output Parameter		_
Required:	Yes		
Visible:	Yes		

Door_Close Instruction Definition - Local Tag Listing part10:Add-On Instructions:Door_Close

Data Context: Door Close <definition>

Page 52 5/8/2021 7:52:52 PM H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Name Default **Data Type** Scope

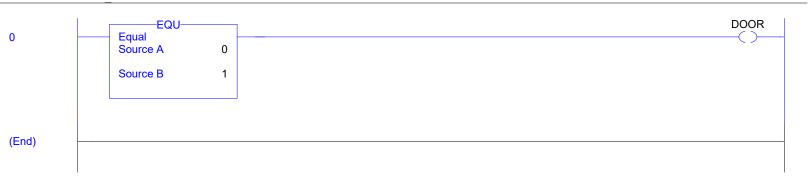
No Tags Exist

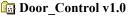
Door_Close Instruction Definition - Logic Routine part10:Add-On Instructions:Door_Close:Logic

Page 53 5/8/2021 7:52:52 PM

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Total number of rungs in routine: 1
Data Context: Door_Close <definition>

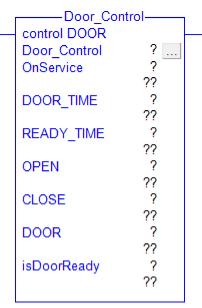




control DOOR

Available Languages





🛂 Function Block



Structured Text

Parameters

Required	Name	Data Type	Usage	Description
X	Door_Control	Door_Control	InOut	control DOOR
	EnableIn	BOOL	Input	
	EnableOut	BOOL	Output	
X	OnService	BOOL	Input	
X	DOOR_TIME	DINT	Input	
X	READY_TIME	DINT	Input	
X	OPEN	BOOL	Input	
X	CLOSE	BOOL	Input	
X	DOOR	BOOL	Output	
X	isDoorReady	BOOL	Output	

Extended Description

Execution

Door_Control - Instruction DefinitionPage 55part10:Add-On Instructions:Door_Control5/8/2021 7:52:52 PMData Context: Door_Control <definition>H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Condition Description

EnableIn is true

Revision v1.0 Notes

Door_Control Instruction Definition - Parameter Listing

part10:Add-On Instructions:Door_Control
Data Type Size: 44 byte (s)
Data Context: Door_Control <definition>

5/8/2021 7:52:52 PM H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Page 56

CLOSE 0 BOOL Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write CLOSE - Door_Control/Logic - 7(XIC) DOOR 0 BOOL Door_Control Usage: Output Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes Visible: Yes Visible: Yes External Access: Read/Write DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME O DOOr_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	ime	Default	Data Type	Scope
Required: Yes Yes Yes	CLOSE	0	BOOL	Door_Control
Visible: Yes External Access: Read/Write CLOSE - Door_Control/Logic - 7(XIC) DOOR 0 BOOL Usage: Output Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes Visible: Yes Visible: Yes Visible: Yes External Access: Read/Write DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	Usage:	Input Parameter		
External Access: Read/Write CLOSE - Door_Control/Logic - 7(XIC) DOOR 0 BOOL Door_Control Usage: Output Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	Required:	Yes		
DOOR 0 BOOL Door_Control Usage: Output Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME 0 BOOL Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	Visible:	Yes		
DOOR 0 BOOL Door_Control Usage: Output Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	External Access:	Read/Write		
DOOR 0 BOOL Door_Control Usage: Output Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	CLOSE - Door Control/Log	ic - 7(XIC)		
Usage: Output Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control				
Required: Yes Visible: Yes External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	DOOR	0	BOOL	Door_Control
Visible: Yes External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	Usage:	Output Parameter		
External Access: Read/Write DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	Required:	Yes		
DOOR - Door_Control/Logic - *16(OTE) DOOR_TIME	Visible:	Yes		
DOOR_TIME 0 DINT Door_Control Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	External Access:	Read/Write		
Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	DOOR - Door_Control/Logi	c - *16(OTE)		
Usage: Input Parameter Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control				
Required: Yes Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control	DOOR_TIME	0	DINT	Door_Control
Visible: Yes External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control		Input Parameter		
External Access: Read/Write DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady 0 BOOL Door_Control		Yes		
<pre>DOOR_TIME - Door_Control/Logic - 0(MOV) isDoorReady</pre>	Visible:			
isDoorReady 0 BOOL Door_Control				
_	DOOR_TIME - Door_Contro	ol/Logic - 0(MOV)		
_				
Usaga, Output Parameter			BOOL	Door_Control
	Usage:	Output Parameter		
Required: Yes				
Visible: Yes				
External Access: Read/Write				
isDoorReady - Door_Control/Logic - *14(OTE)	isDoorReady - Door_Contro	ol/Logic - *14(OTE)		
			B	
OnService 0 BOOL Door_Control			BOOL	Door_Control
Usage: Input Parameter				
Required: Yes				
Visible: Yes				
External Access: Read/Write				
OnService - Door_Control/Logic - 4(XIC)	OnService - Door_Control/L	logic - 4(XIC)		
OPEN DOOL D. C. J.	ODEN	0	DOOL	D C 1
OPEN 0 BOOL Door_Control			BOOL	Door_Control
Usage: Input Parameter		•		
Required: Yes	= -			
Visible: Yes External Access: Read/Write				
OPEN - Door_Control/Logic - 1(XIC), 10(XIC), 9(XIC)	OPEN - Door_Control/Logic	C = I(XIC), IU(XIC), Y(XIC)		
READY_TIME 0 DINT Door_Control	READY TIME	0	DINT	Door Control
Usage: Input Parameter			DINI	Door_control
Required: Yes		•		
Visible: Yes				
External Access: Read/Write				
READY TIME - Door Control/Logic - 0(MOV)				
RELIEF _ THILE _ DOOI _ COMMON DOSK = O(MOT)	READ 1_11ME - DOOI_COM	TOU LOGIC - O(MOT)		

Door Control Instruction Definition - Local Tag Listing

part10:Add-On Instructions:Door_Control 5/8/2021 7:52:52 PM

Data Context: Door Control <definition> H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Name **Default Data Type** Scope **Current State** DINT Door Control

Usage: Local Tag External Access: None

Current State - Door Control/Logic - *3(MOV), *4(MOV), *5(MOV), 10(EQU), 12(EQU), 13(EQU), 14(EQU), 16(EQU), 5(NEQ), 7(EQU),

8(EQU), 9(EQU)

DoorTimer **TIMER** Door Control

Usage: Local Tag **External Access:** None

DoorTimer - Door Control/Logic - *1(RES), *12(TON), *4(RES)

DoorTimer.PRE DINT

DoorTimer.PRE - Door Control/Logic - *0(MOV)

DoorTimer.DN **BOOL**

DoorTimer.DN - Door Control/Logic - 7(XIC)

Next_State DINT Door_Control

Local Tag Usage: External Access: None

Next State - Door Control/Logic - *10(MOV), *3(MOV), *4(MOV), *7(ADD), *8(ADD), *9(MOV), 12(EQU), 13(EQU), 14(EQU), 16(EQU),

5(MOV), 5(NEQ), 7(ADD), 8(ADD)

TIMER Door Control ReadyTimer

Usage: Local Tag **External Access:** None ReadyTimer - Door Control/Logic - *13(TON)

DINT ReadyTimer.PRE

ReadyTimer.PRE - Door Control/Logic - *0(MOV)

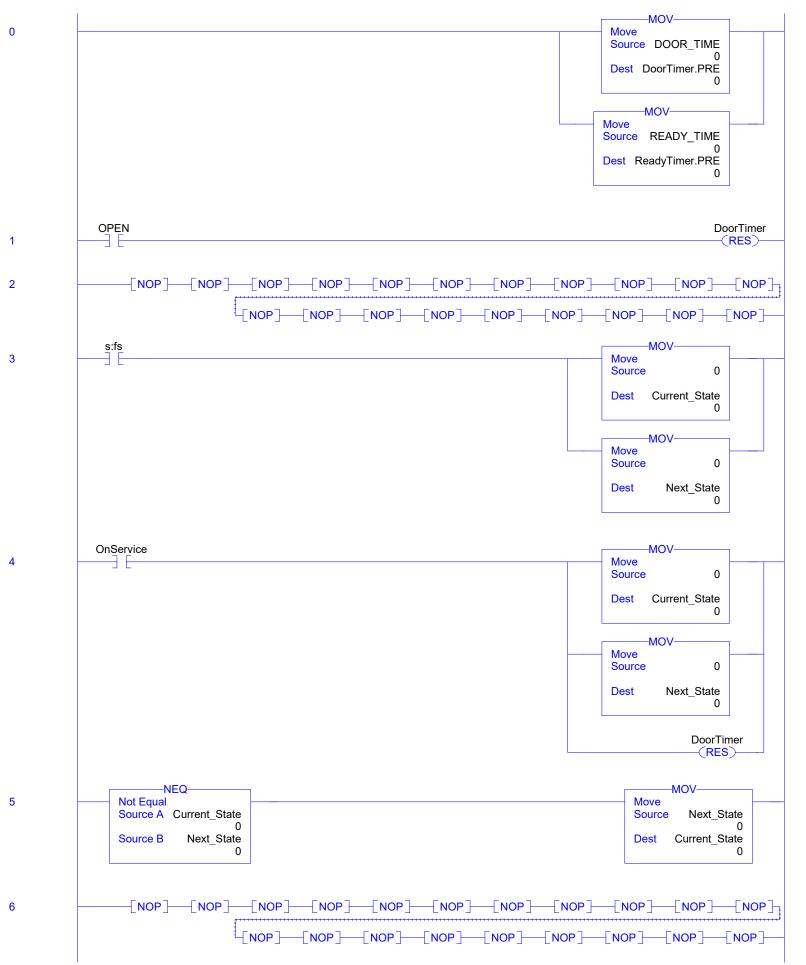
ReadyTimer.DN **BOOL**

ReadyTimer.DN - Door Control/Logic - 8(XIC)

Page 57

part10:Add-On Instructions:Door_Control:Logic Total number of rungs in routine: 17

Data Context: Door Control <definition>



part10:Add-On Instructions:Door_Control:Logic Total number of rungs in routine: 17

Data Context: Door Control <definition>



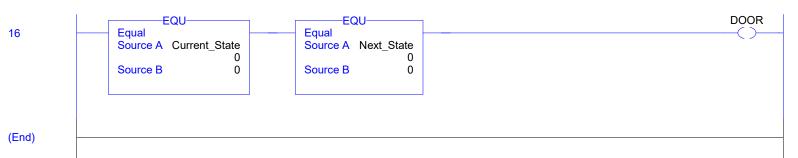
Door_Control Instruction Definition - Logic Routine

Page 60 5/8/2021 7:52:57 PM

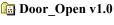
H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

part10:Add-On Instructions:Door_Control:Logic Total number of rungs in routine: 17

Data Context: Door_Control <definition>

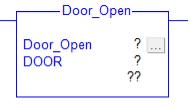


Data Context: Door Open <definition> H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD



Available Languages





🛂 Function Block



Structured Text
Door_Open(DOOR);

Parameters

Description	
	<u>Description</u>

Extended Description

Execution

Condition Description

EnableIn is true

Revision v1.0 Notes

Door_Open Instruction Definition - Parameter Listing

5/8/2021 7:52:58 PM H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Page 62

part10:Add-On Instructions:Door_Open
Data Type Size: 4 byte (s)
Data Context: Door_Open <definition>

ame	Default	Data Type	Scope	
DOOR	0	BOOL	Door_Open	
Usage:	Output Parameter			
Required:	Yes			
Visible:	Yes			
External Access:	Read/Write			
DOOR - Door Open/Logic -	*0(OTE)			

Door_Open Instruction Definition - Local Tag Listing part10:Add-On Instructions:Door_Open

Data Context: Door Open <definition>

5/8/2021 7:52:58 PM H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Page 63

Name Default **Data Type** Scope No Tags Exist

Door_Open Instruction Definition - Logic Routine part10:Add-On Instructions:Door_Open:Logic 5/8/2021 7:52:58 PM Total number of rungs in routine: 1
Data Context: Door_Open <definition> H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD DOOR 0

(End)

Page 64

Data type Name: Analysis

Description:

Size: 20 byte(s)

Name Floor_Calls	Value	Data Type DINT	Style Decimal	
External Access:	Read/Write			
Average_Service_Time External Access:	Read/Write	DINT	Decimal	
Service_Timer External Access:	Read/Write	TIMER	NullType	

Errors - User-Defined Data Type part10 (Controller) **Page 66** 5/8/2021 7:52:58 PM

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Data type Name: Errors

Description:

Size: 8 byte(s)

Name	Value	Data Type	Style	
Error Code		DINT	Decimal	
External Access:	Read/Write			
Status		BOOL	Decimal	
External Access:	Read/Write			

Data type Name: FaultLog

Description:

Size: 256 byte(s)

Name	Value	Data Type	Style	
Occurrence External Access:	Read/Write	DINT	Decimal	
Timestamp External Access:	Read/Write	LINT[30]	Decimal	
Status External Access:	Read/Write	BOOL	Decimal	

Data type Name: SharedData

Description:

Size: 60 byte(s)

Name	Value	Data Type	Style	
Errors External Access:	Read/Write	Errors[3]	NullType	
Stats External Access:	Read/Write	Stats	NullType	
Is_Maintenance_Required External Access:	Read/Write	BOOL	Decimal	
Maintenance_Completed External Access:	Read/Write	BOOL	Decimal	

Stats - User-Defined Data Type part10 (Controller)

Page 69 5/8/2021 7:52:58 PM

Data type Name: Stats

Description:

Size: 32 byte(s)

Name	Value	Data Type	Style	
Floor Calls		DINT[4]	Decimal	
External Access:	Read/Write			
Average_Service_Time		DINT[4]	Decimal	
External Access:	Read/Write			

Door_Close - Add-On-Defined Data Type part10 (Controller)

Page 70 5/8/2021 7:52:58 PM

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Data type Name: Door_Close

Description:

close door on reset

Size: 4 byte(s)

Name	value	Data Type	Style	
EnableIn		BOOL	Decimal	
Enable Input - System De	efined Parameter			
External Access:	Read Only			
EnableOut		BOOL	Decimal	
Enable Output - System I	Defined Parameter			
External Access:	Read Only			
DOOR		BOOL	Decimal	
External Access:	Read/Write			

Value

Read/Write

Style

Data type Name: Door_Control

Description: control DOOR

Size: 44 byte(s)

External Access:

Name

EnableIn	* 1D	BOOL	Decimal	
Enable Input - System Def				
External Access:	Read Only			
EnableOut		BOOL	Decimal	
Enable Output - System D	efined Parameter			
External Access:	Read Only			
OnService		BOOL	Decimal	
External Access:	Read/Write			
DOOR_TIME		DINT	Decimal	
External Access:	Read/Write			
READY TIME		DINT	Decimal	
External Access:	Read/Write			
OPEN		BOOL	Decimal	
External Access:	Read/Write			
CLOSE		BOOL	Decimal	
External Access:	Read/Write			
DOOR		BOOL	Decimal	
External Access:	Read/Write	3 _	=	
isDoorReady		BOOL	Decimal	
		2002	2 coming	

Data Type

Door_Open - Add-On-Defined Data Type part10 (Controller)

Page 72 5/8/2021 7:52:58 PM

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Data type Name: Door_Open

Description:

Size: 4 byte(s)

Name	Value	Data Type	Style	
EnableIn		BOOL	Decimal	
Enable Input - System Def	fined Parameter			
External Access:	Read Only			
EnableOut		BOOL	Decimal	
Enable Output - System D	efined Parameter			
External Access:	Read Only			
DOOR		BOOL	Decimal	
External Access:	Read/Write			

STRING - Predefined String Type part10 (Controller)

Page 73 5/8/2021 7:52:58 PM

H:\Personal Folders\4th Semester\ROBT4456\Project\part10.ACD

Data type Name: STRING

Description:

Size: 88 byte(s)

Name	Value	Data Type	Style	
LEN		DINT	Decimal	
External Access:	Read/Write			
DATA		SINT[82]	ASCII	
External Access:	Read/Write			

			11. u ersonar i ore	acis/tin Semester ROB1 1150 a reject parti 0.710B
1769	Bus : Local Modules			
	ocal: [0] 1769-L30ER	part10		
~	Type:	1769-L30ER CompactLogix™ 5370 Controller	Parent:	Local
	Vendor:	Rockwell Automation/Allen-Bradley	Vendor ID:	1
	Slot:	0	Electronic Keying:	Disabled
	Revision:	28.11	Status:	Standby
	Module Fault:	Offline	Inhibit Flag	Off
	Use Unicast:	n/a	8	
A L	ocal: [2] 1769-IG16/A	<no name=""></no>		
_	Type:	1769-IG16/A 16 Point 0V-5.5V DC TTL	Parent:	Local
	-7 F	Input		
	Vendor:	Rockwell Automation/Allen-Bradley	Vendor ID:	1
	Slot:	2	Electronic Keying:	Compatible Keying
	Revision:	3.1	Status:	Standby
	Module Fault:	Offline	Inhibit Flag	Off
	Use Unicast:	n/a	mmon rag	On
	ose omeast.	11.4		
	Module Defined	Value	Data Type	
	Configuration Tag		AD 1760 DI16E C 0	
	Local:2:C	0	AB:1769_DI16F:C:0	
	D.00 07E'1. 0.00	0	BOOL	
	.Pt00_07FilterOffO			
	n_0			
		0	BOOL	
	.Pt00_07FilterOffO			
	n_1			
		0	BOOL	
	.Pt00_07FilterOffO			
	n_2			
	_	0	BOOL	
	.Pt00_07FilterOffO			
	n_3 -			
	_	0	BOOL	
	.Pt00 07FilterOnOf			
	f_4			
	'	0	BOOL	
	.Pt00_07FilterOnOf	· ·	2002	
	f_5			
	1_3	0	BOOL	
	.Pt00_07FilterOnOf	U	BOOL	
	f_6	0	DOO!	
	D400_07E:14OOf	U	BOOL	
	.Pt00_07FilterOnOf			
	f_7	0	DOOL	
	D.00 17E'L 0.00	0	BOOL	
	.Pt08_15FilterOffO			
	n_0	0	DOOL	
	D 00 4 FDH 0 M0	0	BOOL	
	.Pt08_15FilterOffO			
	n_1			
		0	BOOL	
	.Pt08_15FilterOffO			
	n_2			
		0	BOOL	
	.Pt08_15FilterOffO			
	n_3 -			
		0	BOOL	
	.Pt08_15FilterOnOf			
	f_4			

		H:\Personal Fold	ers\4th Semester\ROBT
	0	BOOL	
.Pt08_15FilterOnOf	·	2002	
f_5	0	DOOL	
.Pt08 15FilterOnOf	0	BOOL	
f_6			
	0	BOOL	
.Pt08_15FilterOnOf			
f_7			
T			
] Local: [3] 1769-IQ16/A < Type:	*no name> 1769-IQ16/A 16 Point 24V DC Input,	Parent:	Local
Type.	Sink/Source	raient.	Local
Vendor:	Rockwell Automation/Allen-Bradley	Vendor ID:	1
Slot:	3	Electronic Keying:	Compatible Keying
Revision:	1.1	Status:	Standby
Module Fault:	Offline	Inhibit Flag	Off
Use Unicast:	n/a		
-			
Local: [4] 1769-OV16/B		Donanti	Local
Type:	1769-OV16/B 16 Point 24V DC Output, Sink	Parent:	Local
Vendor:	Rockwell Automation/Allen-Bradley	Vendor ID:	1
Slot:	4	Electronic Keying:	Compatible Keying
Revision:	2.1	Status:	Standby
Module Fault:	Offline	Inhibit Flag	Off
Use Unicast:	n/a		
Module Defined	Value	Data Type	
Configuration Tag			
Local:4:C	2#0000 0000 0000 0000	AB:1769_DO16:C:0	
.Config .ProgToFaultEn	2#0000_0000_0000_0000	INT BOOL	
.Prog for autien	0 2#0000 0000 0000 0000	INT	
.ProgValue	2#0000_0000_0000 2#0000_0000_0000	INT	
.FaultMode	2#0000 0000 0000 0000	INT	
.FaultValue	2#0000_0000_0000_0000	INT	
Local: [5] 1769-OV16/B		D	т 1
Type:	1769-OV16/B 16 Point 24V DC Output, Sink	Parent:	Local
Vendor:	Rockwell Automation/Allen-Bradley	Vendor ID:	1
Slot:	5	Electronic Keying:	Compatible Keying
Revision:	2.1	Status:	Standby
Module Fault:	Offline	Inhibit Flag	Off
Use Unicast:	n/a		
Module Defined	Value	Data Type	
Configuration Tag			
Local:5:C	• Waaaa aaaa aaaa aaaa	AB:1769_DO16:C:0	
.Config	2#0000_0000_0000_0000	INT	
.ProgToFaultEn	0	BOOL	
.ProgMode .ProgValue	2#0000_0000_0000_0000 2#0000_0000_0000_0	INT INT	
.Frog varue .FaultMode	2#0000_0000_0000_0000 2#0000_0000_0000_0	INT	
.FaultValue	2#0000_0000_0000_0000	INT	
.raun vanue	2π 0000 0000 0000 0000		

Ethernet : Local Modules

1769-L30ER bench10

1769-L30ER CompactLogix™ 5370 Type:

Controller

Rockwell Automation/Allen-Bradley Vendor:

142.232.235.137 IP Address or Host

Name:

Revision: 32.1 Offline Module Fault: Use Unicast: Yes

Parent: Local

Vendor ID:

Disabled Electronic Keying:

Status: Standby Off

part10	1
Controller Organizer Listing Tag Listing	
FaultDetectionTask	
FaultDetectionProgram	
FaultDetection	
Ladder Diagram	18
WriteLog	
Ladder Diagram	20
MainTask	
MainProgram	
InitializeElevator	21
Ladder Diagram InitializeFloorVariables	21
Ladder Diagram	25
InitializeStatistics	
Ladder Diagram	22
MainRoutine	
Ladder Diagram	24
MapInputsAndIndicators	
Ladder Diagram	34
SyncHMI	
Ladder Diagram	
SyncSharedData	
Ladder Diagram	39
UpdateAnalysis	40
Ladder Diagram UpdateDirection	42
Ladder Diagram	4.2
UpdateFloorRequest	
Ladder Diagram	46
UpdateNextFloor	
Ladder Diagram	47
Add-On Instruction Signature Listing	
Add-On Instructions	
Door_Close	
Instruction Definition	
Parameter Listing	
Local Tag Listing	
Logic Routine Door Control	
Instruction Definition	54
Parameter Listing	
Local Tag Listing	
Logic Routine	
Door_Open	
Instruction Definition	61
Parameter Listing	62
Local Tag Listing	63
Logic Routine	64
Data Types	
User-Defined Data Type	
Analysis	
Errors	
FaultLog	
Stats	
Add-On-Defined Data Type	
Strings	
Module Properties	
17(0 D. J. 1) M. 1.1	7.4