

| ElecDoorHndlHall_DD | 2022-10-14

ElecDoorHndlHall_DD

Software and calibration documentation (detailed) [COMP]



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I [ElecDoorHndlHall_DD]

1 Function Definition

1.1 Purpose

Input the purpose of developing this function

1.2 Introduction

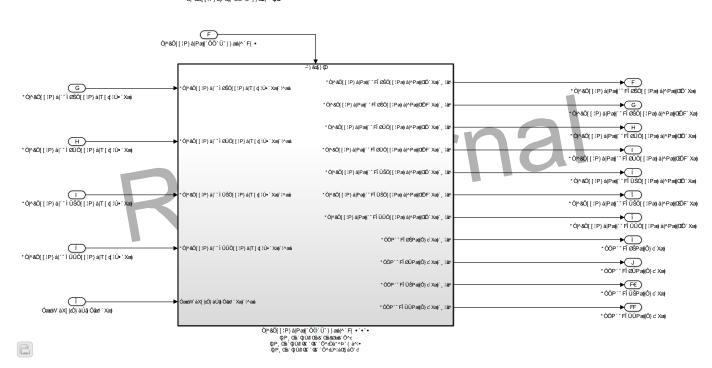
EDH_HALL Driver

2 Function Description

2.1 Behavior in normal mode

Figure 1 ElecDoorHndlHall DD [ElecDoorHndlHall DD]





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Figure 2 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys]



Figure 3 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntFL [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_-1ms_sys_HallCntFL]

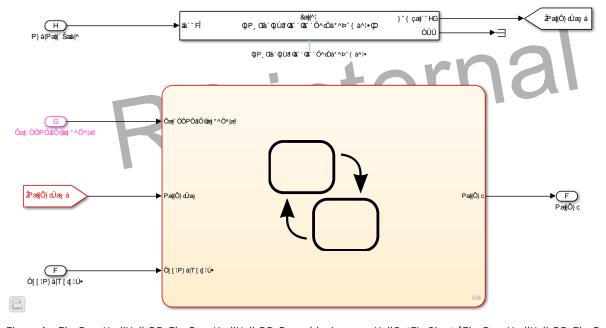
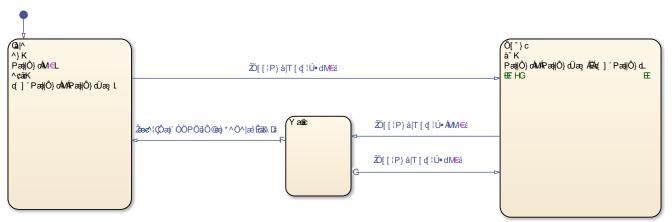


Figure 4 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntFL_Chart [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntFL_Chart]



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Figure 5 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntFR [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntFR]

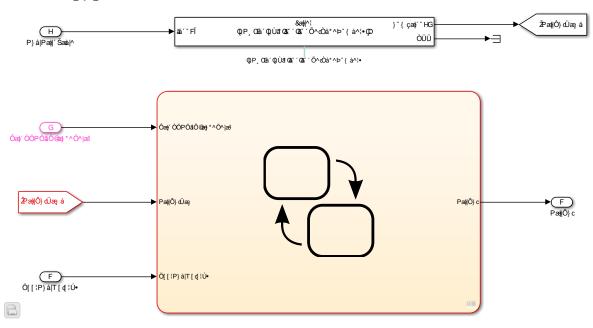
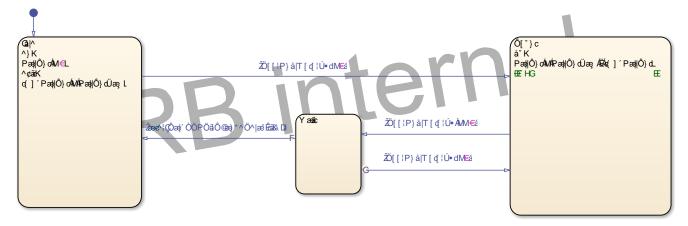


Figure 6 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntFR_Chart [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_-Runnable_1ms_sys_HallCntFR_Chart]



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Figure 7 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntRL [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntRL]

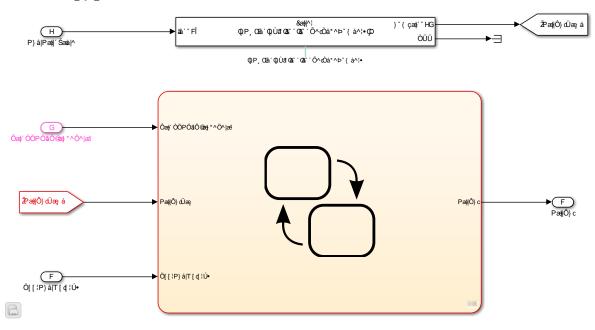


Figure 8 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntRL_Chart [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_-Runnable_1ms_sys_HallCntRL_Chart]

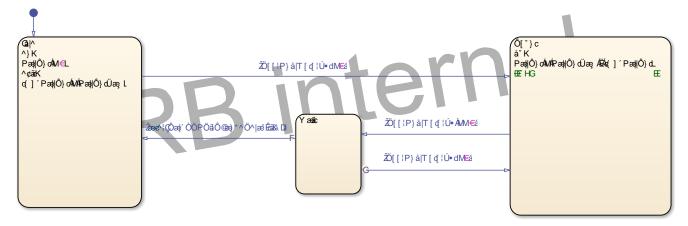


Figure 9 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntRR [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_-1ms_sys_HallCntRR]

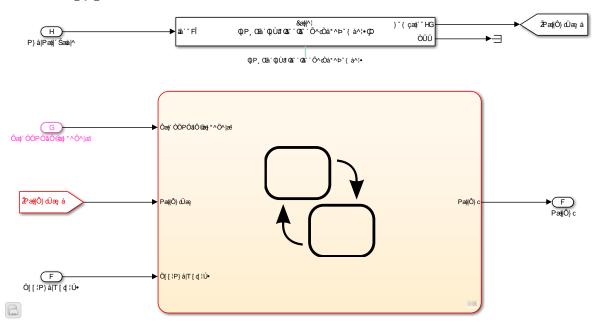


Figure 10 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_1ms_sys_HallCntRR_Chart [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_-Runnable_1ms_sys_HallCntRR_Chart]

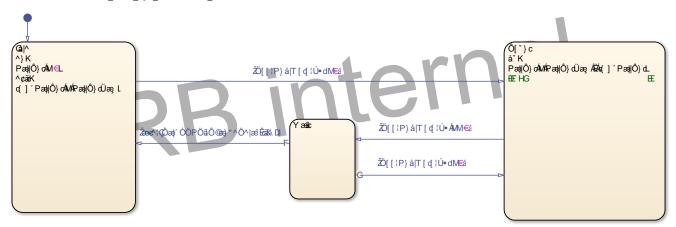


Figure 11 ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_Init [ElecDoorHndlHall_DD_ElecDoorHndlHall_DD_Runnable_Init]



Table 1 Data Types for port interfaces [PortInterfaceDataTypes]

Port	AccessMode	Interface	DE	Datatype
gElecDoorHndl_u8FLDoor- HndlMotorPs	ExplicitReceive	gElecDoorHndl_u8FLDoor- HndlMotorPs	Val	uint8
gElecDoorHndl_u8FRDoor- HndlMotorPs	ExplicitReceive	gElecDoorHndl_u8FRDoor- HndlMotorPs	Val	uint8
gElecDoorHndl_u8RLDoor- HndlMotorPs	ExplicitReceive	gElecDoorHndl_u8RLDoor- HndlMotorPs	Val	uint8
gElecDoorHndl_u8RR- DoorHndlMotorPs	ExplicitReceive	gElecDoorHndl_u8RR- DoorHndlMotorPs	Val	uint8
BattU_bVoltEnbPinDiag	ExplicitReceive	BattU_bVoltEnbPinDiag	Val	boolean
gElecDoorHndlHall_u16F- LDoorHandleHallAD	ExplicitSend	gElecDoorHndlHall_u16F- LDoorHandleHallAD	Val	uint16
gElecDoorHndlHall_u16F- LDoorHandleHallAD1	ExplicitSend	gElecDoorHndlHall_u16F- LDoorHandleHallAD1	Val	uint16
gElecDoorHndlHall_u16F- RDoorHandleHallAD	ExplicitSend	gElecDoorHndlHall_u16F- RDoorHandleHallAD	Val	uint16

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Port	AccessMode	Interface	DE	Datatype
gElecDoorHndlHall_u16F- RDoorHandleHallAD1	ExplicitSend	gElecDoorHndlHall_u16F- RDoorHandleHallAD1	Val	uint16
gElecDoorHndlHall_u16R- LDoorHandleHallAD	ExplicitSend	gElecDoorHndlHall_u16R- LDoorHandleHallAD	Val	uint16
gElecDoorHndlHall_u16R- LDoorHandleHallAD1	ExplicitSend	gElecDoorHndlHall_u16R- LDoorHandleHallAD1	Val	uint16
gElecDoorHndlHall_u16R- RDoorHandleHallAD	ExplicitSend	gElecDoorHndlHall_u16R- RDoorHandleHallAD	Val	uint16
gEDH_u16FLHallCnt	ExplicitSend	gEDH_u16FLHallCnt	Val	uint16
gEDH_u16FRHallCnt	ExplicitSend	gEDH_u16FRHallCnt	Val	uint16
gEDH_u16RLHallCnt	ExplicitSend	gEDH_u16RLHallCnt	Val	uint16
gEDH_u16RRHallCnt	ExplicitSend	gEDH_u16RRHallCnt	Val	uint16

