

Task / PLC_1 [CPU 314C-2 PN/DP] / Program blocks

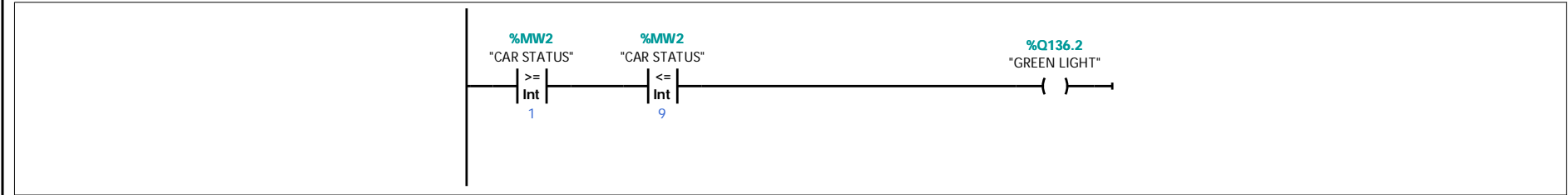
Main [OB1]

Main Properties							
General							
Name	Main	Number	1	Type	OB	Language	LAD
Numbering	automatic						
Information							
Title	"Main Program Sweep (Cycle)"	Author		Comment		Family	
Version	0.1	User-defined ID					

Main				
Name	Data type	Offset	Default value	Comment
▼ Temp				
OB1_EV_CLASS	Byte	0.0		Bits 0-3 = 1 (Coming event), Bits 4-7 = 1 (Event class 1)
OB1_SCAN_1	Byte	1.0		1 (Cold restart scan 1 of OB 1), 3 (Scan 2-n of OB 1)
OB1_PRIORITY	Byte	2.0		Priority of OB Execution
OB1_OB_NUMBR	Byte	3.0		1 (Organization block 1, OB1)
OB1_RESERVED_1	Byte	4.0		Reserved for system
OB1_RESERVED_2	Byte	5.0		Reserved for system
OB1_PREV_CYCLE	Int	6.0		Cycle time of previous OB1 scan (milliseconds)
OB1_MIN_CYCLE	Int	8.0		Minimum cycle time of OB1 (milliseconds)
OB1_MAX_CYCLE	Int	10.0		Maximum cycle time of OB1 (milliseconds)
OB1_DATE_TIME	Date_And_Time	12.0		Date and time OB1 started
Constant				

Network 2:

4. When there are cars between 1-9 present in parking area, green light must be on.



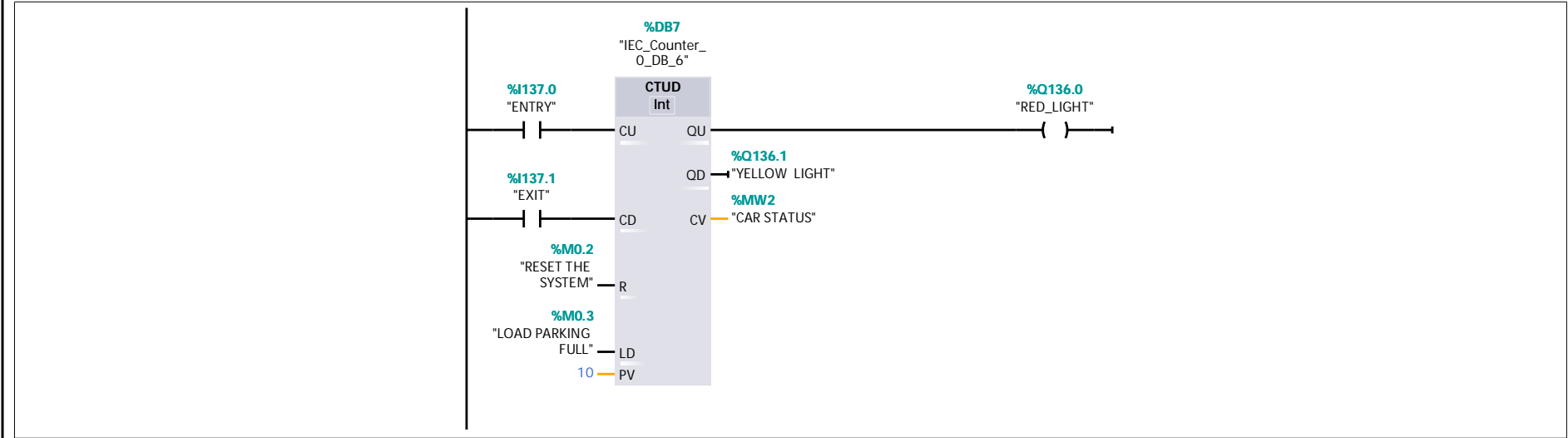
Symbol	Address	Type	Comment
"CAR STATUS"	%MW2	Int	
"GREEN LIGHT"	%Q136.2	Bool	

Network 1:

Use of “counter” function : Parking Station.

1. There is an “ENTRY” and “EXIT” in a parking area.
2. Car is sensed at ENTRY and EXIT.
3. When there is no car in parking area yellow light must be on.

5. When there are 10 cars red light must be on.



Symbol	Address	Type	Comment
"CAR STATUS"	%MW2	Int	
"ENTRY"	%I137.0	Bool	
"EXIT"	%I137.1	Bool	
"LOAD PARKING FULL"	%M0.3	Bool	
"RED_LIGHT"	%Q136.0	Bool	
"RESET THE SYSTEM"	%M0.2	Bool	
"YELLOW LIGHT"	%Q136.1	Bool	