

VARIABLES

VAR_GLOBAL

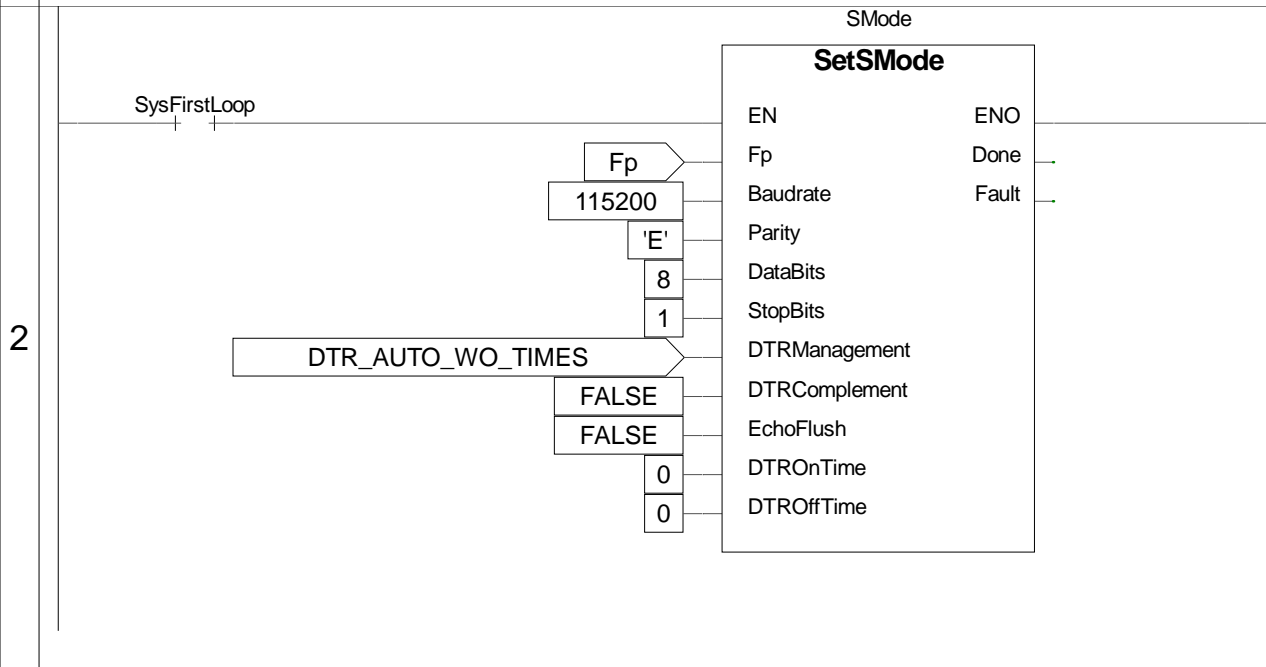
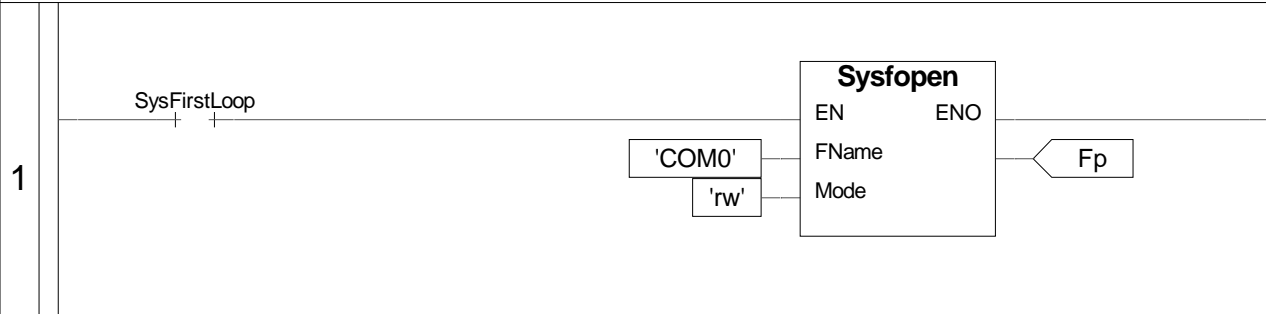
MdbRegs AT %MX100.2048 : ARRAY[0..3] OF UINT; (* Modbus registers *)

END_VAR

	Project : SpyDemo	
	VARIABLES :	
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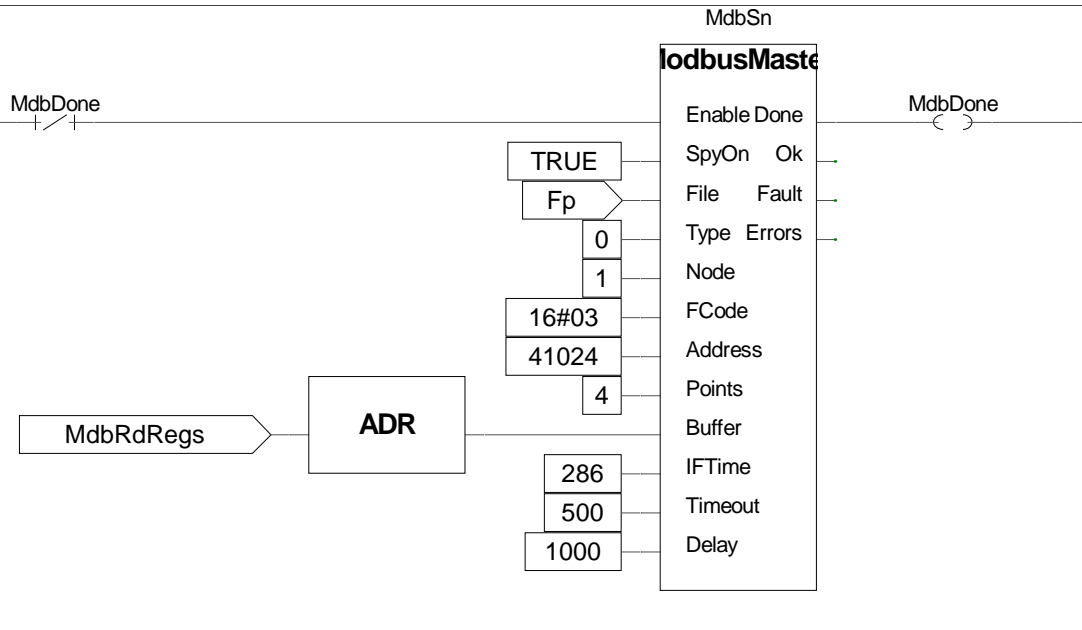
```

VAR
MdbRdRegs : ARRAY[ 0..3 ] OF UINT; (* Modbus read registers *)
Errors : UDINT; (* Modbus communication errors *)
Fp : FILEP; (* File pointer *)
MdbSn : ModbusMaster; (* Modbus master FB *)
SMode : SetSMode; (* SET serial mode FB *)
MdbDone : BOOL; (* Modbus done *)
END_VAR
    
```



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PROGRAM : LD_ModbusMaster	
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PROGRAM : LD_ModbusMaster	
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FUNCTION_BLOCK ModbusMaster

(ePLCutyLib_C000) Manages the modbus master communication
 ENCRYPTED CODE

```

VAR_INPUT
Enable : BOOL; (* FB enable *)
SpyOn : BOOL; (* Spy active *)
File : FILEP; (* Terminal I/O pointer *)
Type : USINT; (* Modbus type *)
Node : USINT; (* Node number *)
FCode : USINT; (* Function code *)
Address : UINT; (* Start address *)
Points : UDINT; (* Number of points *)
Buffer : @USINT; (* Address of data buffer *)
IFTime : UDINT; (* Interframe time (uS) *)
Timeout : UINT; (* Timeout time (mS) *)
Delay : UINT; (* Delay time (mS) *)
END_VAR
    
```

```

VAR_OUTPUT
Done : BOOL; (* Command done *)
Ok : BOOL := FALSE; (* Execution Ok *)
Fault : BOOL; (* Command fault *)
Errors : UDINT; (* Error counter *)
END_VAR
    
```

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(ePLCutyLib_C000) Set the serial communication mode
ENCRYPTED CODE

```
VAR_INPUT
Fp : FILEP;
Baudrate : UDINT; (* Baudrate *)
Parity : STRING[ 1 ]; (* Parity type *)
DataBits : USINT; (* Nr of data bits *)
StopBits : USINT; (* Nr of stop bits *)
DTRManagement : USINT; (* DTR management type *)
DTRComplement : BOOL; (* Complement the DTR signal *)
EchoFlush : BOOL; (* Flush the echo *)
DTROnTime : UINT; (* DTR On wait time *)
DTROffTime : UINT; (* DTR Off wait time *)
END_VAR

VAR_OUTPUT
Done : BOOL; (* Execution done *)
Fault : BOOL; (* Execution fault *)
END_VAR
```

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	FUNCTION BLOCK : SetSMode	
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