

VARIABLES

VAR_GLOBAL

RxCoils : ARRAY[0..15] OF BOOL; (* From HMI coils status *)

TxCoils : ARRAY[0..15] OF BOOL; (* To HMI coils status *)

RxVar : ARRAY[0..7] OF UINT; (* From HMI variables *)

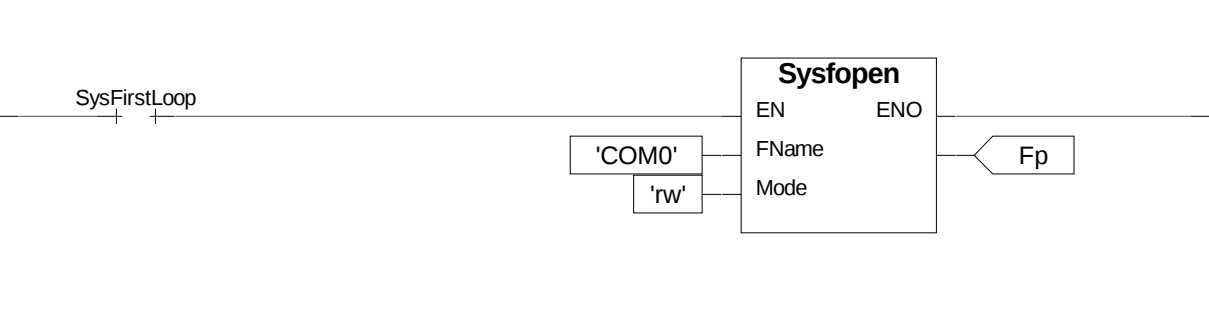
TxVar : ARRAY[0..7] OF UINT; (* To HMI variables *)

END_VAR

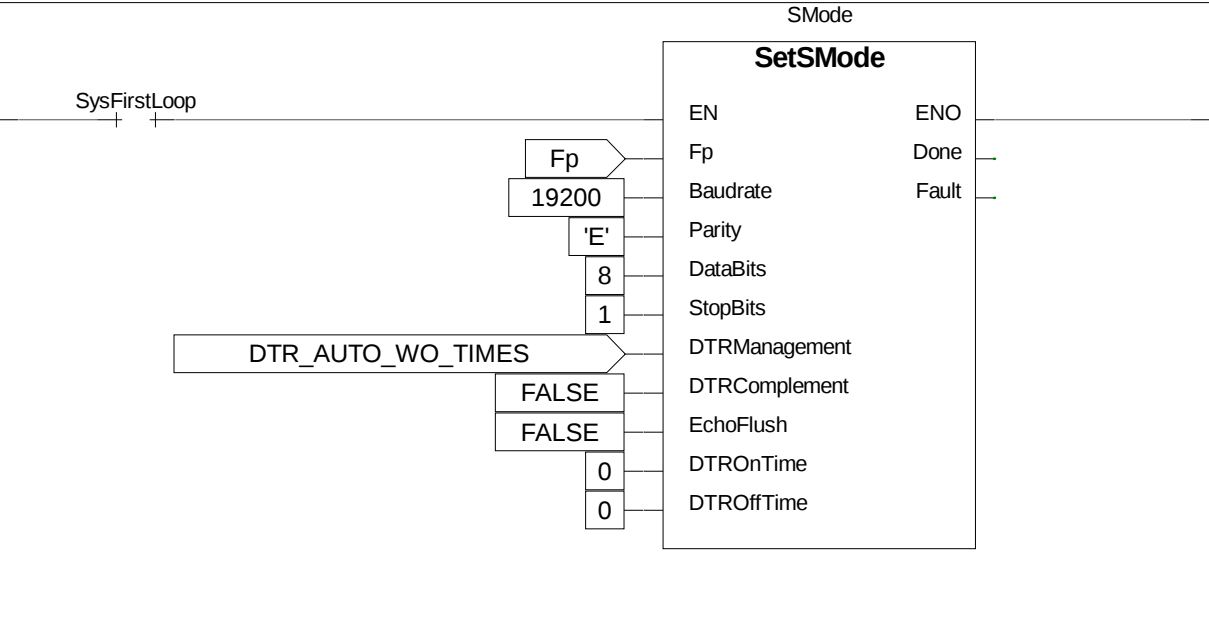
	Project : HMISlave	
	VARIABLES :	
	Release : HMISlave	Ver :1.00
	Author :	Date:05/04/2013
	Note :	Page:1 of 1

```
VAR
Fp : FILEP; (* File pointer *)
MdbSn1 : ModbusRTUMaster_v1; (* Modbus master FB *)
Done : ARRAY[ 0..3 ] OF BOOL; (* FB Done *)
SMode : SetSMode; (* FB set serial mode *)
MdbSn2 : ModbusRTUMaster_v1; (* Modbus master FB *)
MdbSn3 : ModbusRTUMaster_v1; (* Modbus master FB *)
MdbSn0 : ModbusRTUMaster_v1; (* Modbus master FB *)
END_VAR
```

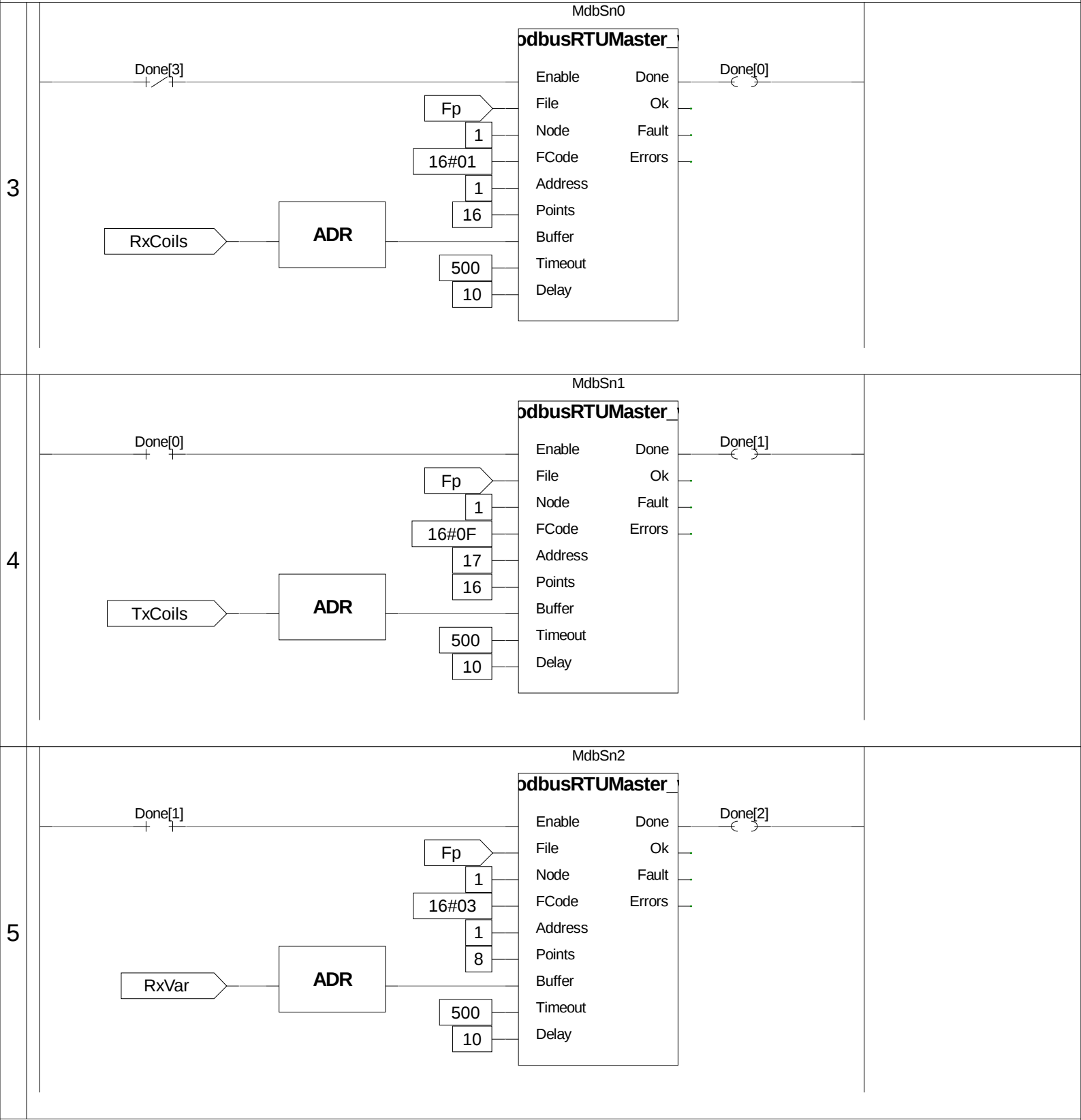
1

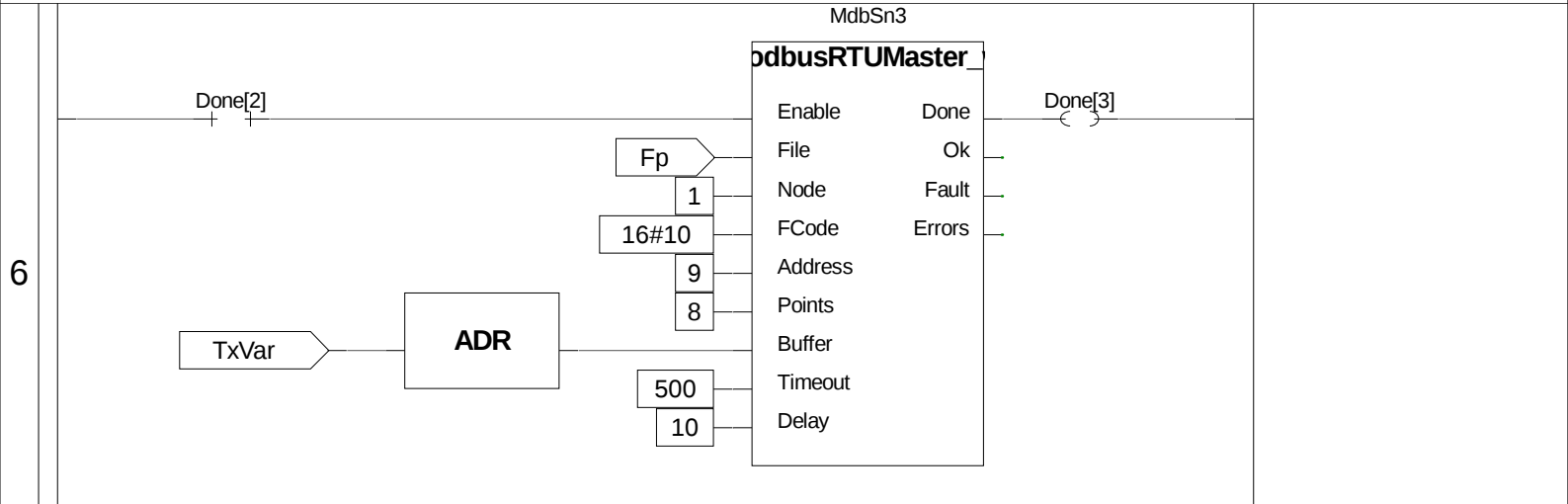


2



	Project : HMISlave	
	PROGRAM : ModbusRTUMaster	
	Release : HMISlave	Ver :1.00
	Author :	Date:05/04/2013
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	Project : HMISlave	
	PROGRAM : ModbusRTUMaster	
	Release : HMISlave	Ver :1.00
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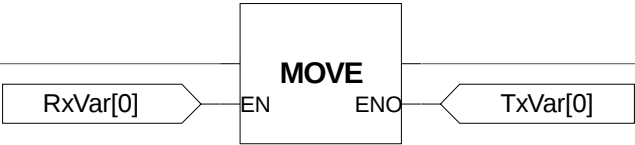
PROGRAM Logic

1

RxCoils[0]

TxCoils[0]

2



Project : HMISlave

PROGRAM : Logic

Release : HMISlave

Ver :1.00

Author :

Date:05/04/2013

Note :

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(SFR054B200) Manages the modbus RTU master communication
ENCRYPTED CODE

```
VAR_INPUT
Enable : BOOL;
File : FILEP; (* Terminal I/O pointer *)
Node : USINT; (* Node number *)
FCode : USINT; (* Function code *)
Address : UINT; (* Start address *)
Points : USINT; (* Number of points *)
Buffer : @USINT; (* Address of data buffer *)
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
```

Project : HMISlave

FUNCTION BLOCK : ModbusRTUMaster_v1

Release : HMISlave

Ver :1.00

Author :

Date:05/04/2013

Note :

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(SFR054B200) 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
```

1

Project : HMISlave

FUNCTION BLOCK : SetSMode

Release : HMISlave

Ver :1.00

Author :

Date:05/04/2013

Note :

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