

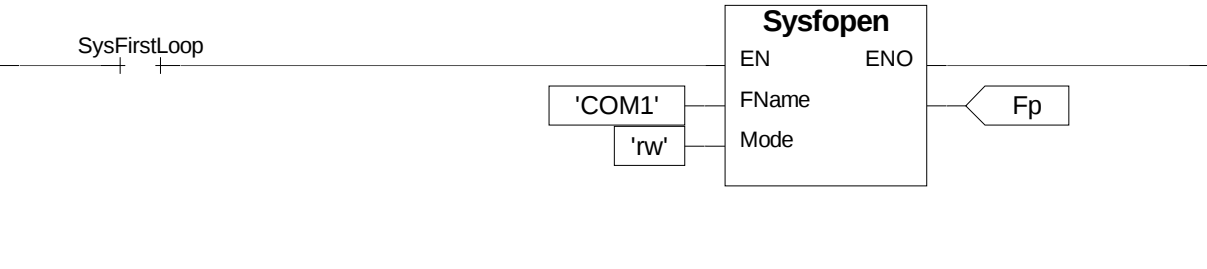
VARIABLES

```
VAR_GLOBAL
Di00M00 AT %IX0.0 : BOOL;
ModemID : UDINT; (* Modem ID *)
END_VAR
```

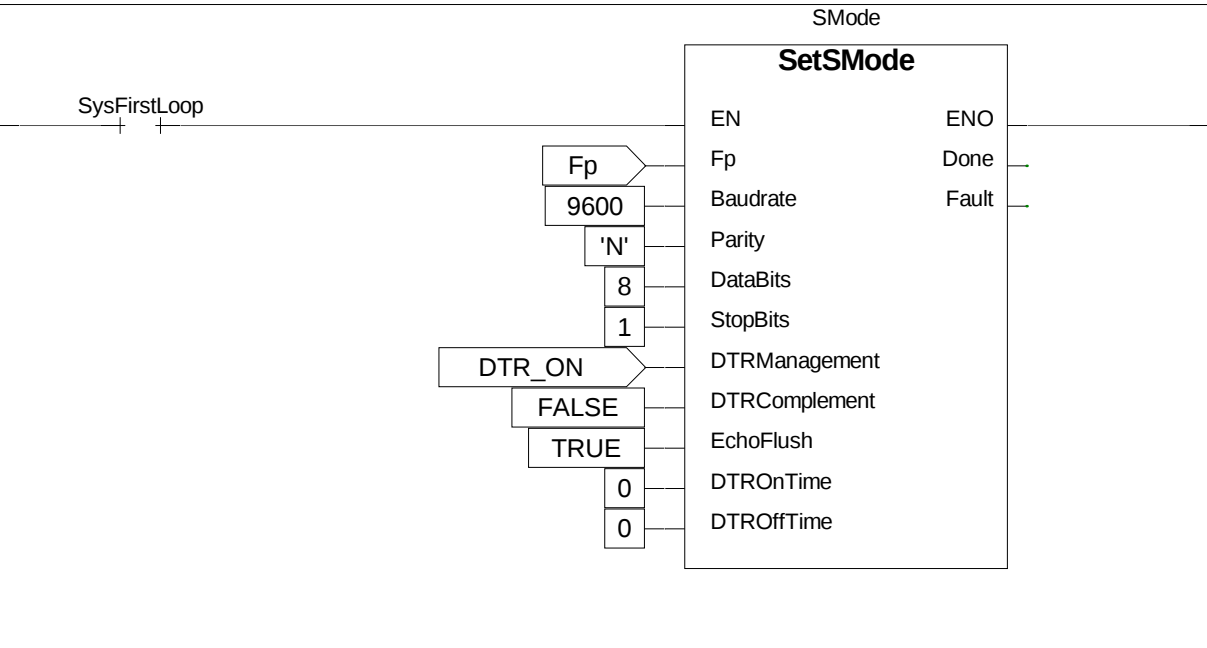
	Project : SMSSend	
	VARIABLES :	
	Release : SMSSend	Ver :1.00
	Author :	Date:27/05/2013
	Note :	Page:1 of 1

```
VAR
SMode : SetSMode; (* Serial mode FB *)
Fp : FILEP; (* Serial pointer *)
Modem : ModemCore_v2; (* Modem core FB *)
CLIP : STRING[ 16 ]; (* CLIP received number *)
Operator : STRING[ 16 ]; (* Operator value *)
Rssi : USINT; (* RSSI value *)
END_VAR
```

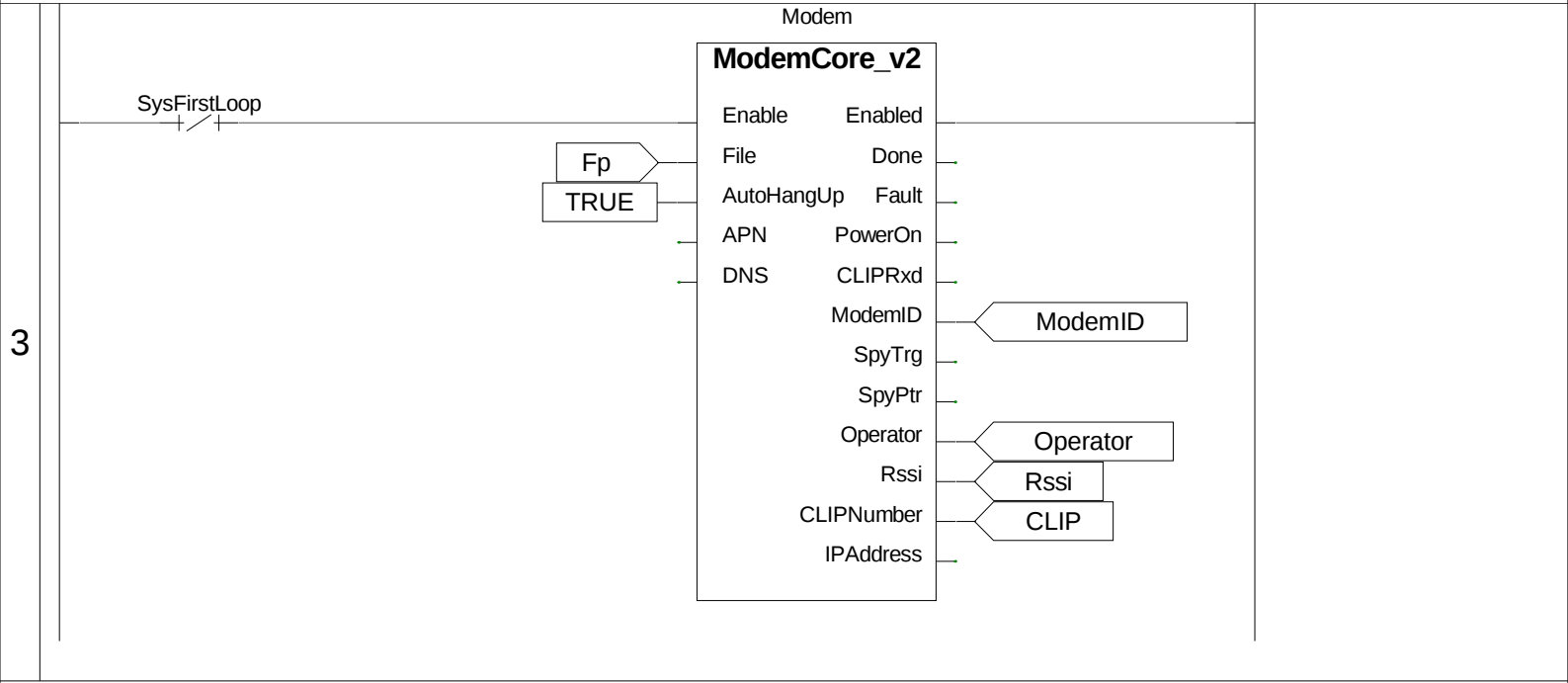
1



2



	Project : SMSSend	
	PROGRAM : ModemManagement	
	Release : SMSSend	Ver :1.00
	Author :	Date:27/05/2013
	Note :	Page:1 of 2



	Project : SMSSend	
	PROGRAM : ModemManagement	
	Release : SMSSend	Ver :1.00
	Author :	Date:27/05/2013
	Note :	Page:2 of 2

PROGRAM SMSSend

```

VAR
SMSSendFB : ModemSMSSend_v1; (* Send SMS FB *)
Pulse : BOOL; (* Auxiliary pulse *)
SMSText : STRING[ 160 ]; (* SMS Text *)
i : INT; (* Auxiliary variable *)
DateTime : SysETimeToDate; (* Date/Time *)
END_VAR

```

```

1 (* ***** *)
2 (* PROGRAM "SMSSend" *)
3 (* ***** *)
4 (* Questo programma esegue l'invio di messaggi SMS. *)
5 (* ----- *)
6
7 (* ----- *)
8 (* PARAMETRIZZAZIONE FB *)
9 (* ----- *)
10 (* Eseguo parametrizzazione FB. *)
11
12 SMSSendFB.ModemID:=ModemID; (* Modem ID *)
13 SMSSendFB.Number:=ADR('+39335217595'); (* Phone number *)
14 SMSSendFB.Text:=ADR(SMSText); (* SMS text *)
15 SMSSendFB(); (* SMS send FB execution *)
16 SMSSendFB.Send:=FALSE; (* Send command *)
17
18 (* Gestione data/ora attuali. *)
19
20 DateTime(EpochTime:=SysDateTime); (* Data ed ora attuali *)
21
22 (* ----- *)
23 (* GESTIONE INVIO SMS *)
24 (* ----- *)
25 (* Su fronte attivazione ingresso logico invio SMS. *)
26
27 IF (Di00M00 = Pulse) THEN RETURN; END_IF;
28 Pulse:=Di00M00; (* Auxiliary pulse *)
29 IF NOT(Di00M00) THEN RETURN; END_IF;
30
31 (* Compongo testo SMS da inviare. *)
32
33 i:=TO_INT(MemSet(ADR(SMSText), 0, SIZEOF(SMSText))); (* Azzero testo messaggio *)
34
35 (* Creo 1a riga messaggio SMS. *)
36
37 i:=SysVarsnprintf(ADR(SMSText)+LEN(SMSText), 17+1, '%s', STRING_TYPE, ADR('SMS con data/ora$n'));
38
39 (* Creo 2a riga messaggio SMS. *)
40
41 i:=SysVarsnprintf(ADR(SMSText)+LEN(SMSText), 14+1, '%s', STRING_TYPE, ADR('Data attuale: '));
42
43 i:=SysVarsnprintf(ADR(SMSText)+LEN(SMSText), 3+1, '%02d/', USINT_TYPE, ADR(DateTime.Day));
44 i:=SysVarsnprintf(ADR(SMSText)+LEN(SMSText), 3+1, '%02d/', USINT_TYPE, ADR(DateTime.Month));
45 i:=SysVarsnprintf(ADR(SMSText)+LEN(SMSText), 5+1, '%04d$', UINT_TYPE, ADR(DateTime.Year));
46
47 (* Creo 3a riga messaggio SMS. *)

```

Project : SMSSend

PROGRAM : SMSSend

Release : SMSSend

Ver :1.00

Author :

Date:27/05/2013

Note :

Page:1 of 2

PROGRAM SMSSend

```

48      i:=SysVarsnprintf(ADR(SMSText)+LEN(SMSText), 13+1, '%s', STRING_TYPE, ADR('Ora attuale: '));
49      i:=SysVarsnprintf(ADR(SMSText)+LEN(SMSText), 3+1, '%02d.', USINT_TYPE, ADR(DateTime.Hour));
50      i:=SysVarsnprintf(ADR(SMSText)+LEN(SMSText), 3+1, '%02d.', USINT_TYPE, ADR(DateTime.Minute));
51      i:=SysVarsnprintf(ADR(SMSText)+LEN(SMSText), 3+1, '%02d$', USINT_TYPE, ADR(DateTime.Second));
52
53      (* Eseguo invio SMS. *)
54
55      SMSSendFB.Send:=TRUE; (* Send command *)
56
57      (* [End of file] *)
58

```

	Project : SMSSend	
	PROGRAM : SMSSend	
	Release : SMSSend	Ver :1.00
	Author :	Date:27/05/2013
	Note :	Page:2 of 2

(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 : SMSSend

FUNCTION BLOCK : SetSMode

Release : SMSSend

Ver :1.00

Author :

Date:27/05/2013

Note :

Page:1 of 1

FUNCTION MemSet

(SFR058A200) Fills memory with value
ENCRYPTED CODE

```
VAR_INPUT
Buffer : @USINT; (* Buffer address *)
Value : USINT; (* Value to set *)
Size : UDINT; (* Buffer size *)
END_VAR
```

1

	Project : SMSSend	
	FUNCTION : MemSet	
	Release : SMSSend	Ver :1.00
	Author :	Date:27/05/2013
	Note :	Page:1 of 1