

μ

μ

μ

μ

μ

PLC

1

μ

μ

:

✓

μ

✓

PLC

4

, 3

✓

μ

Start, μ

NO

✓

μ

Stop, μ

NC

✓

16

✓

μ

ON-OFF

✓

(

220 V_{AC})

✓

μ

μ

μ

NC

μ

NO

✓

μ

μ

✓

μ

2

μ

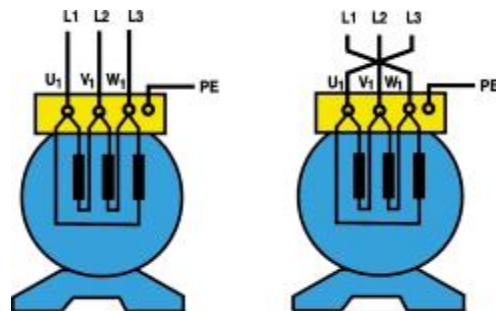
(. .

μ -

μ

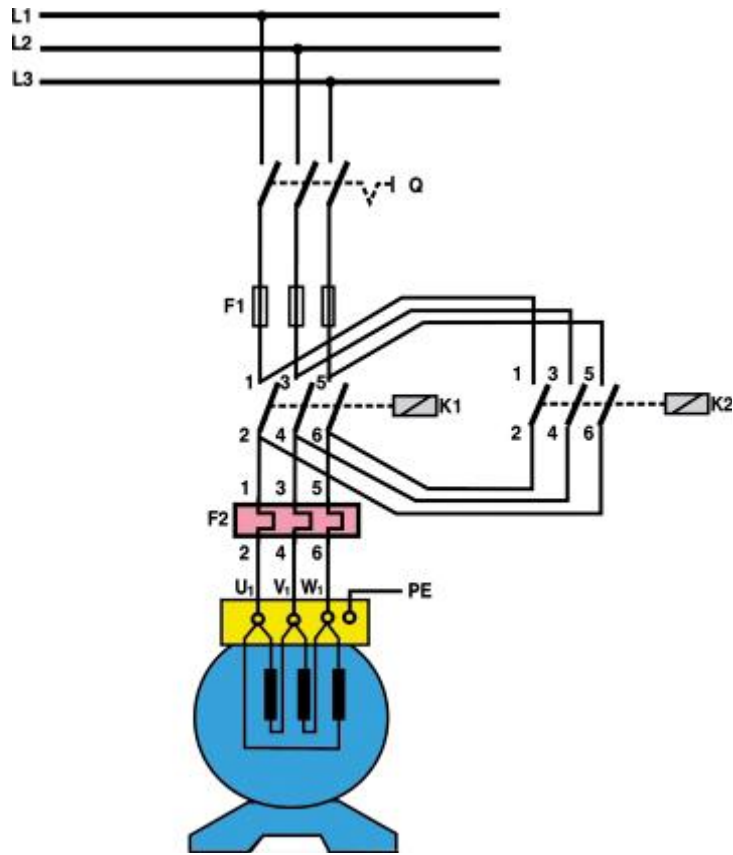
)

μ 1:



μ 1:

μ μ μ , μ
 μ 2:



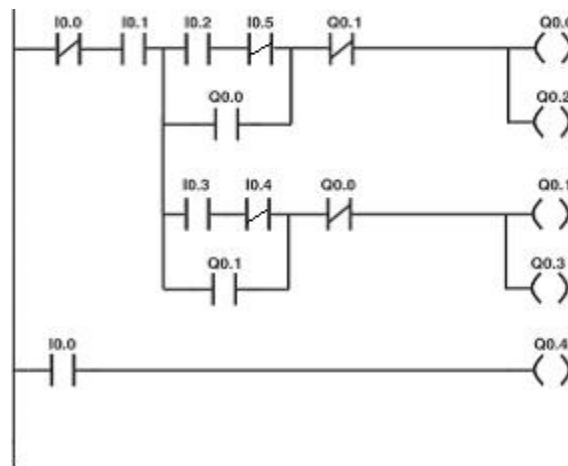
μ 2: μ
 μ 2 μ
 (Q), (F1), (1

2) μ (F2).
 1,

: U₁-L₁, V₁-L₂, W₁-L₃. 2
 U₁-L₃, V₁-L₂, W₁-L₁,

μ μ μ μ μ μ μ μ μ .

) μ μ Stop. h1 h2 μ
 , h3 .
 μ μ μ μ μ μ ,
 μ μ μ μ μμ Ladder,
 μ μ μ μ μ μμ
 μ μ μ 4. μ μ μ
 μ μ (0.0), μ
 μ μ μ μ μ NC .



ΕΙΣΟΔΟΙ

- I 0.0 : επαφή NO του θερμικού
- I 0.1 : NC επαφή του μπουτόν STOP
- I 0.2 : επαφή NO του μπουτόν START Δ
- I 0.3 : επαφή NO του μπουτόν START Α
- I 0.4 : επαφή NC του μπουτόν START Δ
- I 0.5 : επαφή NC του μπουτόν START Α

ΕΞΟΔΟΙ

- Q 0.0 : πηνίο ρελέ ισχύος δεξιάς περιστροφής (K1)
- Q 0.1 : πηνίο ρελέ ισχύος αριστερής περιστροφής (K2)
- Q 0.2 : λαχνία ένδειξης δεξιάς περιστροφής (h1)
- Q 0.3 : λαχνία ένδειξης αριστερής περιστροφής (h2)
- Q 0.4 : λαχνία ένδειξης υπερθέρμανσης

μ 4: μμ Ladder PLC μ
 , μ μ

μ μ μ μ μ μ
 μ , μ
 μ Q0.0
 μ , 1 h1
 (), Q0.1 2 μ
 h2.

3

GMWin

3.1

μμ GMWin

μμ μ GMWin

μ PLC.

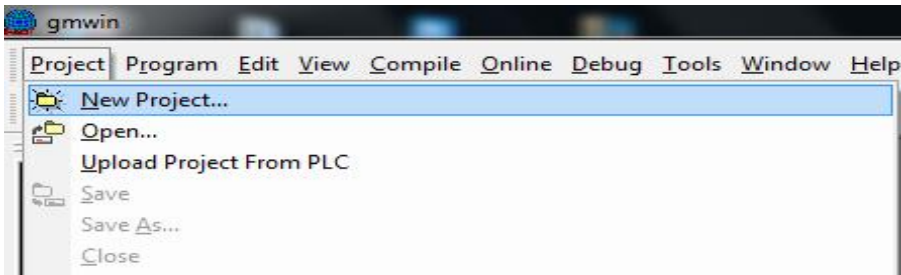
μ	%IX0.0.0	(1)	%QX0.0.0
NC μ STOP	%IX0.0.1	(2)	%QX0.0.1
NO μ START	%IX0.0.2	(h1)	%QX0.0.2
NO μ START	%IX0.0.3	(h1)	%QX0.0.3
C μ START	%IX0.0.4	μ	%QX0.0.4
C μ START	%IX0.0.5		

GMWin μ project.

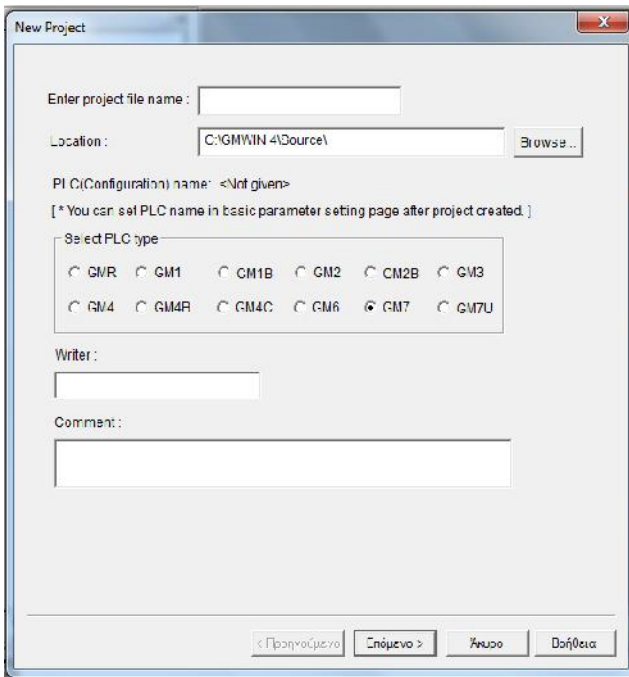
GMWin

project



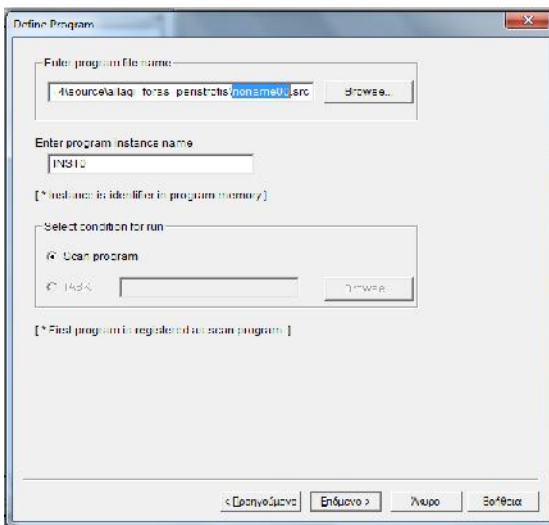


3.2 μ μμ



Project name	Allagi_foras_peristrofis
PLC type	GM7
Writer	μ
Comment	Allagi foras peristrofis enos ATKBD

μ ‘ μ ’



'noname00.src'

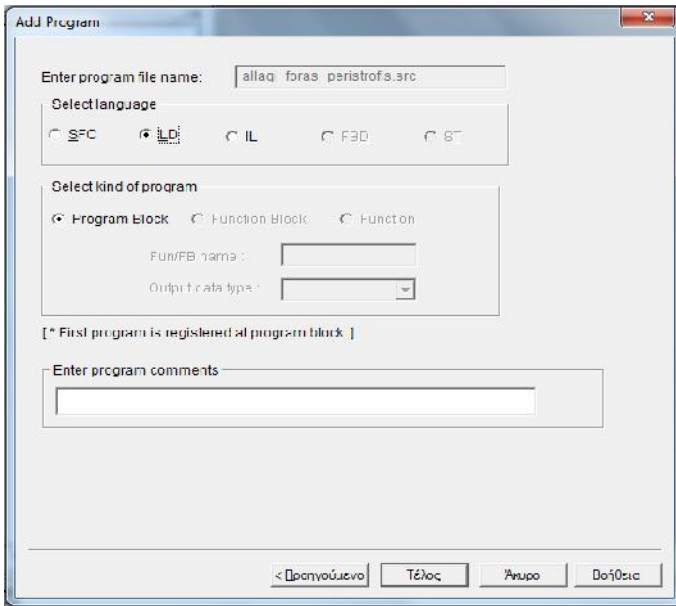
'allagi_foras_peristrofis.src'

μ

'Select Language'

Ladder (LD)

μ



3.3 μ

μμ

μ

project

μ

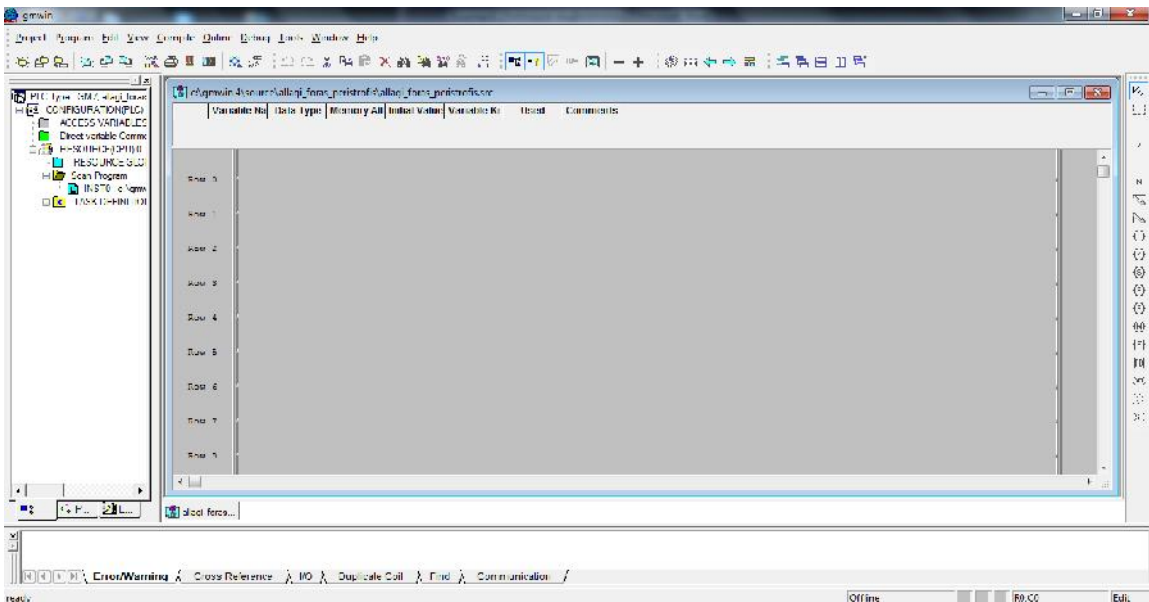
μ

μ

μ

μ

μμ





μ

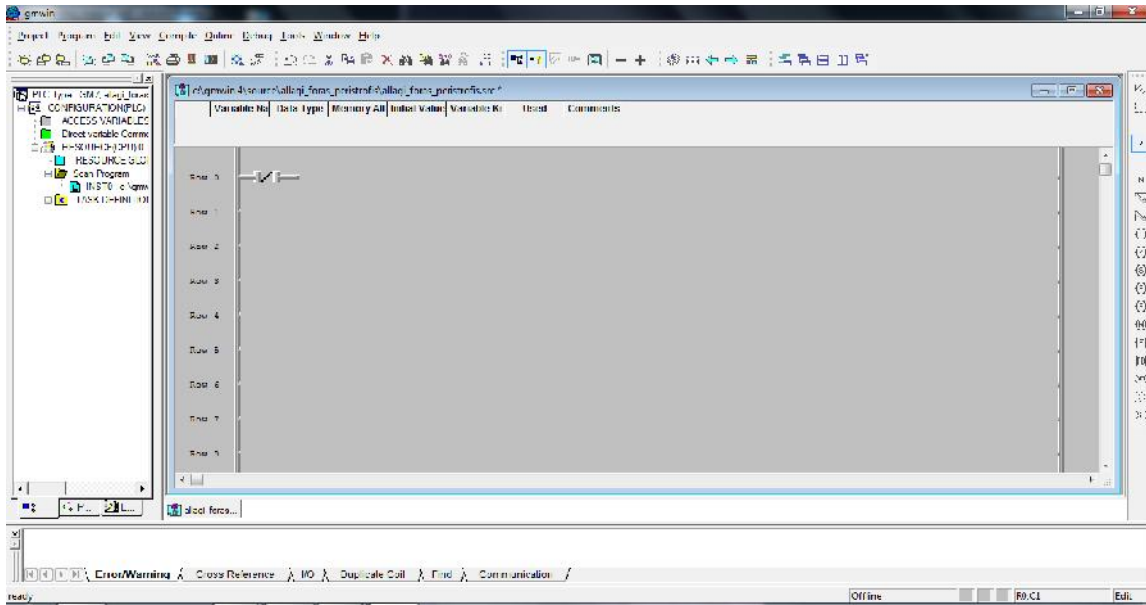
μ

NC

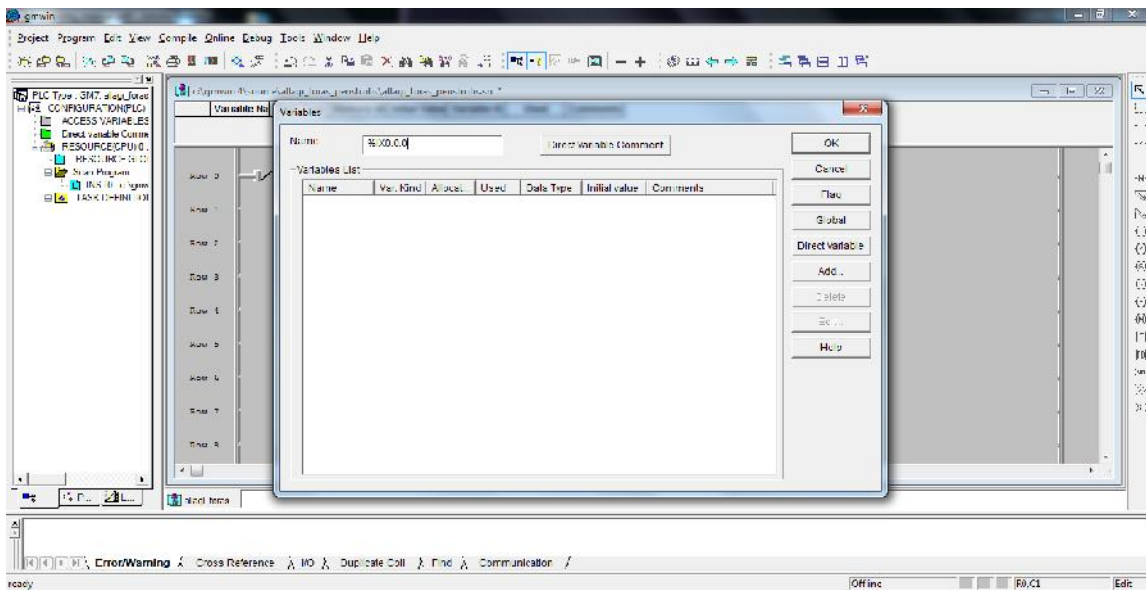
'Row 0'

μ

Ladder.



μ



μ

μ

μ

μ

'Name'

μ

μ

μ

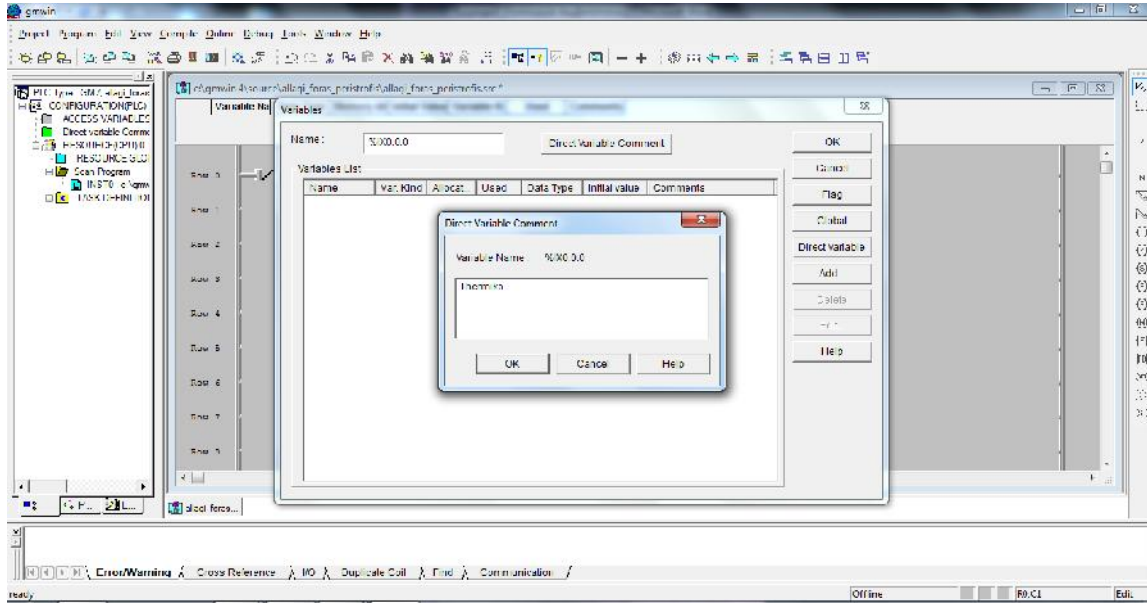
μ

μ

‘Direct Variable Comment’

μ

μ



μ

μ

μ

μ

μ

μ

μ

μ

μ

μ

‘Thermiko’.

μ

μ

μ

μ

μ

μ

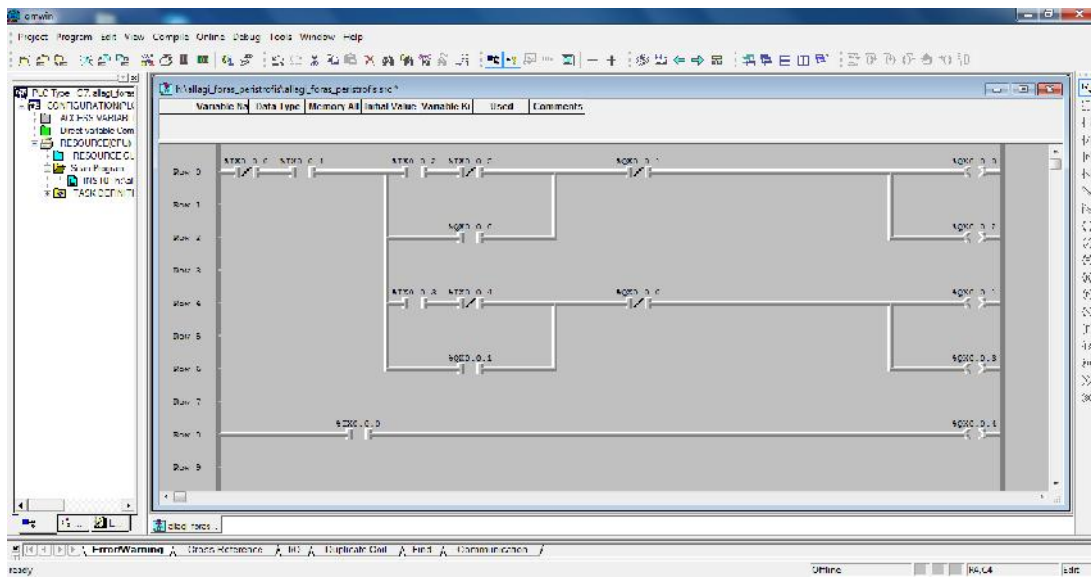
4.

μ

μμ

GMWin

:



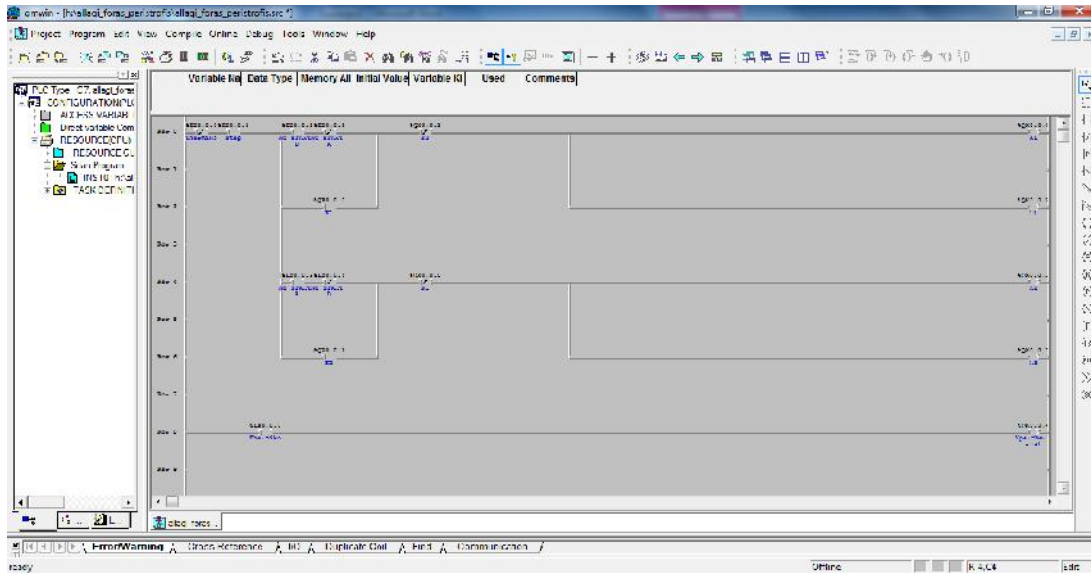
μ
'View'

μ
'Show Memory/Comment'.

μ

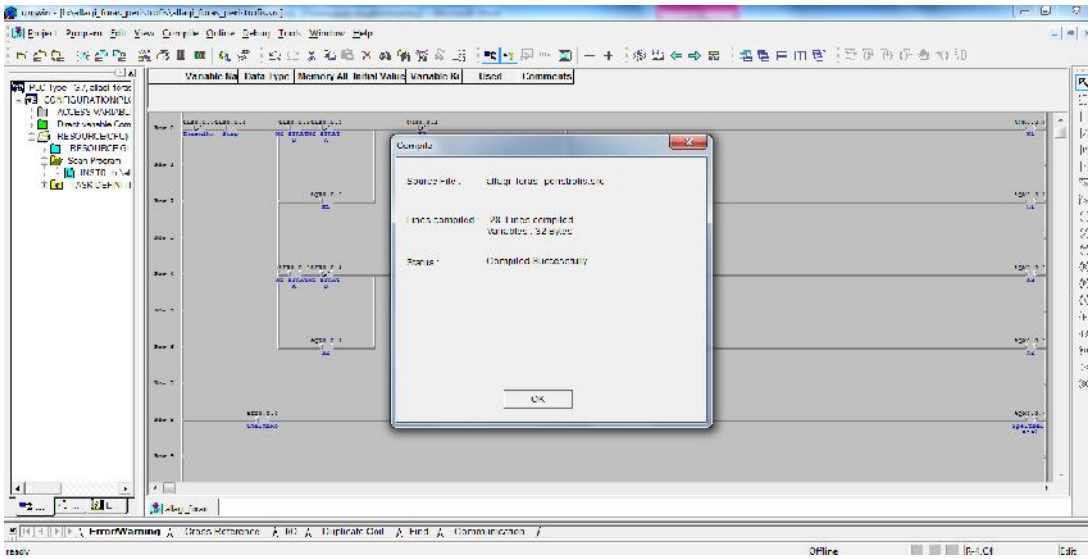
μ

:

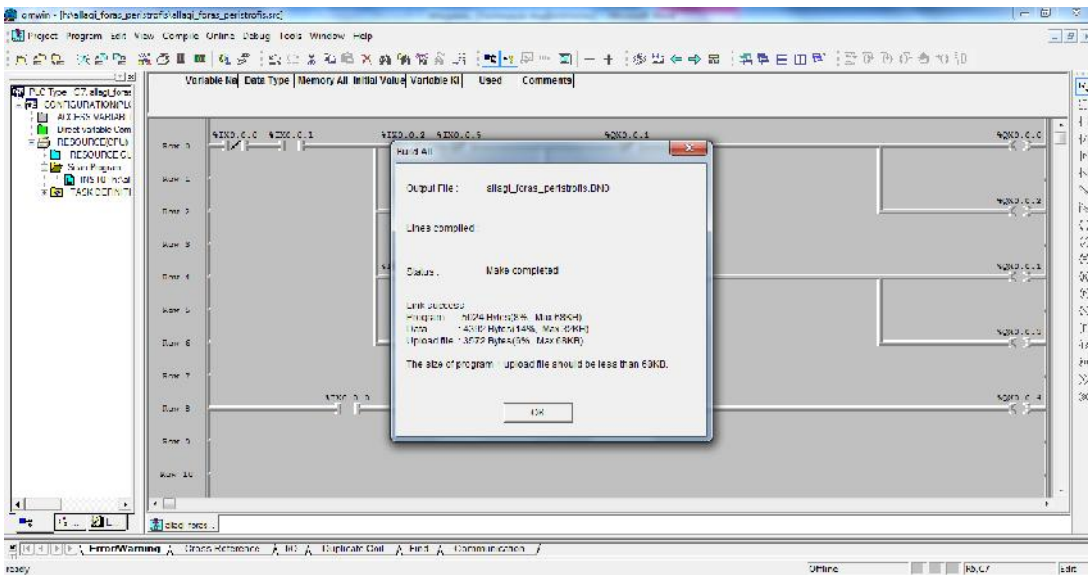


3.4 Compile Build

μ Write project μ μ Compile
Build. μ project μ Write PLC
μ compile μ μ Compile
μ 'Compile'.
μ μ μ , μ :

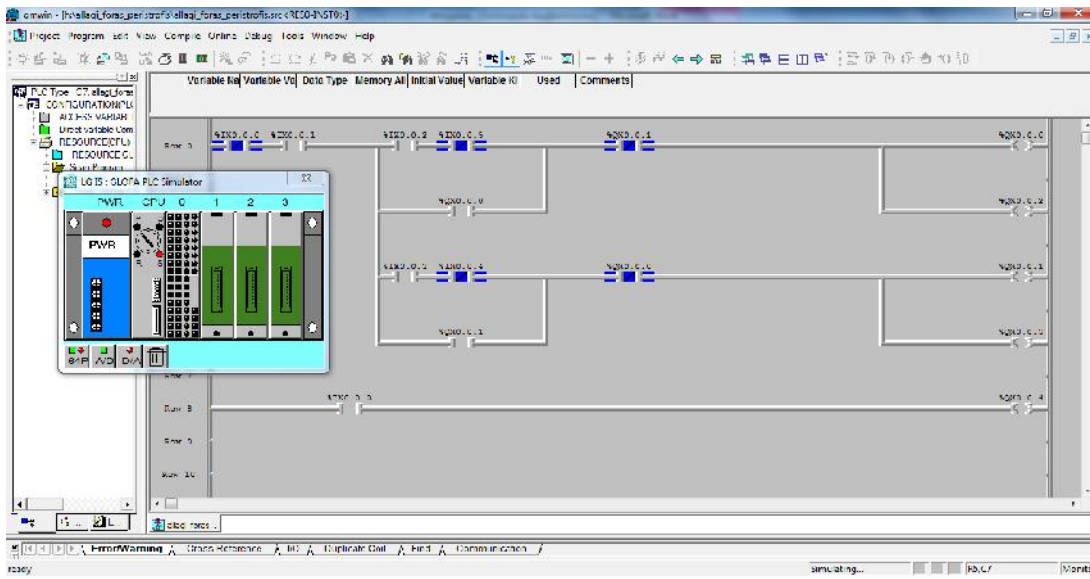


Compile μ 'Build All'. $\mu\mu$ μ , μ
 μ :



3.5 μ $\mu\mu$
 μ $\mu\mu$ μ $\mu\mu$ μ μ
 $\mu\mu$ μ PLC, μ Write
 μ μ
 'Tools' μ 'Start Simulation'. μ μ

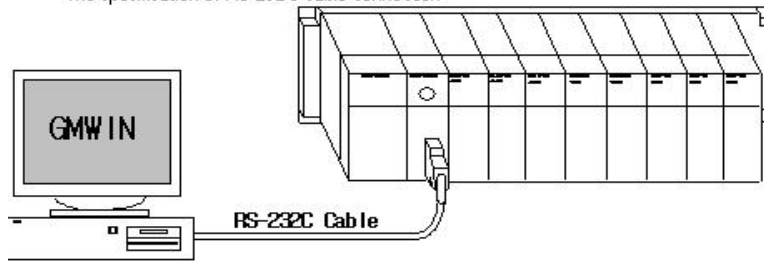
Simulation' μ μ : 'Compile' 'Build All' 'Start



3.6 μμ PLC

μ μ μ PLC μ RS-232C

The specification of RS-232C cable connection



Pin No.	GMWIN (IBM PC)
1	DCD/CD
2	RXD
3	TXD
4	DTR
5	COM/SG
6	DSR
7	RTS
8	CTS
9	RI

9 Pins

GLOFA PLC	Pin No.
DCD/CD	1
RXD	2
TXD	3
DTR	4
COM/SG	5
DSR	6
RTS	7
CTS	8
RI	9

9 Pins

- PLC
- 1) Project Option.
Connection Option.
- :
- i) Number of retry: 1,
 - ii) Method of Connection: RS-232C,
 - iii) Communication port: COM1 COM2 (),
 - iv) Depth of Connection: Local
- 2) PLC PAU/REM ().
 - 3) Online Connect.
 - 4) Online, PLC mode
RUN.
 - 5) 'Would you like to change to the Run Mode'
Yes.
 - 6) ('Parameters and Program – Upload Program')
OK.
 - 7) Online Write.
 - 8) 'To write to PLC, PLC must be at stop mode.'
Switch PLC to stop mode?
PLC

3.7

