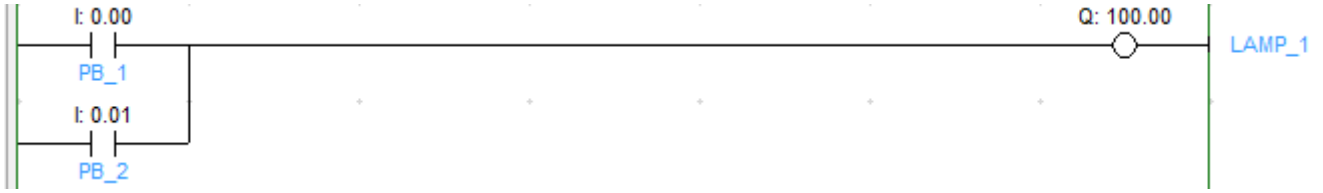
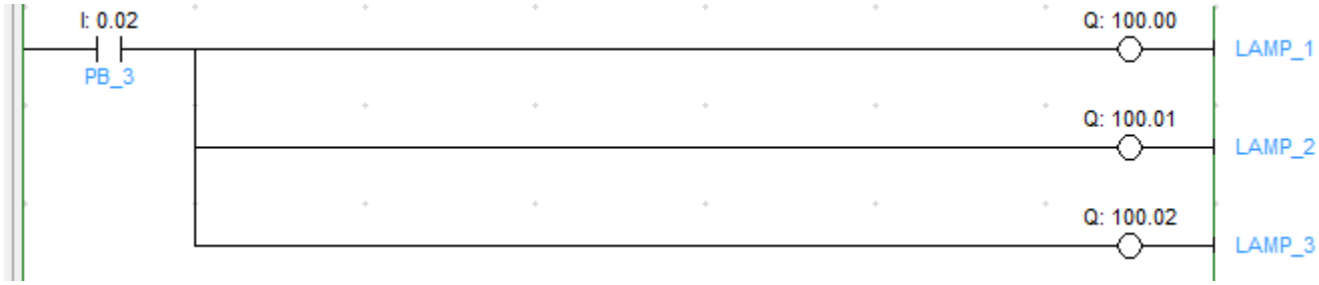
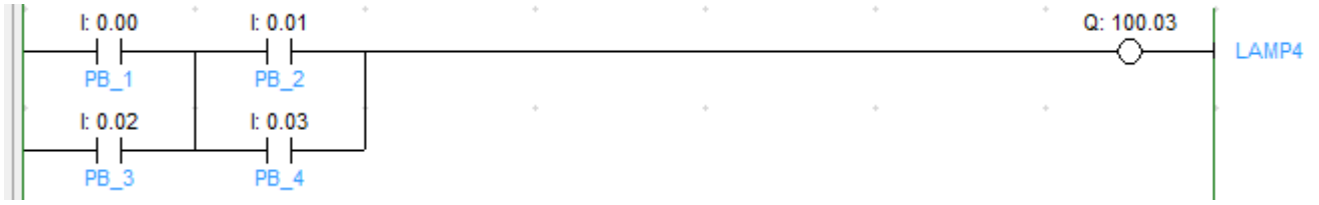
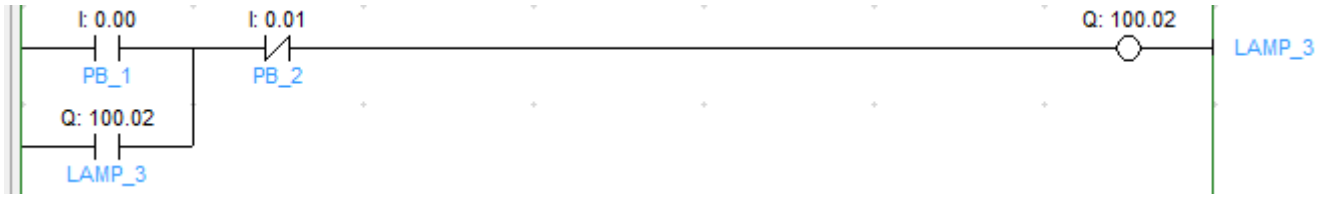
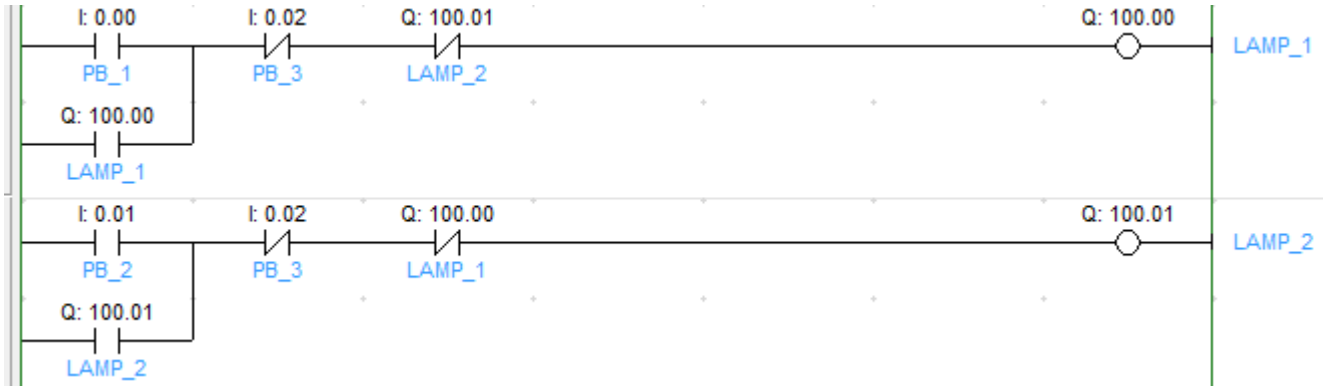
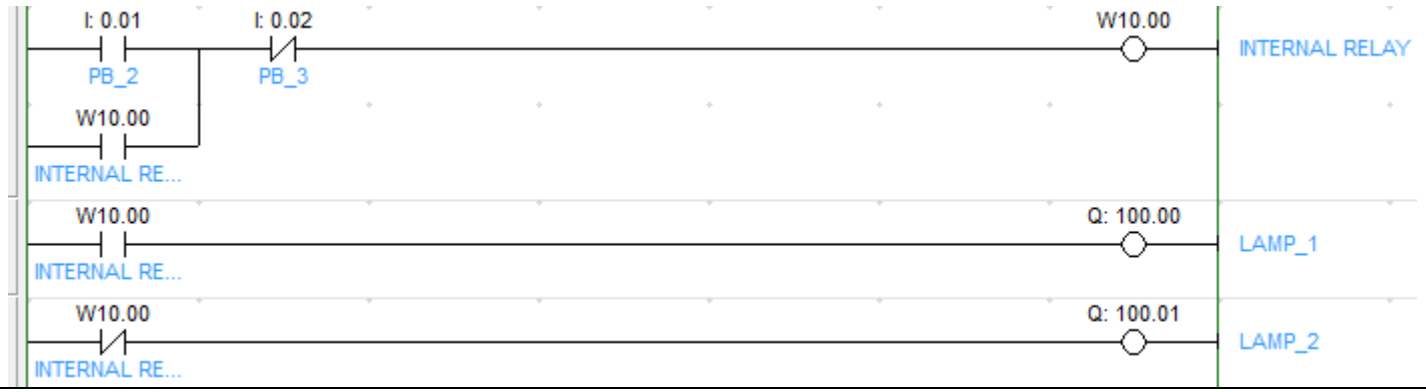
LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

NO	LADDER DIAGRAM	INSTRUCTION LIST
1	LD INSTRUCTION 	LD 0.00 OUT 100.00
2	LDNOT INSTRUCTION 	LDNOT 0.00 OUT 100.00
3	AND INSTRUCTION 	LD 0.00 AND 0.01 OUT 100.00
4	ANDNOT INSTRUCTION 	LDNOT 0.00 ANDNOT 0.01 OUT 100.00
3	OR INSTRUCTION 	LD 0.00 OR 0.01 OUT 100.00

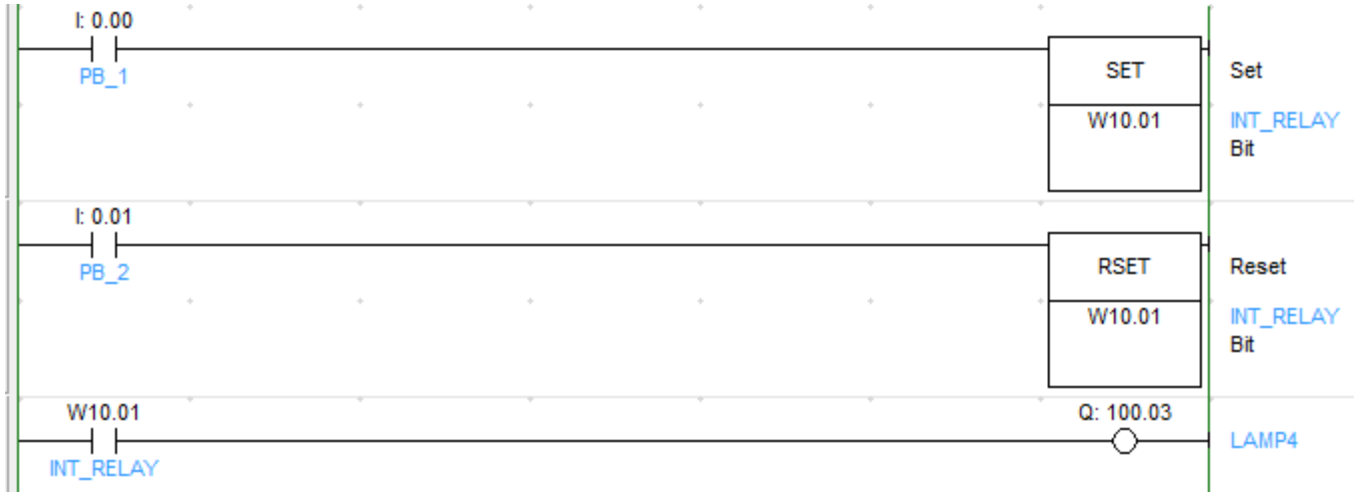
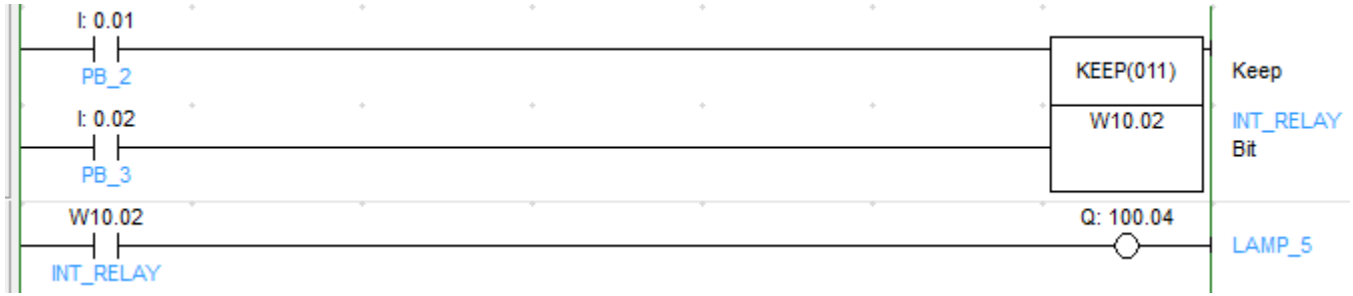
LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

NO	LADDER DIAGRAM	INSTRUCTION LIST
4	ORNOT INSTRUCTION 	LDNOT 0.00 ORNOT 0.01 OUT 100.00
5	MULTIPLE OUTPUT 	LD 0.02 OUT 100.00 OUT 100.01 OUT 100.02
6	ANDLD 	LD 0.00 OR 0.02 LD 0.01 OR 0.03 ANDLD OUT 100.03
7	ORLD 	LD 0.00 AND 0.01 LD 0.02 AND 0.03 ORLD OUT 100.04

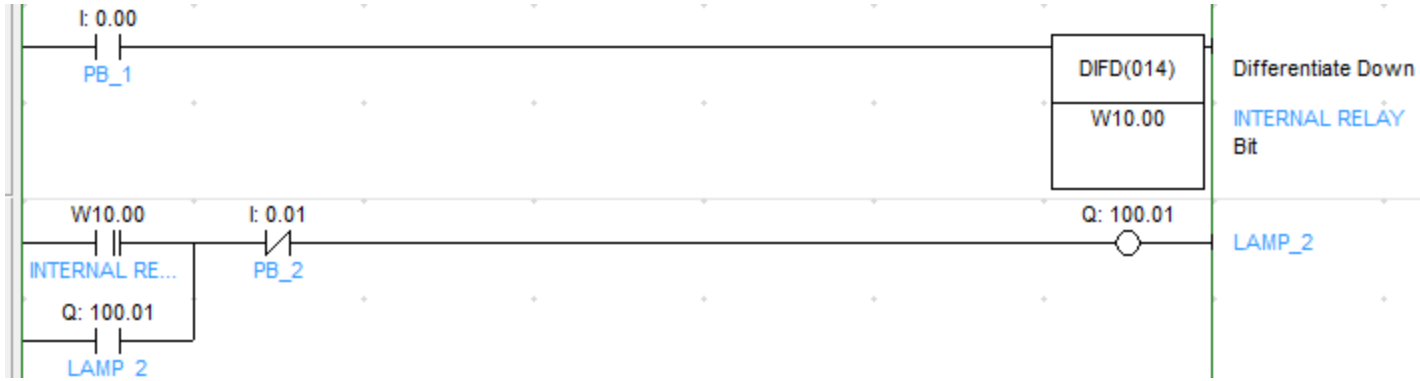
LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

NO	LADDER DIAGRAM	INSTRUCTION LIST
8	LATCHING (SELF HOLDING) 	LD 0.00 OR 100.02 ANDNOT 0.01 OUT 100.02
9	INTERLOCK 	LD 0.00 OR 100.00 ANDNOT 0.02 ANDNOT 100.01 OUT 100.00 LD 0.01 OR 100.01 ANDNOT 0.02 ANDNOT 100.00 OUT 100.01
10	WORK BIT (INTERNAL RELAY) 	LD 0.01 OR W10.00 ANDNOT 0.02 OUT W10.00 LD W10.00 OUT 100.00 LDNOT W10.00 OUT 100.01

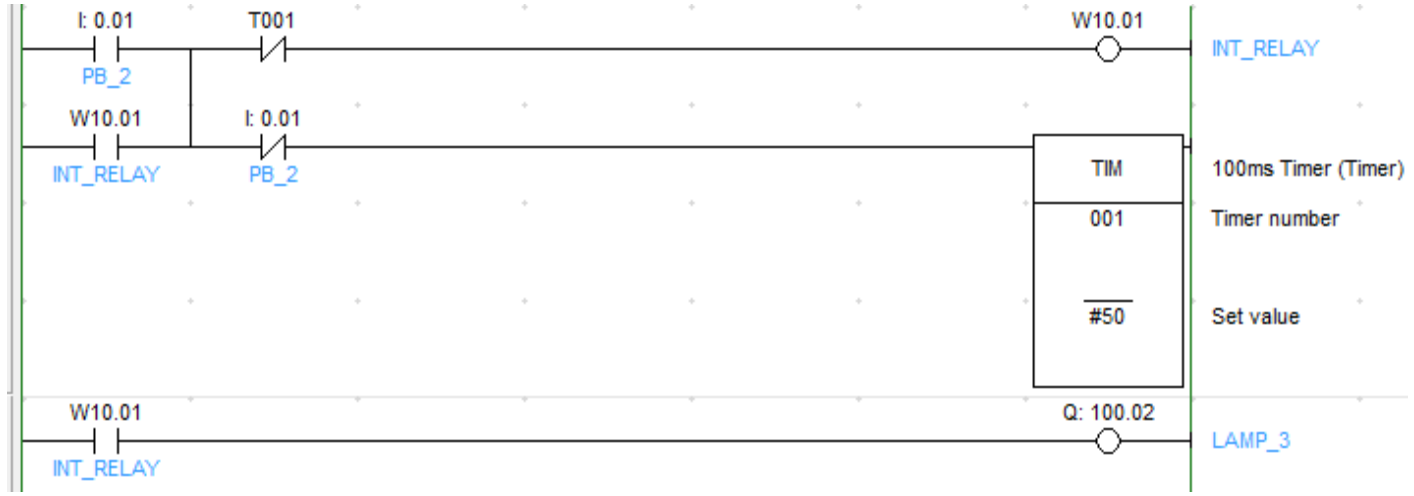
LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

NO	LADDER DIAGRAM	INSTRUCTION LIST
11	SET RSET INSTRUCTION 	LD 0.00 SET W10.01 LD 0.01 RSET W10.01 LD W10.01 OUT 100.03
12	KEEP INSTRUCTION 	LD 0.01 LD 0.02 KEEP W10.02 LD W10.02 OUT 100.04

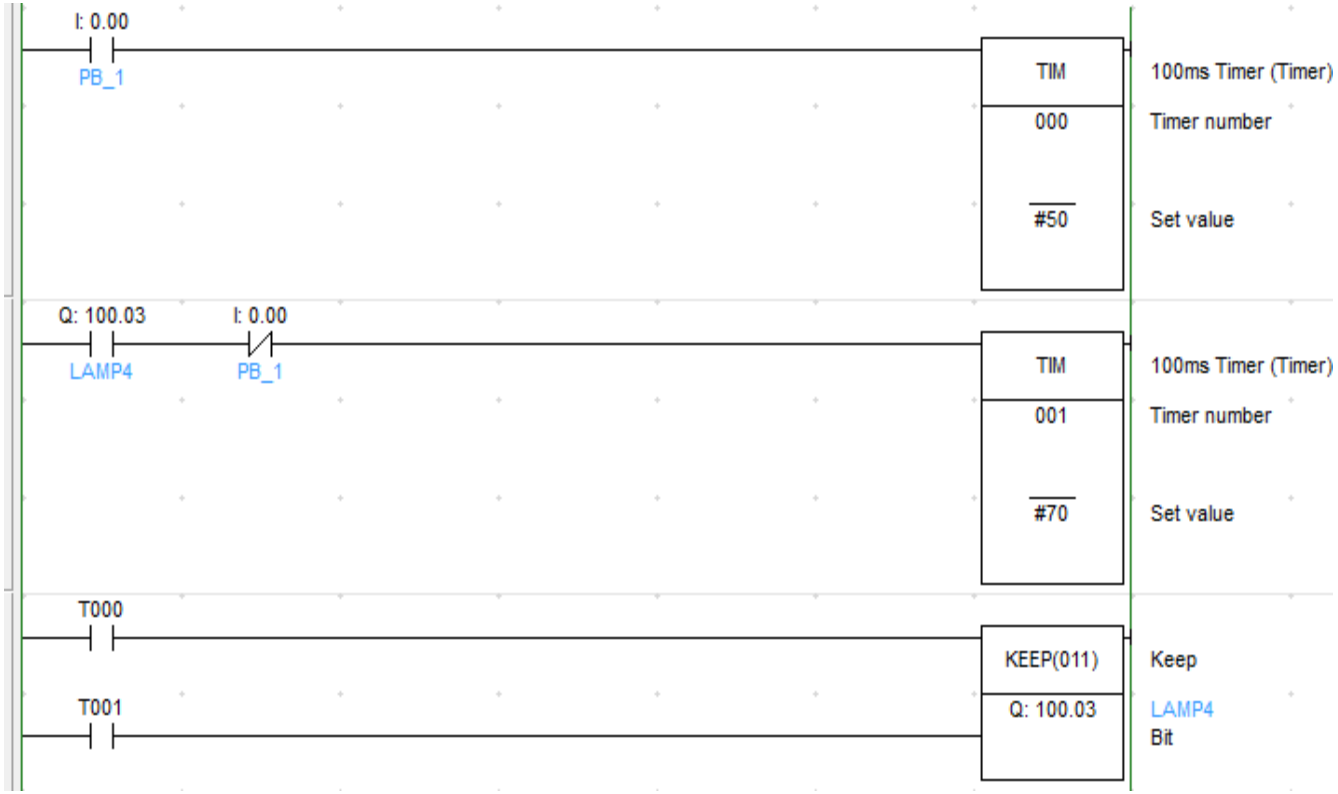
LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

NO	LADDER DIAGRAM	INSTRUCTION LIST
13	DIFFERENTIATE UP (DIFU) INSTRUCTION 	LD 0.00 DIFU W10.00 LD W10.00 OR 100.01 ANDNOT 0.01 OUT 100.01
14	DIFFERENTIATE DOWN (DIFD) INSTRUCTION 	LD 0.00 DIFD W10.00 LD W10.00 OR 100.01 ANDNOT 0.01 OUT 100.01

LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

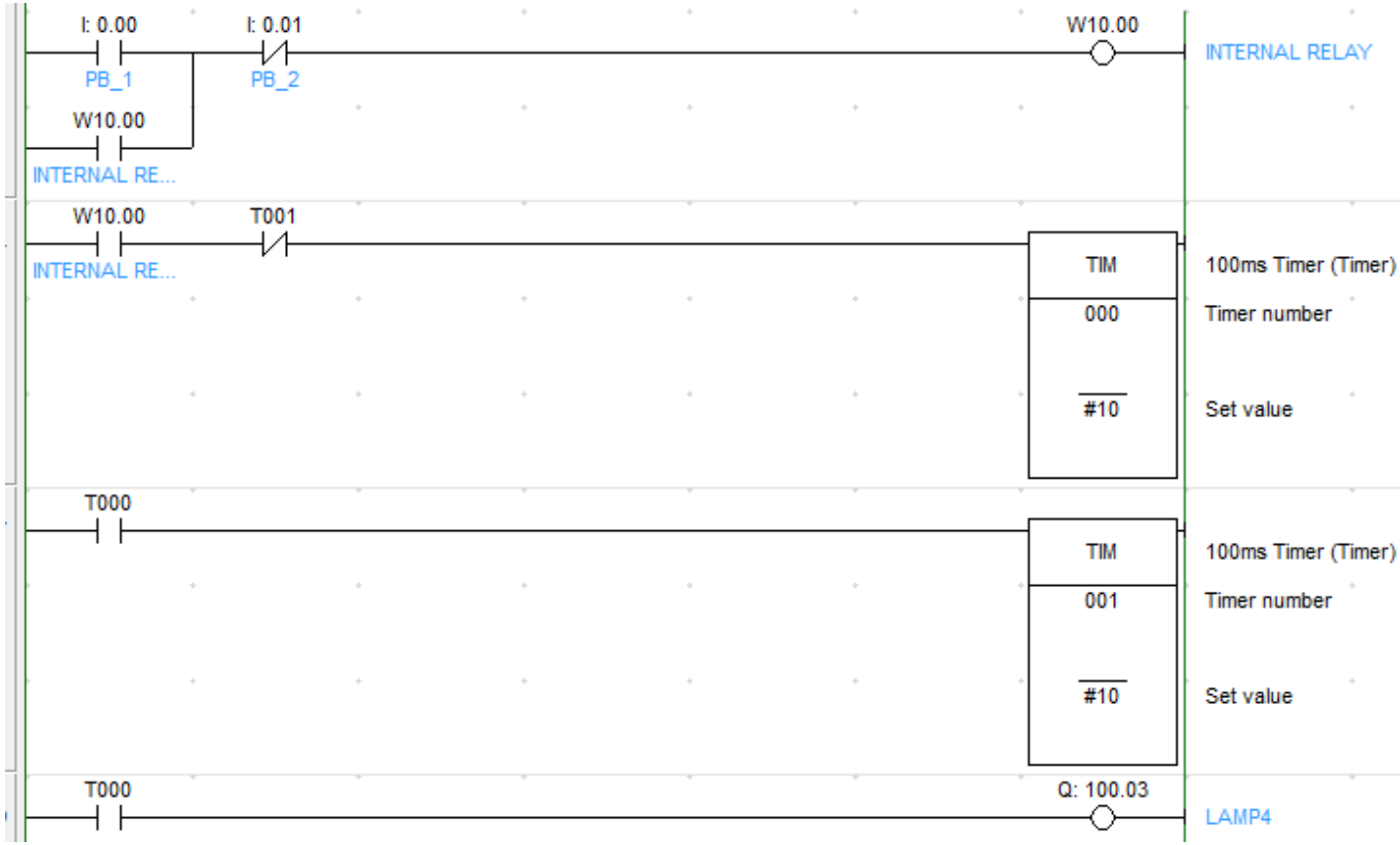
NO	LADDER DIAGRAM	INSTRUCTION LIST
15	TIMER INSTRUCTION – DELAY TO ON 	LD 0.00 TIM 00 #50 LD T000 OUT 100.02
16	TIMER INSTRUCTION – DELAY TO OFF 	LD 0.01 OR W10.01 OUT TR0 ANDNOT T001 OUT W10.01 LD TR0 ANDNOT 0.01 TIM 001 #50 LD W10.01 OUT 100.02

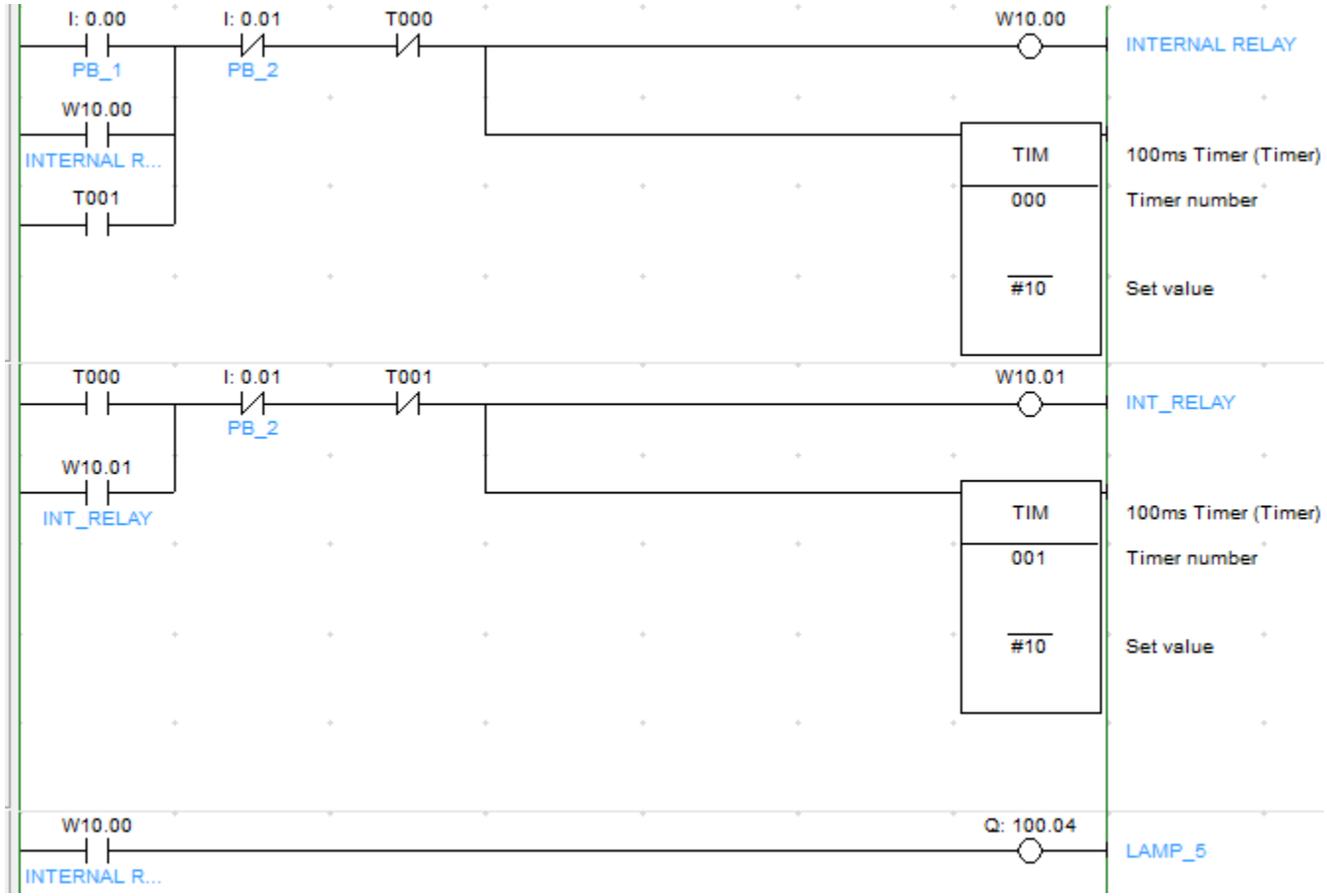
LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

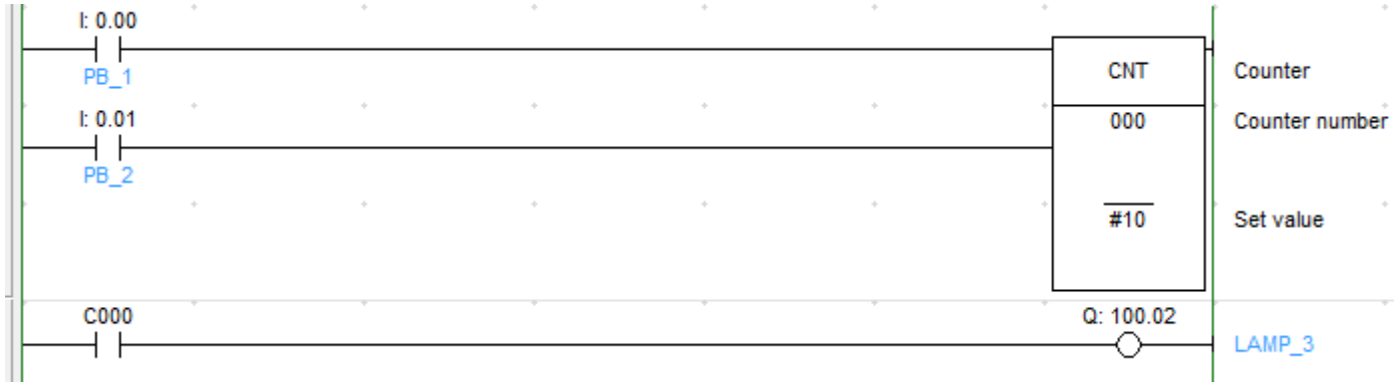
NO	LADDER DIAGRAM	INSTRUCTION LIST
17	TIMER INSTRUCTION – ON/OFF DELAY 	LD 0.00 TIM 000 #50 LD 100.03 ANDNOT 0.00 TIM 001 #70 LD T000 LD T001 KEEP 100.03

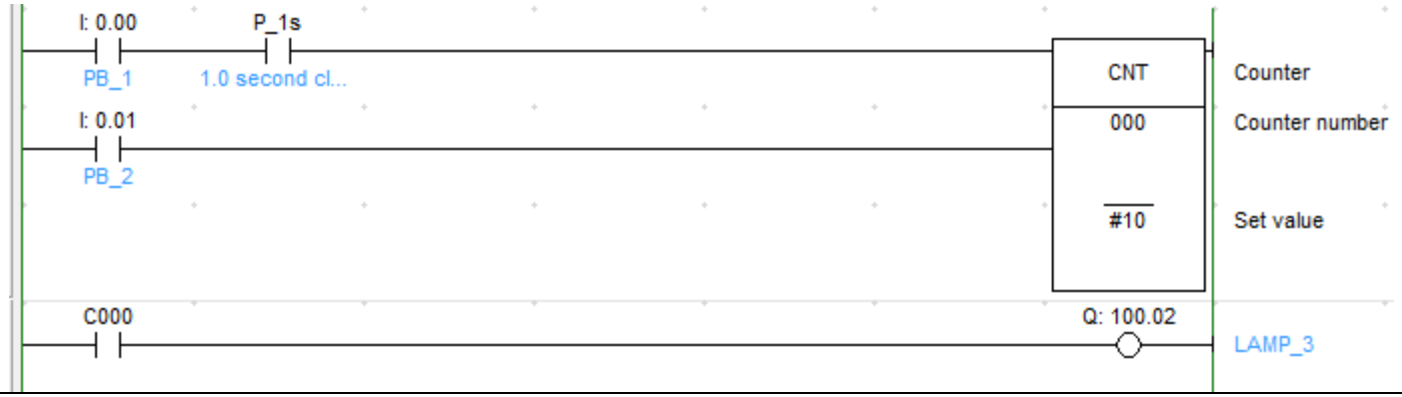
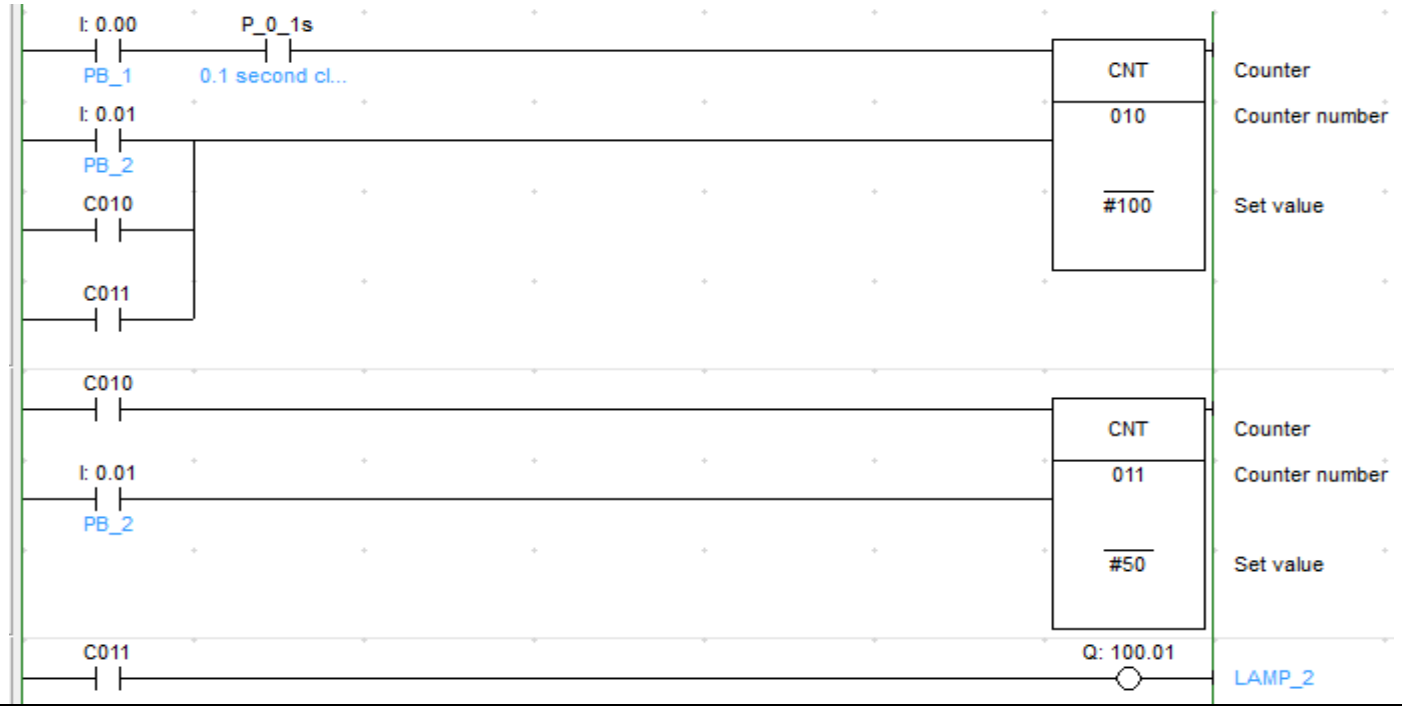
LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

NO	LADDER DIAGRAM	INSTRUCTION LIST
18	TIMER INSTRUCTION – FLICKER	LD 0.00 OR W10.00 ANDNOT 0.01 OUT W10.00 LD W10.00 ANDNOT TIM001 TIM 000 #10 LD T000 TIM 001 #10 LD T000 OUT 100.03

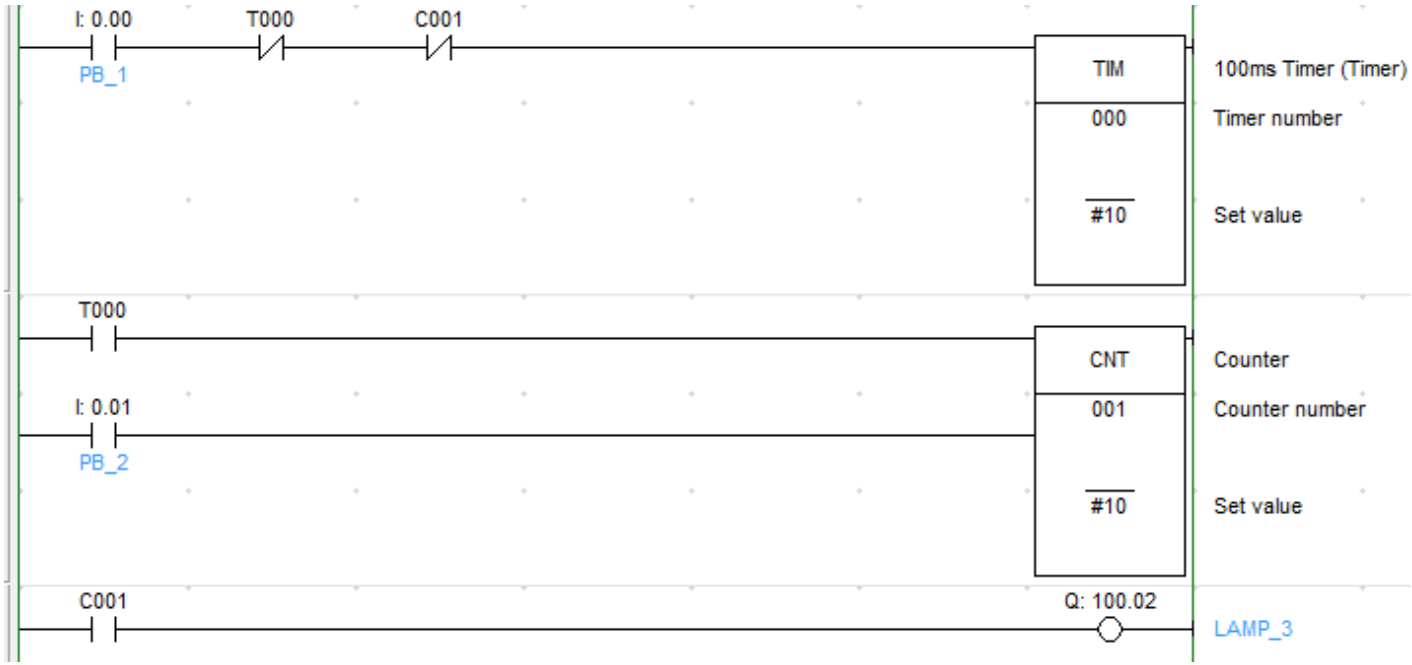


<table>
<tr><th>NO</th><th>LADDER DIAGRAM</th><th>INSTRUCTION LIST</th></tr>
<tr><td>19</td><td>TIMER INSTRUCTION – FLICKER
 
</td><td>LD 0.00
OR W10.00
OR T001
ANDNOT 0.01
ANDNOT T000
OUT W10.00
TIM 000
#10
LD T000
OR W10.01
ANDNOT 0.01
ANDNOT T001
OUT W10.01
TIM 001
#10
LD W10.00
OUT 100.04</td></tr>
<tr><td>20</td><td>TIMER INSTRUCTION – FLICKER (USING SPECIAL RELAY)
 
</td><td>LD 0.01
AND P_1s
OUT 100.03</td></tr>
</table>

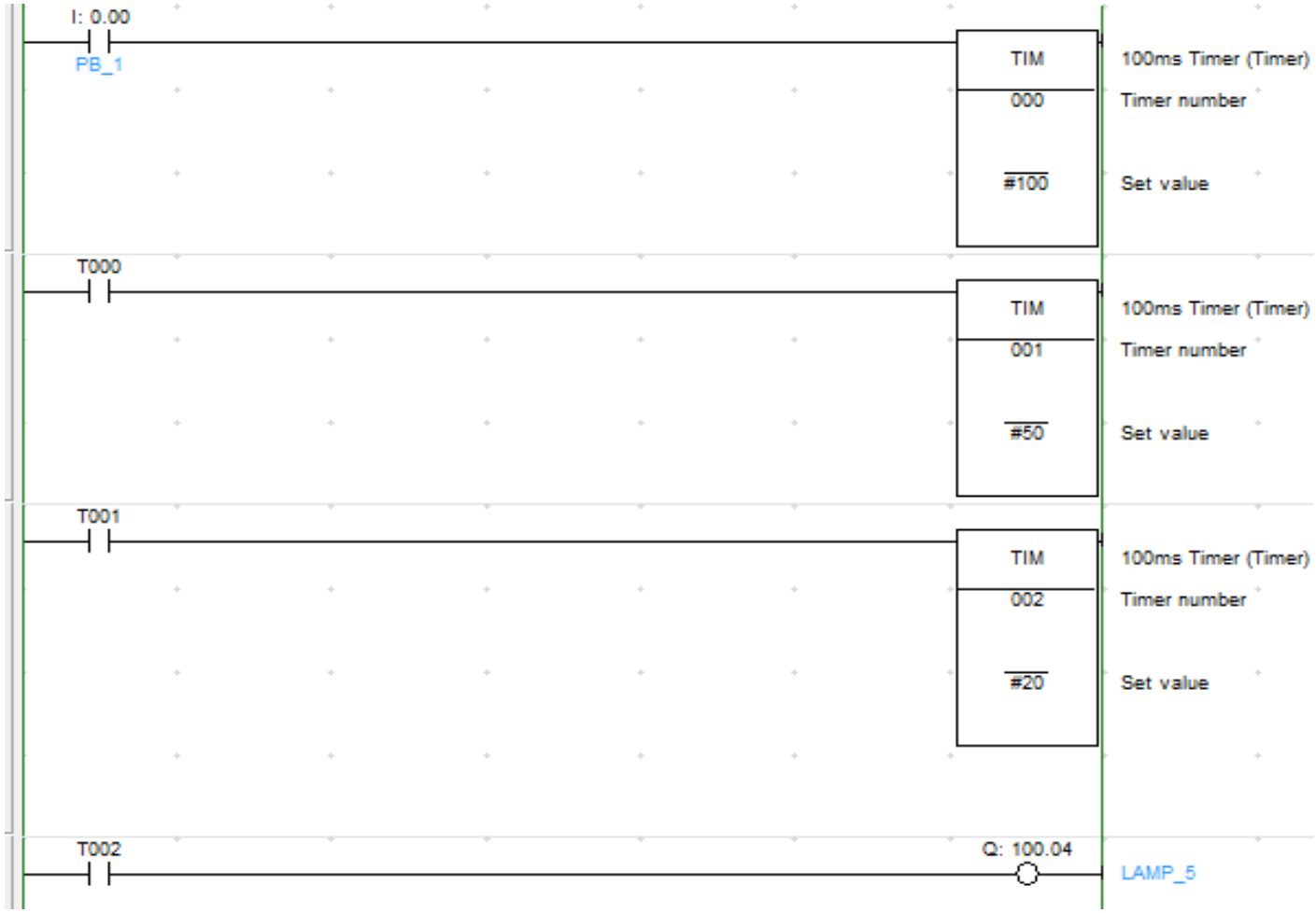
NO	LADDER DIAGRAM	INSTRUCTION LIST
21	TIMER INSTRUCTION – LATCHING (AUTO OFF) 	LD 0.02 OR 100.04 ANDNOT T002 OUT 10004 TIM 002 #40
22	COUNTER INSTRUCTION -1 	LD 0.00 LD 0.01 CNT 000 #10 LD C000 OUT 100.02

NO	LADDER DIAGRAM	INSTRUCTION LIST
23	COUNTER INSTRUCTION -2 	LD 0.00 AND P_1s LD 0.01 CNT 000 #10 LD C000 OUT 100.02
24	COUNTER INSTRUCTION – EXTENDED COUNTER 	LD 0.00 AND P_0_1s LD 0.01 OR C010 OR C011 CNT 010 #100 LD C010 LD 0.01 CNT 011 #50 LD C011 OUT 100.01

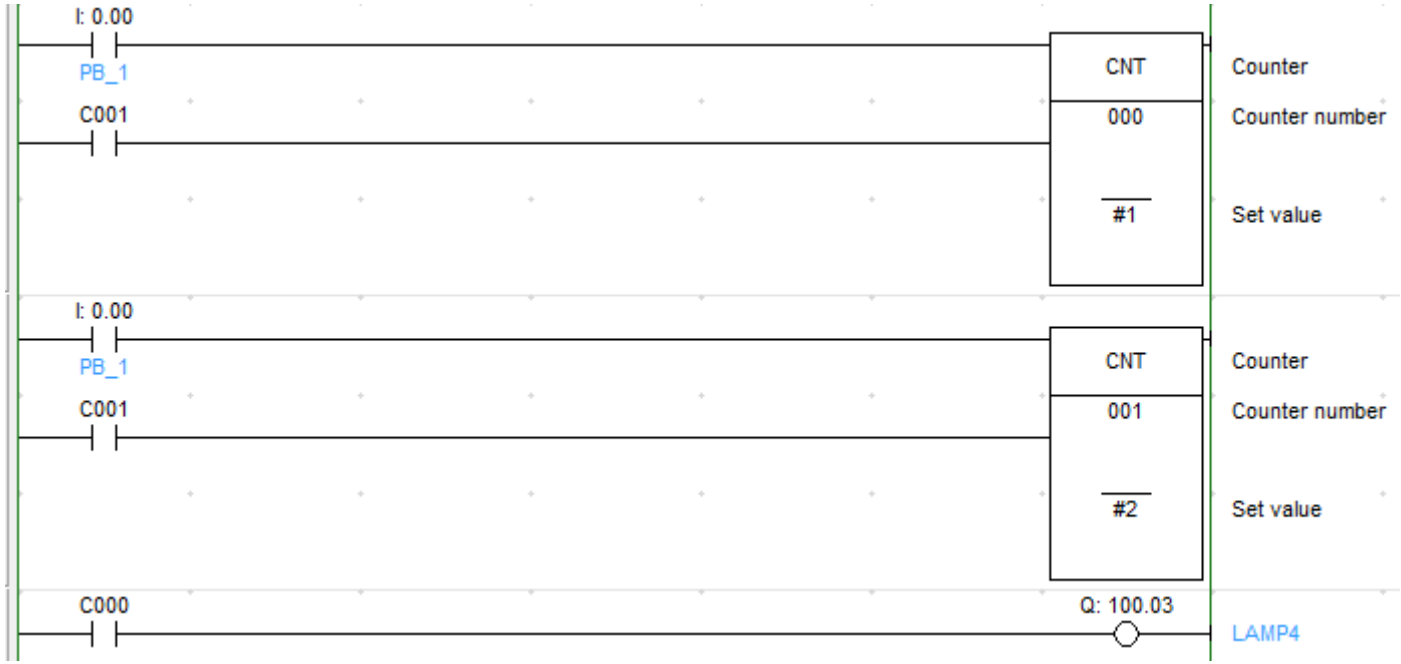
LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

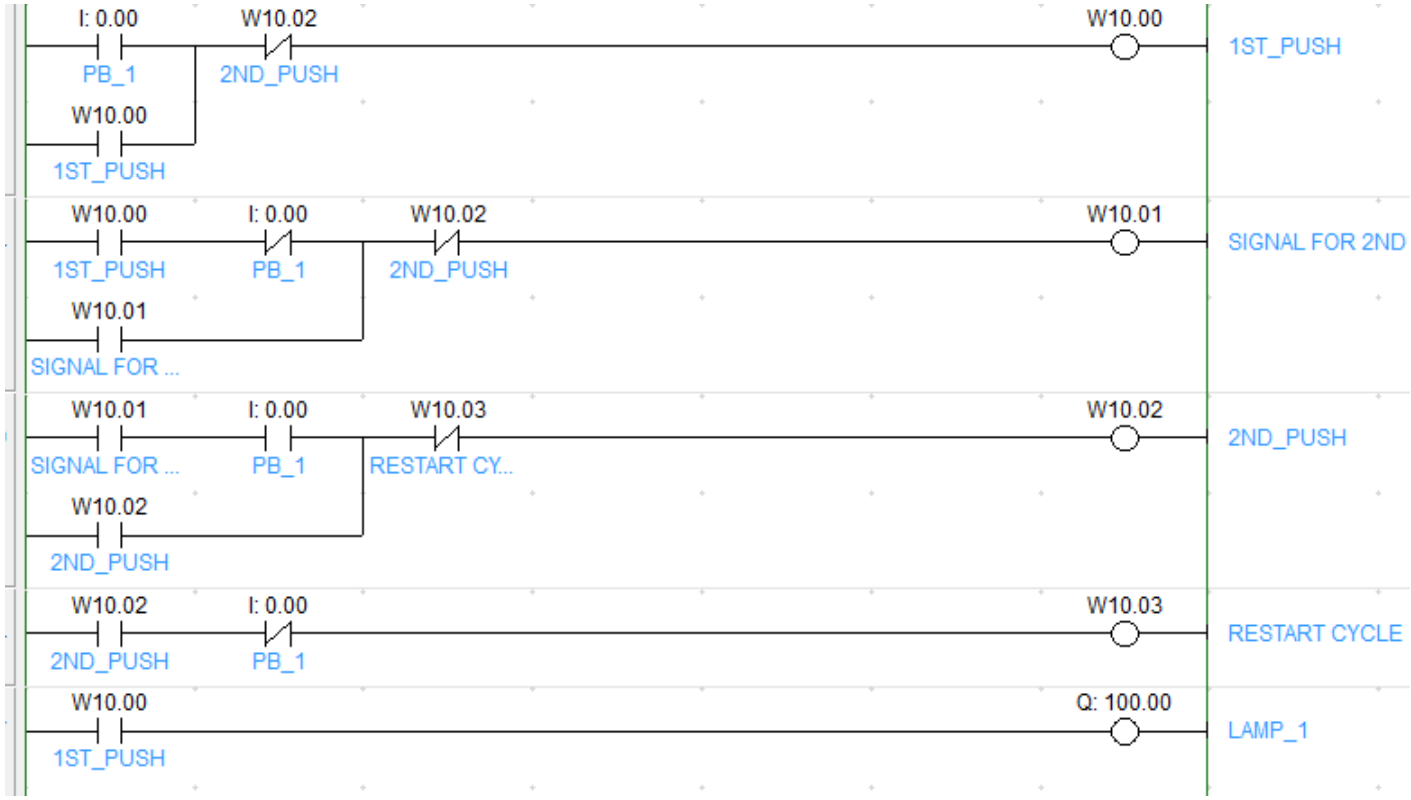
NO	LADDER DIAGRAM	INSTRUCTION LIST
25	COUNTER INSTRUCTION –EXTENDED TIMER USING COUNTER AND TIMER 	LD 0.00 ANDNOT T000 ANDNOT C001 TIM 000 #10 LD T000 LD 0.01 CNT 001 #10 LD C001 OUT 100.02

NO	LADDER DIAGRAM	INSTRUCTION LIST
26	EXTENDED TIMER USING TIMER INSTRUCTION IN SERIES CONNECTION	LD 0.00 TIM 000 #100 LD T000 TIM 001 #50 LD T001 TIM 002 #20 LD T002 OUT 100.04

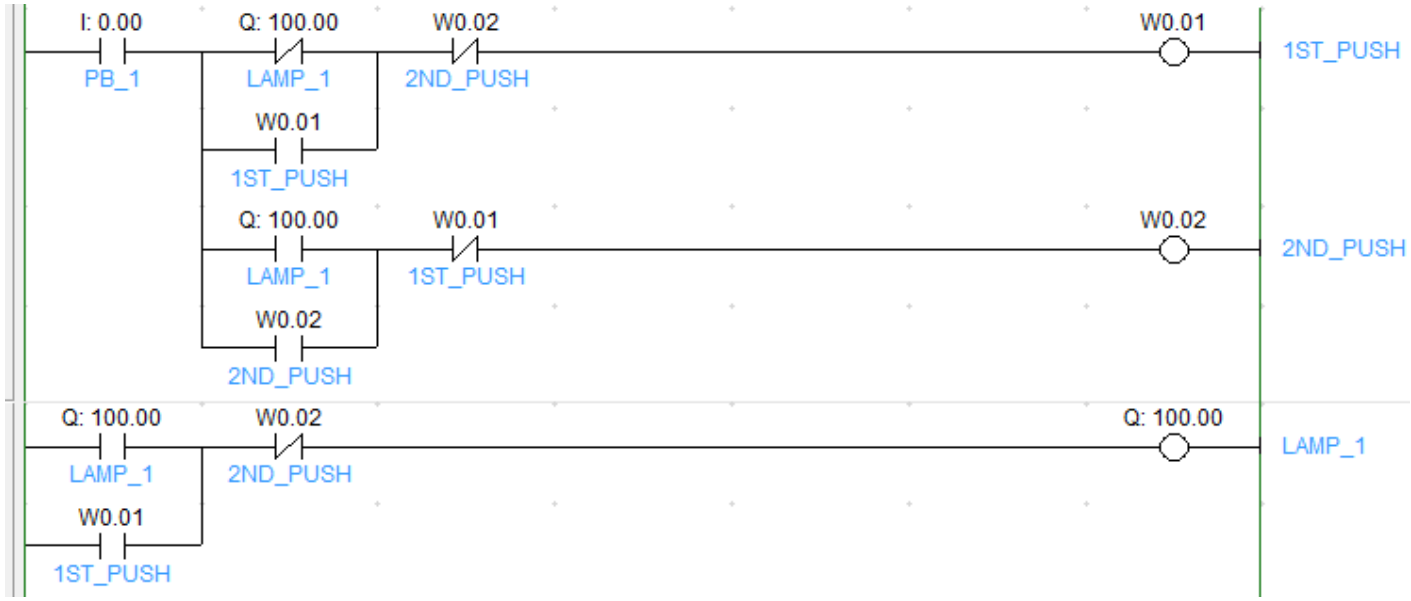


LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

NO	LADDER DIAGRAM	INSTRUCTION LIST
27	ON OFF SINGLE BUTTON USING COUNTER INSTRUCTION 	LD 0.00 LD C001 CNT 000 #1 LD 0.00 LD C001 CNT 001 #2 LD C000 OUT 100.03

NO	LADDER DIAGRAM	INSTRUCTION LIST
28	ON OFF SINGLE BUTTON – 1 	LD 0.00 OR W10.00 ANDNOT 10.02 OUT W10.00 LD W10.00 ANDNOT 0.00 OR W10.01 ANDNOT W10.02 OUT W10.01 LDW10.01 AND 0.00 OR W10.02 ANDNOT W10.03 OUT W10.02 LD W10.02 ANDNOT 0.00 OUT W10.03 LD W10.00 OUT 100.00

LADDER DIAGRAM EXAMPLES USING CX-PROGRAMMER AND OMRON CP1E PLC

NO	LADDER DIAGRAM	INSTRUCTION LIST
28	ON OFF SINGLE BUTTON – 1 	LD 0.00 OUT TR0 LDNOT 100.00 OR W0.01 ANDLD ANDNOT W0.02 OUT W0.01 LD TR0 LD 100.00 OR W0.02 ANDLD ANDNOT W0.01 OUT W0.02 LD 100.00 OR W0.01 ANDNOT W0.02 OUT 100.00