

[ ]



## 5

## 5.1

[ 5.1 ]

|       | 8<br>0<br>A | 80P |   | TYPE |                         |  |    |
|-------|-------------|-----|---|------|-------------------------|--|----|
|       |             | B   | I |      |                         |  |    |
| P01   | o           | o   | o |      |                         |  | 1) |
| P02   | o           | o   | o |      |                         |  | 1) |
| P03   | o           | o   | o |      |                         |  | 1) |
| P04   | o           | o   | o |      |                         |  |    |
| P11   | o           | o   | o |      |                         |  |    |
| P12   | o           | o   | o |      | STORED STROKE LIMIT1(+) |  |    |
| P13   | o           | o   | o |      | STORED STROKE LIMIT1(-) |  |    |
| P14   | o           | o   | o |      |                         |  | 1) |
| P21.4 | o           | o   | o |      | - Limit Switch B/A      |  |    |
| .3    | o           | o   | o |      | + Limit Switch B/A      |  |    |
| .2    | o           | o   | o |      | Switch B/A              |  |    |
| .1    | o           | o   | o |      |                         |  |    |
| .0    | o           | o   | o |      | +/-                     |  |    |
| P22.1 | o           | o   | o |      | G90/G91                 |  | 1) |
| .0    | o           | o   | o |      | G01/G00                 |  | 1) |
| P23.2 | o           | o   | o |      | ROV ENB                 |  |    |
| .1    | o           | o   | o |      | OV ENB                  |  |    |
| .0    | o           | o   | o |      | OP CH                   |  |    |
| P24   | o           | o   | o |      | Limit Choice            |  |    |
| P25   | o           | o   | o |      | Dog Choice              |  |    |
| P26.2 | o           | o   | o |      | Servo Alarm Check       |  |    |
| P26.1 | o           | o   | o |      | Servo Ready Check       |  |    |
| P26.0 | o           | o   | o |      | Brake                   |  |    |
| P27   | o           | o   | o |      | Servo Ready Check       |  |    |
| P31   | o           | o   | o |      | DRYRUN                  |  |    |
| P32   | o           | o   | o |      | (G00)                   |  |    |

|        | 8<br>0<br>A | 80P |   | TYPE |          |  |  |    |
|--------|-------------|-----|---|------|----------|--|--|----|
|        |             | B   | I |      |          |  |  |    |
| P33    | o           | o   | o |      |          |  |  |    |
| P34    | o           | o   | o |      |          |  |  | 1) |
| P35    | o           | o   | o |      | JOG      |  |  |    |
| P36    | o           | o   | o |      | JOG      |  |  |    |
| P37    | o           | o   | o |      | 1        |  |  |    |
| P38    | o           | o   | o |      | 2        |  |  |    |
| P41    | o           | o   | o |      | 가        |  |  |    |
| P42    | o           | o   | o |      | 가        |  |  |    |
| P43    | o           | o   | o |      | JOG 가    |  |  |    |
| P44    | o           | o   | o |      | 가        |  |  |    |
| P45    | o           | o   | o |      | MPG 가    |  |  |    |
| P51    | o           | o   | o |      |          |  |  | 1) |
| P52    | o           | o   | o |      | 10V      |  |  |    |
| P53    | o           | o   | o |      | 1 Pulse  |  |  |    |
| P61    | o           | o   | o |      | PULSE    |  |  | 1) |
| P62    | o           | o   | o |      |          |  |  | 1) |
| P63    | o           | X   | o |      | GAIN     |  |  |    |
| P64    | o           | o   | o |      |          |  |  | 1) |
| P71    | o           | o   | o |      |          |  |  |    |
| P81.1  | X           | o   | o |      |          |  |  | 1) |
| .0     | X           | o   | o |      |          |  |  | 1) |
| P82    | X           | o   | o |      |          |  |  |    |
| P110   | o           | o   | o |      |          |  |  |    |
| P111   | o           | o   | o |      |          |  |  |    |
| P112.0 | o           | o   | o |      | Servo ON |  |  | 1) |
| .1     | o           | o   | o |      | Q0.6     |  |  | 1) |
| .2     | o           | o   | o |      |          |  |  | 1) |
| P113   | o           | o   | o |      | 가        |  |  |    |
| P114   | o           | o   | o |      | 5        |  |  |    |

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|      |           |
|------|-----------|
| P115 | " 0 "     |
| P115 | " 12345 " |

## 5.1.1

[ 5.1.1 ]

|        | 8<br>0<br>A | 80P |   | TYPE |   |  |  |  |
|--------|-------------|-----|---|------|---|--|--|--|
|        |             | B   | I |      |   |  |  |  |
| P800.0 | o           | o   | o |      |   |  |  |  |
| P800.1 |             |     |   |      |   |  |  |  |
| P800.2 |             |     |   |      |   |  |  |  |
| P800.3 |             |     |   |      |   |  |  |  |
| P800.4 |             |     |   |      |   |  |  |  |
| P800.5 |             |     |   |      |   |  |  |  |
| P800.6 |             |     |   |      |   |  |  |  |
| P800.7 |             |     |   |      |   |  |  |  |
| P801.0 | o           | o   | o |      | 가 |  |  |  |
| P801.1 | o           | o   | o |      |   |  |  |  |
| P801.2 |             |     |   |      |   |  |  |  |
| P801.3 |             |     |   |      |   |  |  |  |
| P801.4 |             |     |   |      |   |  |  |  |
| P801.5 |             |     |   |      |   |  |  |  |
| P801.6 |             |     |   |      |   |  |  |  |
| P801.7 |             |     |   |      |   |  |  |  |
| P802.0 |             |     |   |      |   |  |  |  |
| P802.1 |             |     |   |      |   |  |  |  |
| P802.2 |             |     |   |      |   |  |  |  |
| P802.3 |             |     |   |      |   |  |  |  |
| P802.4 |             |     |   |      |   |  |  |  |
| P802.5 |             |     |   |      |   |  |  |  |
| P802.6 |             |     |   |      |   |  |  |  |
| P802.7 |             |     |   |      |   |  |  |  |
| P803.0 |             |     |   |      |   |  |  |  |
| P803.1 |             |     |   |      |   |  |  |  |
| P803.2 |             |     |   |      |   |  |  |  |

|        | 8<br>0<br>A | 80P |   | TYPE |  |  |  |  |
|--------|-------------|-----|---|------|--|--|--|--|
|        |             | B   | I |      |  |  |  |  |
| P803.3 |             |     |   |      |  |  |  |  |
| P803.4 |             |     |   |      |  |  |  |  |
| P803.5 |             |     |   |      |  |  |  |  |
| P803.6 |             |     |   |      |  |  |  |  |
| P803.7 |             |     |   |      |  |  |  |  |
| P804.0 |             |     |   |      |  |  |  |  |
| P804.1 |             |     |   |      |  |  |  |  |
| P804.2 |             |     |   |      |  |  |  |  |
| P804.3 |             |     |   |      |  |  |  |  |
| P804.4 |             |     |   |      |  |  |  |  |
| P804.5 |             |     |   |      |  |  |  |  |
| P804.6 |             |     |   |      |  |  |  |  |
| P804.7 |             |     |   |      |  |  |  |  |
| P805.0 |             |     |   |      |  |  |  |  |
| P805.1 |             |     |   |      |  |  |  |  |
| P805.2 |             |     |   |      |  |  |  |  |
| P805.3 |             |     |   |      |  |  |  |  |
| P805.4 |             |     |   |      |  |  |  |  |
| P805.5 |             |     |   |      |  |  |  |  |
| P805.6 |             |     |   |      |  |  |  |  |
| P805.7 |             |     |   |      |  |  |  |  |
| P806.0 |             |     |   |      |  |  |  |  |
| P806.1 |             |     |   |      |  |  |  |  |
| P806.2 |             |     |   |      |  |  |  |  |
| P806.3 |             |     |   |      |  |  |  |  |
| P806.4 |             |     |   |      |  |  |  |  |
| P806.5 |             |     |   |      |  |  |  |  |
| P806.6 |             |     |   |      |  |  |  |  |
| P806.7 |             |     |   |      |  |  |  |  |

|        | 8<br>0<br>A | 80P |   | TYPE |  |  |  |  |
|--------|-------------|-----|---|------|--|--|--|--|
|        |             | B   | I |      |  |  |  |  |
| P807.0 |             |     |   |      |  |  |  |  |
| P807.1 |             |     |   |      |  |  |  |  |
| P807.2 |             |     |   |      |  |  |  |  |
| P807.3 |             |     |   |      |  |  |  |  |
| P807.4 |             |     |   |      |  |  |  |  |
| P807.5 |             |     |   |      |  |  |  |  |
| P807.6 |             |     |   |      |  |  |  |  |
| P807.7 |             |     |   |      |  |  |  |  |
| P808.0 |             |     |   |      |  |  |  |  |
| P808.1 |             |     |   |      |  |  |  |  |
| P808.2 |             |     |   |      |  |  |  |  |
| P808.3 |             |     |   |      |  |  |  |  |
| P808.4 |             |     |   |      |  |  |  |  |
| P808.5 |             |     |   |      |  |  |  |  |
| P808.6 |             |     |   |      |  |  |  |  |
| P808.7 |             |     |   |      |  |  |  |  |
| P809.0 |             |     |   |      |  |  |  |  |
| P809.1 |             |     |   |      |  |  |  |  |
| P809.2 |             |     |   |      |  |  |  |  |
| P809.3 |             |     |   |      |  |  |  |  |
| P809.4 |             |     |   |      |  |  |  |  |
| P809.5 |             |     |   |      |  |  |  |  |
| P809.6 |             |     |   |      |  |  |  |  |
| P809.7 |             |     |   |      |  |  |  |  |
| P810   |             |     |   |      |  |  |  |  |
| P811   |             |     |   |      |  |  |  |  |
| P812   |             |     |   |      |  |  |  |  |
| P813   |             |     |   |      |  |  |  |  |
| P814   |             |     |   |      |  |  |  |  |



|      | 8<br>0<br>A | 80P |   | TYPE |  |  |  |  |
|------|-------------|-----|---|------|--|--|--|--|
|      |             | B   | I |      |  |  |  |  |
| P815 |             |     |   |      |  |  |  |  |
| P816 |             |     |   |      |  |  |  |  |
| P817 |             |     |   |      |  |  |  |  |
| P818 |             |     |   |      |  |  |  |  |
| P819 |             |     |   |      |  |  |  |  |
| P820 |             |     |   |      |  |  |  |  |
| P821 |             |     |   |      |  |  |  |  |
| P822 |             |     |   |      |  |  |  |  |
| P823 |             |     |   |      |  |  |  |  |
| P824 |             |     |   |      |  |  |  |  |
| P825 |             |     |   |      |  |  |  |  |
| P826 |             |     |   |      |  |  |  |  |
| P827 |             |     |   |      |  |  |  |  |
| P828 |             |     |   |      |  |  |  |  |
| P829 |             |     |   |      |  |  |  |  |
| P830 |             |     |   |      |  |  |  |  |
| P831 |             |     |   |      |  |  |  |  |
| P832 |             |     |   |      |  |  |  |  |
| P833 |             |     |   |      |  |  |  |  |
| P834 |             |     |   |      |  |  |  |  |
| P835 |             |     |   |      |  |  |  |  |
| P836 |             |     |   |      |  |  |  |  |
| P837 |             |     |   |      |  |  |  |  |
| P838 |             |     |   |      |  |  |  |  |
| P839 |             |     |   |      |  |  |  |  |
| P840 |             |     |   |      |  |  |  |  |
| P841 |             |     |   |      |  |  |  |  |
| P842 |             |     |   |      |  |  |  |  |
| P843 |             |     |   |      |  |  |  |  |

[illegible]

\* 1) UNIT

**RESET**

\* 2) 80A : MCS80A  
80P(B) : MCS80P  
80P(I) : MCS80P

|      |           |
|------|-----------|
| P115 | “ 0 ”     |
| P115 | “ 12345 ” |

## 5.2

| P01 |     | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-----|-----|-----|---|--------|---|--------|---|
|     | 1~8 |     |   |        |   |        |   |
|     | 가 8 |     |   |        |   |        |   |

| P02 |  | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|---|--------|---|--------|---|
|     | X,Y,Z,U,V,W,A,B,C  |     |   |        |   |        |   |
|     | X: X<br>Y: Y<br>Z: Z<br>U: U<br>V: V<br>W: W<br>A: A<br>B: B<br>C: C |     |   |        |   |        |   |

| P03 |   | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-----|---|-----|---|--------|---|--------|---|
|     | 1 ~ 87  |     |   |        |   |        |   |
|     | 1: 1<br>2: 2<br>3: 3<br>4: 4<br>5: 5<br>6: 6<br>7: 7<br>8: 8<br><br>2 Slave<br>'13' Master 1, Slave 3<br>'24' Master 2, Slave 4 |     |   |        |   |        |   |

| P04 |                                       | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-----|---------------------------------------|-----|---|--------|---|--------|---|
|     | , X, Y, Z                             |     |   |        |   |        |   |
|     | X, Y, Z (G02/03) X, Y, Z<br>G17/18/19 |     |   |        |   |        |   |

| P11 |                        | 80A | 0  | 80P(B) | 0 | 80P(I) | 0 |
|-----|------------------------|-----|----|--------|---|--------|---|
|     | -99,999,999~99,999,999 |     | μm |        |   |        |   |
|     |                        |     |    |        |   |        |   |

| P12 | STORED STROKE LIMIT(+)   | 80A | 0  | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|----|--------|---|--------|---|
|     | -99,999,999~99,999,999   |     | μm |        |   |        |   |
|     | STORED STROKE LIMIT +<br>) 1. 99999999<br>2. “P21.1”가 ‘Enable’ , _____ |     |    |        |   |        |   |

| P13 | STORED STROKE LIMIT(-)   | 80A | 0  | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|----|--------|---|--------|---|
|     | -99,999,999~99,999,999   |     | μm |        |   |        |   |
|     | STORED STROKE LIMIT -<br>) 1. 99999999<br>2. “P21.1”가 ‘Enable’ , _____ |     |    |        |   |        |   |

| P14 |                           | 80A | 0  | 80P(B) | 0 | 80P(I) | 0 |
|-----|---------------------------|-----|----|--------|---|--------|---|
|     | 0~99,999,999              |     | μm |        |   |        |   |
|     | 가<br>가 ‘0’<br>‘5,000,000’ |     |    |        |   |        |   |

| P21.4 | - Limit Switch B/A   | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|--|-----|---|--------|---|--------|---|
|       | B , A ,  |     |   |        |   |        |   |
|       | B : Normal Close<br>A : Normal Open<br>:<br>: P24 [ Limit Choice ] |     |   |        |   |        |   |

| P21.3 | + Limit Switch B/A   | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|--|-----|---|--------|---|--------|---|
|       | B , A ,  |     |   |        |   |        |   |
|       | B : Normal Close<br>A : Normal Open<br>:<br>: P24 [ Limit Choice ] |     |   |        |   |        |   |

| P21.2 | Switch B/A  | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|---|-----|---|--------|---|--------|---|
|       | B , A   |     |   |        |   |        |   |
|       | B : Normal Close<br>A : Normal Open<br>: P25 [ Dog Choice ] |     |   |        |   |        |   |

| P21.1 |                       | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|-----------------------|-----|---|--------|---|--------|---|
|       | Disable, Enable       |     |   |        |   |        |   |
|       | Disable :<br>Enable : |     |   |        |   |        |   |

| P21.0 | +/-               | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|-------------------|-----|---|--------|---|--------|---|
|       | Plus, Minus       |     |   |        |   |        |   |
|       | Plus :<br>Minus : |     |   |        |   |        |   |

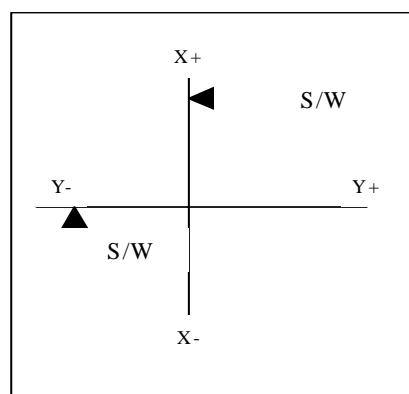
\*

가

) ( ZRN SENSOR) 가

X = 1

Y = 0



\* 가 P21.1 가 ' 0' 가

| P22.1 | G90/G91 Modal                              | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|--|-----|---|--------|---|--------|---|
|       | G90, G91                                   |     |   |        |   |        |   |
|       | G90: G90 MODE( )<br>G91: G91 MODE( )<br>-> |     |   |        |   |        |   |

| P22.0 | G01/G00 Modal                              | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|--|-----|---|--------|---|--------|---|
|       | G01, G00                                   |     |   |        |   |        |   |
|       | G01: G01 MODE( )<br>G00: G00 MODE( )<br>-> |     |   |        |   |        |   |

| P23.2 | ROV ENB(Rapid Override Enb)   | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|---|-----|---|--------|---|--------|---|
|       | Disable, Enable   |     |   |        |   |        |   |
|       | - G00 , Rapid-Jog... Override (Q1.E ON )<br>Disable: Rapid Feed Override<br>Enable : Rapid Feed Override<br>Q1.D(R02), Q1.C(R01) / Q1.E(RT) , P35 |     |   |        |   |        |   |

| P23.1 | OV ENB(Feed Override Enb)  | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|--|-----|---|--------|---|--------|---|
|       | Disable, Enable  |     |   |        |   |        |   |
|       | - (G01, G02, G03...) Override<br>Disable: Feed Override .( )<br>Enable : Feed Override .( )<br>Q1.8 ~ Q1.F(OV1.OV2, OV4, OV8 ) |     |   |        |   |        |   |

| P23.0 | OP CH  | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|--|-----|---|--------|---|--------|---|
|       | Disable, Enable  |     |   |        |   |        |   |
|       | - Operation Panel<br>Disable: PLC<br>Enable : PC<br>Q0.F(OPC ) |     |   |        |   |        |   |

| P24 | Limit Choice   | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|---|--------|---|--------|---|
|     | PLC, DI0~DI7   |     |   |        |   |        |   |
|     | PLC: +/- Limit Switch PLC . ( Q05.0 ~ Q05.F )<br>PLC<br>DI0: +/- Limit Switch DI0 . (AXIS I/O #1 LMT+(1),LMT-(1)) 1, 2 Pin<br>DI1: +/- Limit Switch DI1 . (AXIS I/O #1 LMT+(2),LMT-(2)) 12,12 Pin<br>DI2: +/- Limit Switch DI2 . (AXIS I/O #1 LMT+(3),LMT-(3)) 4, 5 Pin<br>DI3: +/- Limit Switch DI3 . (AXIS I/O #1 LMT+(4),LMT-(4)) 14,15 Pin<br>DI4: +/- Limit Switch DI4 . (AXIS I/O #2 LMT+(5),LMT-(5)) 1, 2 Pin<br>DI5: +/- Limit Switch DI5 . (AXIS I/O #2 LMT+(6),LMT-(6)) 12,12 Pin<br>DI6: +/- Limit Switch DI6 . (AXIS I/O #2 LMT+(7),LMT-(7)) 4, 5 Pin<br>DI7: +/- Limit Switch DI7 . (AXIS I/O #2 LMT+(8),LMT-(8)) 14,15 Pin |     |   |        |   |        |   |

| P25 | Dog Choice   | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|---|--------|---|--------|---|
|     | PLC, DI0~DI7   |     |   |        |   |        |   |
|     | PLC: Switch PLC . ( Q04.0 ~ Q04.7 )<br>PLC<br>DI0: Switch DI0 . (AXIS I/O #1 ORG(1)) 3 Pin<br>DI1: Switch DI1 . (AXIS I/O #1 ORG(2)) 13 Pin<br>DI2: Switch DI2 . (AXIS I/O #1 ORG(3)) 6 Pin<br>DI3: Switch DI3 . (AXIS I/O #1 ORG(4)) 16 Pin<br>DI4: Switch DI4 . (AXIS I/O #2 ORG(5)) 3 Pin<br>DI5: Switch DI5 . (AXIS I/O #2 ORG(6)) 13 Pin<br>DI6: Switch DI6 . (AXIS I/O #2 ORG(7)) 6 Pin<br>DI7: Switch DI7 . (AXIS I/O #2 ORG(8)) 13 Pin |     |   |        |   |        |   |

| P26.2 | Servo Alarm Check  | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|--|-----|---|--------|---|--------|---|
|       | Disable, Enable  |     |   |        |   |        |   |
|       | Disable: AXIS Port(1/2,3/4,5/6,7/8) SVALM(Servo Alarm)<br>Enable : AXIS Port(1/2,3/4,5/6,7/8) SVALM(Servo Alarm) Check |     |   |        |   |        |   |

| P26.1 | Servo Ready Check   | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|---|-----|---|--------|---|--------|---|
|       | Disable, Enable   |     |   |        |   |        |   |
|       | Disable: AXIS Port(1/2,3/4,5/6,7/8) SVRDY(Servo Ready)<br>Enable : AXIS Port(1/2,3/4,5/6,7/8) SVRDY(Servo Ready) Check<br>P27 |     |   |        |   |        |   |

| P26.0 | Brake  | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-------|--|-----|---|--------|---|--------|---|
|       | Disable, Enable  |     |   |        |   |        |   |
|       | Disable: AXIS I/O 1,2 BRAKE (8,18,9,19Pin)<br>Enable : AXIS I/O 1,2 BRAKE (8,18,9,19Pin) |     |   |        |   |        |   |

| P27 | Servo Ready Check  | 80A | 0    | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|------|--------|---|--------|---|
|     | 0 ~ 50,000   |     | msec |        |   |        |   |
|     | “P26.1 Servo Ready Check ”가 ‘Enable’<br>Servo Ready Check<br>“SERVO NOT READY” 가 |     |      |        |   |        |   |

| P31 | DRYRUN                | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|-----|-----------------------|-----|--------|--------|---|--------|---|
|     | 0 ~ 240,000           |     | mm/min |        |   |        |   |
|     | DRY RUN<br>Q1.0(DRN ) |     |        |        |   |        |   |

| P32 |  | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|--------|--------|---|--------|---|
|     | 0 ~ 240,000  |     | mm/min |        |   |        |   |
|     | OVERRIDE(G00)가 100%<br>) Ballscrew 5.0 mm 3000Rpm 1:2<br>5.0*3000/2=7,500 mm/Min |     |        |        |   |        |   |

| P33 |  | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|--------|--------|---|--------|---|
|     | 0 ~ 240,000  |     | mm/min |        |   |        |   |
|     | (G01,G02,G03...)<br>1. ‘ F ’ 가<br>2. ‘1’ 가           (P32) |     |        |        |   |        |   |

| P34 |                                    | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|-----|------------------------------------|-----|--------|--------|---|--------|---|
|     | 0 ~ 240,000                        |     | mm/min |        |   |        |   |
|     | F (G01,G02,G03...)가<br>가<br>F CODE |     |        |        |   |        |   |

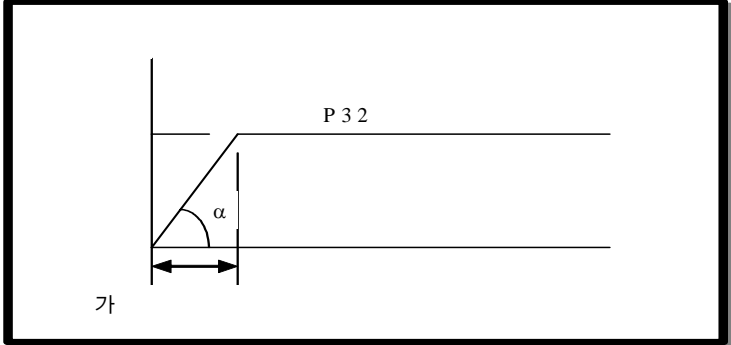


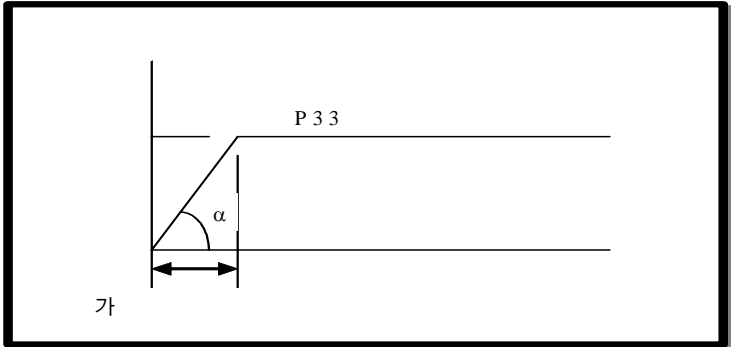
|     |   |     |        |        |   |        |   |
|-----|---|-----|--------|--------|---|--------|---|
| P35 | JOG   | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|     | 0 ~ 240,000   |     | mm/min |        |   |        |   |
|     | JOG MODE RAPID SWITCH( Q1.E)가 ON JOG<br>Q1.D(R02), Q1.C(R01) / Q1.E(RT) , P23.2 |     |        |        |   |        |   |

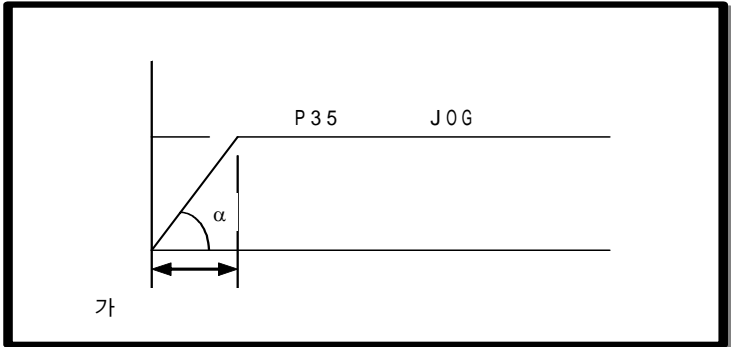
|     |             |     |        |        |   |        |   |
|-----|-------------|-----|--------|--------|---|--------|---|
| P36 | JOG         | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|     | 0 ~ 240,000 |     | mm/min |        |   |        |   |
|     | JOG         |     |        |        |   |        |   |

|     |              |     |        |        |   |        |   |
|-----|--------------|-----|--------|--------|---|--------|---|
| P37 | 1            | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|     | 0 ~ 240,000  |     | mm/min |        |   |        |   |
|     | P111 DOG DOG |     |        |        |   |        |   |

|     |               |     |        |        |   |        |   |
|-----|---------------|-----|--------|--------|---|--------|---|
| P38 | 2             | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|     | 0 ~ 240,000   |     | mm/min |        |   |        |   |
|     | ( ) DOG DOG C |     |        |        |   |        |   |
|     | ( ) DOG DOG   |     |        |        |   |        |   |
|     | P111          |     |        |        |   |        |   |

|     |   |     |      |        |   |        |   |
|-----|---|-----|------|--------|---|--------|---|
| P41 | 가   | 80A | 0    | 80P(B) | 0 | 80P(I) | 0 |
|     | 0 ~ 50,000  |     | msec |        |   |        |   |
|     | (G00) 가<br><br>-> " P32 " |     |      |        |   |        |   |

| P42 | 가  | 80A | 0    | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|------|--------|---|--------|---|
|     | 0 ~ 50,000   |     | msec |        |   |        |   |
|     |  <p>(G01, G02, G03...) "가" ..<br/>-&gt; "P033"</p> |     |      |        |   |        |   |

| P43 | JOG 가  | 80A | 0    | 80P(B) | 0 | 80P(I) | 0 |
|-----|--|-----|------|--------|---|--------|---|
|     | 0 ~ 50,000   |     | msec |        |   |        |   |
|     | <p>JOG (JOG, Rapid_Jog ) 가 .<br/>-&gt; "P35 JOG "</p>  |     |      |        |   |        |   |

| P44 | 가          | 80A | 0    | 80P(B) | 0 | 80P(I) | 0 |
|-----|------------|-----|------|--------|---|--------|---|
|     | 0 ~ 50,000 |     | msec |        |   |        |   |
|     | 가 .        |     |      |        |   |        |   |

| P045 | MPG 가    | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|------|----------|-----|---|--------|---|--------|---|
|      | 0 ~ 1000 |     |   |        |   |        |   |
|      | MPG 가 .  |     |   |        |   |        |   |

|      |  |     |   |        |   |        |   |
|------|--|-----|---|--------|---|--------|---|
| P051 |  | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|      | 0 ~ 18   |     |   |        |   |        |   |
|      | 0: .<br>1: 1<br>2: 2<br>3: 3<br>4: 4<br>5: 5<br>6: 6<br>7: 7<br>8: 8 .<br>+10 (11~18) SERVO ON 가 . |     |   |        |   |        |   |

|      |              |     |     |        |   |        |   |
|------|--------------|-----|-----|--------|---|--------|---|
| P052 | 10V          | 80A | 0   | 80P(B) | 0 | 80P(I) | 0 |
|      | 1~10,000,000 |     | RPM |        |   |        |   |
|      | S            |     |     |        |   |        |   |

|      |              |     |       |        |   |        |   |
|------|--------------|-----|-------|--------|---|--------|---|
| P053 | 1 Pulse      | 80A | 0     | 80P(B) | 0 | 80P(I) | 0 |
|      | 1~10,000,000 |     | RPM   |        |   |        |   |
|      | S            | 1   | PULSE |        |   |        |   |

|     |   |     |           |        |   |        |   |
|-----|---|-----|-----------|--------|---|--------|---|
| P61 | PULSE   | 80A | 0         | 80P(B) | 0 | 80P(I) | 0 |
|     | 1 ~ 10,000,000  |     | pulse/rev |        |   |        |   |
|     | * 80A( ) MOTOR 1 PULSE<br>.<br>1. Encoder Pulse가 10000 가 2:1 20000 .<br>2. Encoder Pulse가 10000 가( ) 가 1:2 5000 .<br>* 80P( ) MOTOR 1 . |     |           |        |   |        |   |

|     |                |     |        |        |   |        |   |
|-----|----------------|-----|--------|--------|---|--------|---|
| P62 |                | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|     | 1 ~ 10,000,000 |     | μm/rev |        |   |        |   |
|     | MOTOR 1        |     |        |        |   |        |   |

| P63 | GAIN   |  | 80A      | 0 | 80P(B) | X | 80P(I) | 0 |
|-----|--|--|----------|---|--------|---|--------|---|
|     | 1~1000   |  | 0.01/sec |   |        |   |        |   |
|     | Posotion LOOP GAIN<br>Position Error<br><br>Position Error 가<br>Over-Shoot |  |          |   |        |   |        |   |

| P64 |   |  | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-----|---|--|-----|---|--------|---|--------|---|
|     | CW,CCW                                  |  |     |   |        |   |        |   |
|     | CW : + Shaft CW .<br>CCW: + Shaft CCW . |  |     |   |        |   |        |   |

| P71 |               |  | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|-----|---------------|--|-----|---|--------|---|--------|---|
|     | 0 ~ 1,000,000 |  | μm  |   |        |   |        |   |
|     | 1000000       |  |     |   |        |   |        |   |

| P81.1 |                   |                 |       | 80A     | X | 80P(B) | 0 | 80P(I) | 0 |
|-------|-------------------|-----------------|-------|---------|---|--------|---|--------|---|
|       | 250Kpps / 2.5Mpps |                 |       | pps     |   |        |   |        |   |
|       | (80P)             |                 |       |         |   |        |   |        |   |
|       | 250Kpps:          | 250Kpps         | 가     | .       |   |        |   |        |   |
|       | 2.5Mpps:          | 2.5Mpps         | 가     | .       |   |        |   |        |   |
|       | 250Kpps           | 1pps ~ 250Kpps  | 1 pps | .       |   |        |   |        |   |
|       | 2.5Mpps           | 10pps ~ 2.5Mpps | 10pps | .       |   |        |   |        |   |
|       | ) 1.              | 가               |       | 가       |   |        |   |        |   |
|       | 2.                | 가               |       | 250Kpps | . |        |   |        |   |

|       |   |     |   |        |   |        |   |
|-------|---|-----|---|--------|---|--------|---|
| P81.0 |   | 80A | X | 80P(B) | 0 | 80P(I) | 0 |
|       | DIR/Pulse, CW/CCW                                       |     |   |        |   |        |   |
|       | DIR / Pulse : (DIR) Pulse<br>CW / CCW : (CW/CCW-> +/- ) |     |   |        |   |        |   |

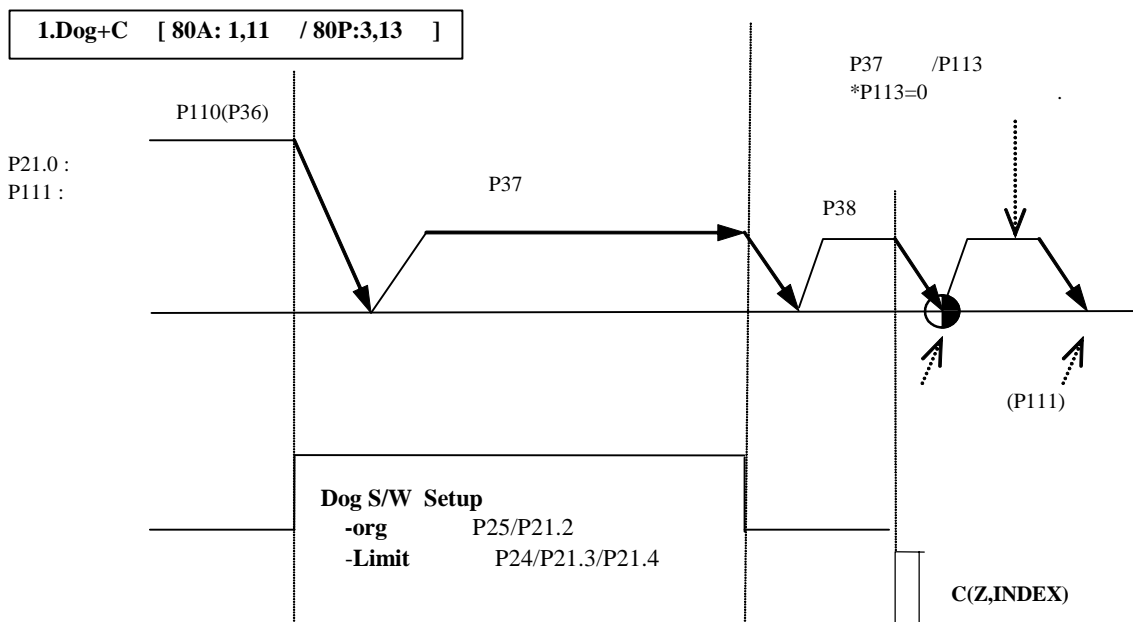
|     |  |     |           |        |   |        |   |
|-----|--|-----|-----------|--------|---|--------|---|
| P82 |  | 80A | X         | 80P(B) | 0 | 80P(I) | 0 |
|     | 1 ~ 100,000                              |     | pulse/rev |        |   |        |   |
|     | MOTOR 1 Feed Back Pulse<br>"P71" 1000000 |     |           |        |   |        |   |

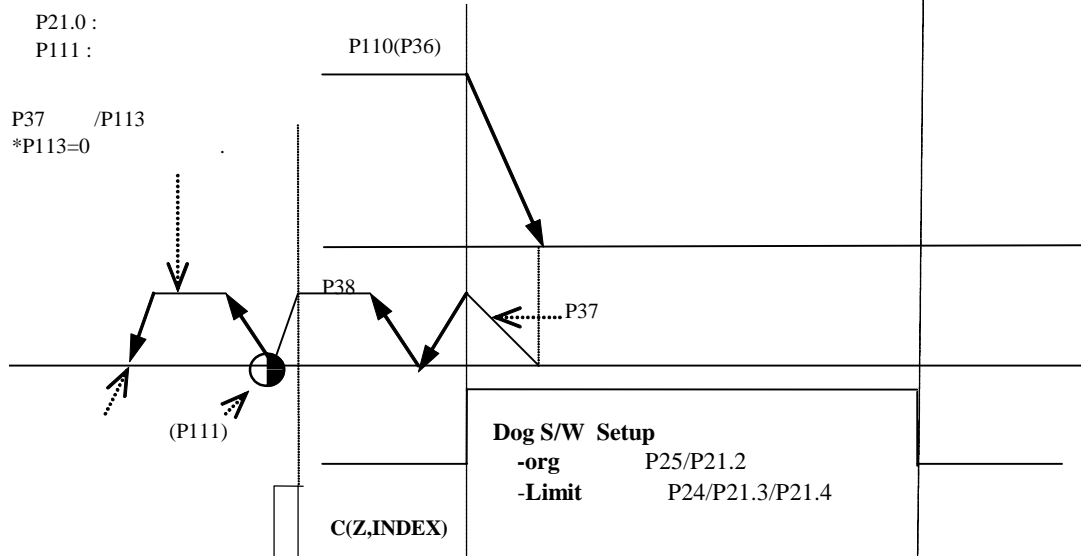
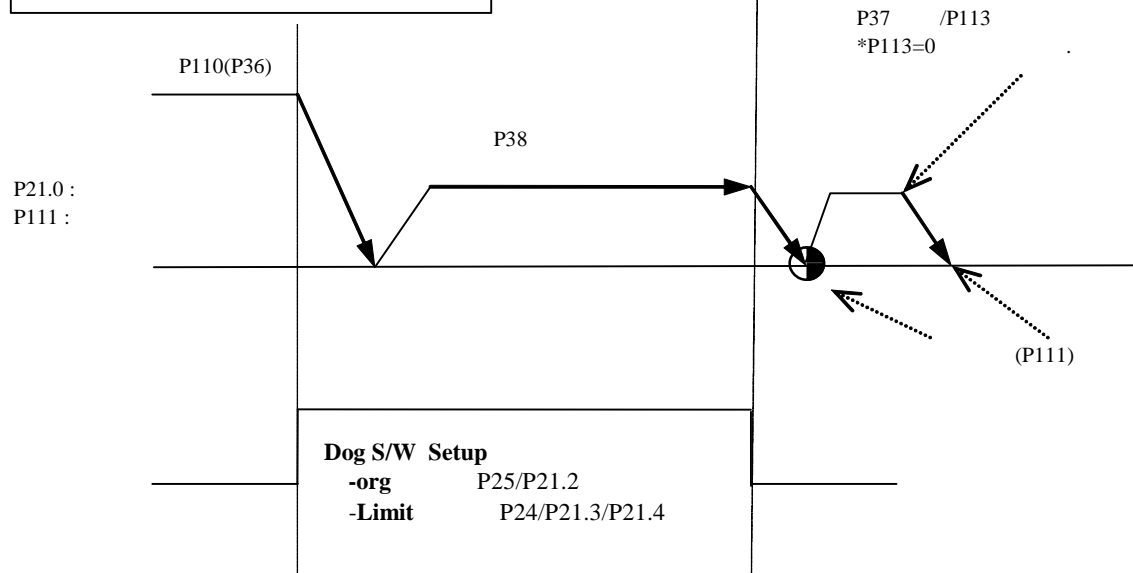
|      |                      |     |        |        |   |        |   |
|------|----------------------|-----|--------|--------|---|--------|---|
| P110 |                      | 80A | 0      | 80P(B) | 0 | 80P(I) | 0 |
|      | 0 ~ 240,000          |     | mm/min |        |   |        |   |
|      | DOG<br>'0' "P36 JOG" |     |        |        |   |        |   |

| P111 |            | 80A         | 0 | 80P(B)       | 0     | 80P(I) | 0 |
|------|------------|-------------|---|--------------|-------|--------|---|
|      | 1~4, 11~14 |             |   |              |       |        |   |
|      | 1:         |             |   |              |       |        |   |
|      | 1. (80P) : | Switch      |   |              |       | Switch |   |
|      | 2. (80A) : | Switch      |   |              |       | Switch |   |
|      |            | , Encoder C |   |              |       |        |   |
|      | 11:        | Switch      |   | Limit Switch | Check |        |   |
|      | 2:         |             |   |              |       |        |   |
|      | 1. (80P) : | Switch      |   |              |       | Switch |   |
|      | 2. (80A) : | Switch      |   |              |       | Switch |   |
|      |            | , Encoder C |   |              |       |        |   |
|      | 12:        | Switch      |   | Limit Switch | Check |        |   |
|      | 3:         |             |   |              |       |        |   |
|      | 1. (80P) : | Switch      |   |              |       | Switch |   |
|      | 2. (80A) : |             |   |              |       |        |   |
|      |            | , Encoder C |   |              |       |        |   |
|      | 13:        | Switch      |   | Limit Switch | Check |        |   |
|      | 4:         |             |   |              |       |        |   |
|      | 1. (80P) : | Switch      |   |              |       | Switch |   |
|      | 2. (80A) : |             |   |              |       |        |   |
|      |            | , Encoder C |   |              |       |        |   |
|      | 14:        | Switch      |   | Limit Switch | Check |        |   |

) **P21.1 Enable** .

)

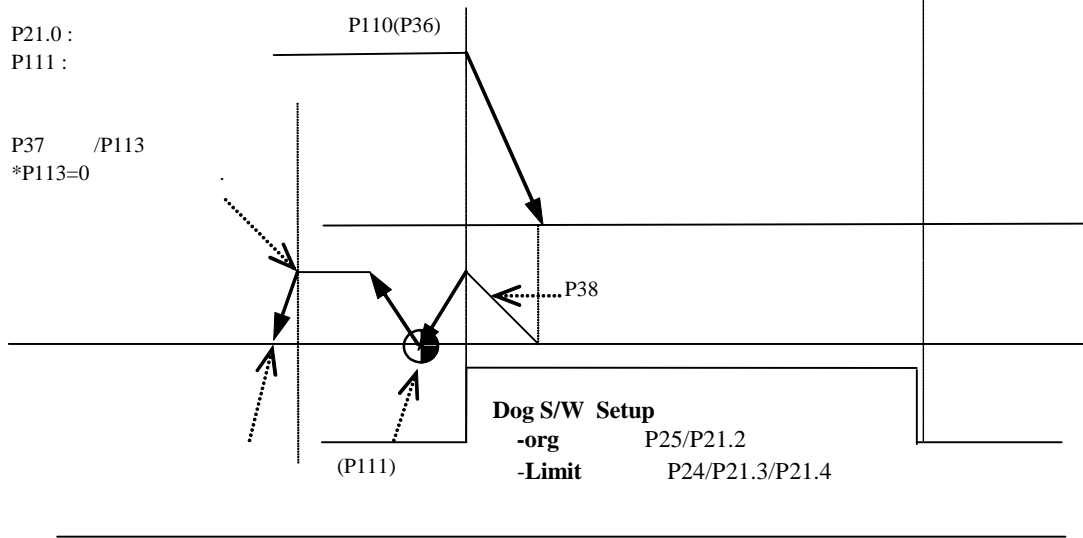


**2.Dog+C [ 80A: 2,12 / 80P:4,14 ]**

**3.Dog [ 80P:1,11 ]**


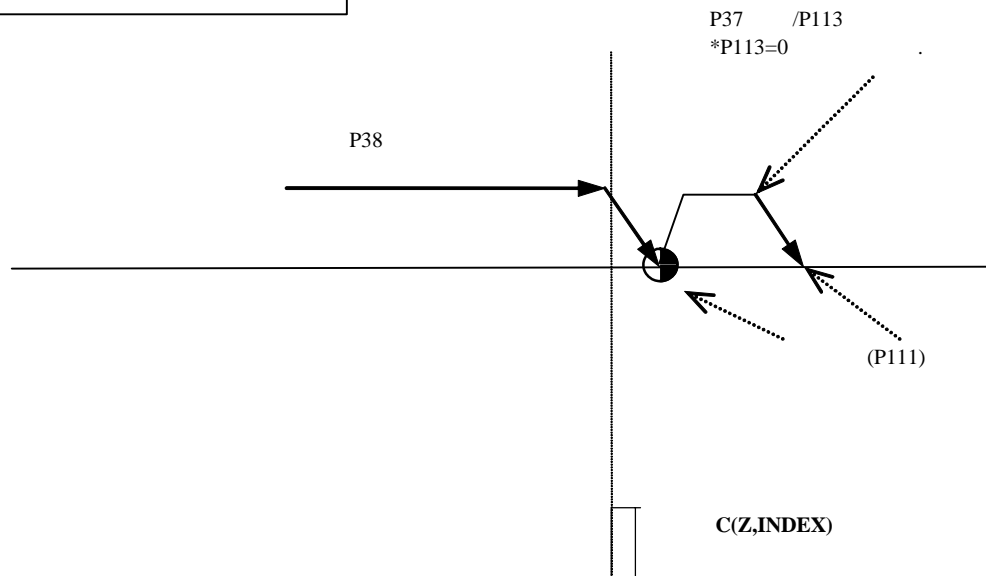
**4.Dog** [ 80P:2,12 ]

P21.0 :  
P111 :

P37 /P113  
\*P113=0


**5. C** [ 80A/P: 5 ]

P21.0 :  
P111 :





|        |  |     |   |        |   |        |   |
|--------|--|-----|---|--------|---|--------|---|
| P112.0 | Servo ON   | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|        |  |     |   |        |   |        |   |
|        | Disable: AXIS Port(1/2,3/4,5/6,7/8) SVON<br>Enable : AXIS Port(1/2,3/4,5/6,7/8) SVON |     |   |        |   |        |   |

|        |                      |     |   |        |   |        |   |
|--------|----------------------|-----|---|--------|---|--------|---|
| P112.1 | Q0.6                 | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|        |                      |     |   |        |   |        |   |
|        | Disable:<br>Enable : |     |   |        |   |        |   |

|        |                |     |   |        |   |        |   |
|--------|----------------|-----|---|--------|---|--------|---|
| P112.2 |                | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|        | 1 ~ 10,000,000 |     | m |        |   |        |   |
|        | 가 '4' 가<br>OFF |     |   |        |   |        |   |

|      |                          |     |    |        |   |        |   |
|------|--------------------------|-----|----|--------|---|--------|---|
| P113 | 가                        | 80A | 0  | 80P(B) | 0 | 80P(I) | 0 |
|      | -99,999,999 ~ 99,999,999 |     | μm |        |   |        |   |
|      | “P38 2”                  |     |    |        |   |        |   |

|      |   |     |   |        |   |        |   |
|------|---|-----|---|--------|---|--------|---|
| P114 | 5   | 80A | 0 | 80P(B) | 0 | 80P(I) | 0 |
|      |   |     |   |        |   |        |   |
|      | 2 nd: G14 ~ G16, G24~ G26<br>1 ~ 24: Y0.0 ~ Y1.7<br>3 rd: G14 ~ G16, G24~ G26 2<br>1 ~ 24: Y0.0 ~ Y1.7<br>4 th: G41,G42 1<br>0: 360000<br>1: 36000<br>2: 3600<br>3: 360 |     |   |        |   |        |   |

| P115 | In-position   | 80A | X   | 80P(B) | X | 80P(I) | 0 |
|------|---|-----|-----|--------|---|--------|---|
|      | 0 ~ 99,999,999  |     | (4) |        |   |        |   |
|      | 80P Closed Loop In-Position<br>'0' 80P Closed Loop ,<br>Closed Loop<br>P115 " 12345 " |     |     |        |   |        |   |

| P116 | Feedback  | 80A | X    | 80P(B) | X | 80P(I) | 0 |
|------|---|-----|------|--------|---|--------|---|
|      | 0 ~ 99,999,999  |     | Msec |        |   |        |   |
|      | 80P Closed Loop<br>"P115 In-position " Closed Loop<br>'0' Closed Loop<br>P115 " 12345 " |     |      |        |   |        |   |

| P117 | Gain                                    | 80A | X      | 80P(B) | X | 80P(I) | 0 |
|------|---|-----|--------|--------|---|--------|---|
|      | 0 ~ 99,999,999                          |     | 0.01 % |        |   |        |   |
|      | 80P Closed Loop IGAIN<br>P115 " 12345 " |     |        |        |   |        |   |

| P118 |   | 80A | X | 80P(B) | X | 80P(I) | 0 |
|------|---|-----|---|--------|---|--------|---|
|      | 0 ~ 99,999,999  |     |   |        |   |        |   |
|      | 80P CLOSED LOOP MAX IGAIN<br>"P117 Gain" IGAIN CLAMP<br>가 '1' CLOSED LOOP 가<br>P115 " 12345 " |     |   |        |   |        |   |

| P119 | Sampling Time                                   | 80A | X    | 80P(B) | X | 80P(I) | 0 |
|------|---|-----|------|--------|---|--------|---|
|      | 1~100   |     | msec |        |   |        |   |
|      | 80P CLOSED LOOP Sampling Time<br>P115 " 12345 " |     |      |        |   |        |   |

## 5.3

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P800.0 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P800.1 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P800.2 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P800.3 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P800.4 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P800.5 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P800.6 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

|        |  |  |     |  |        |  |        |  |
|--------|--|--|-----|--|--------|--|--------|--|
| P800.7 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |  |     |  |        |  |        |  |
|        |  |  |     |  |        |  |        |  |

|        |  |  |     |  |        |  |        |  |
|--------|--|--|-----|--|--------|--|--------|--|
| P801.0 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |  |     |  |        |  |        |  |
|        |  |  |     |  |        |  |        |  |

|        |  |  |     |  |        |  |        |  |
|--------|--|--|-----|--|--------|--|--------|--|
| P801.1 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |  |     |  |        |  |        |  |
|        |  |  |     |  |        |  |        |  |

|        |  |  |     |  |        |  |        |  |
|--------|--|--|-----|--|--------|--|--------|--|
| P801.2 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |  |     |  |        |  |        |  |
|        |  |  |     |  |        |  |        |  |

|        |  |  |     |  |        |  |        |  |
|--------|--|--|-----|--|--------|--|--------|--|
| P801.3 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |  |     |  |        |  |        |  |
|        |  |  |     |  |        |  |        |  |

|        |  |  |     |  |        |  |        |  |
|--------|--|--|-----|--|--------|--|--------|--|
| P801.4 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |  |     |  |        |  |        |  |
|        |  |  |     |  |        |  |        |  |

|        |  |  |     |  |        |  |        |  |
|--------|--|--|-----|--|--------|--|--------|--|
| P801.5 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |  |     |  |        |  |        |  |
|        |  |  |     |  |        |  |        |  |

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P801.6 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P801.7 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

|        |  |     |  |        |  |        |  |
|--------|--|-----|--|--------|--|--------|--|
| P802.0 |  | 80A |  | 80P(B) |  | 80P(I) |  |
|        |  |     |  |        |  |        |  |
|        |  |     |  |        |  |        |  |

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| P802.1 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P802.2 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P802.3 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P802.4 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P802.5 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P802.6 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P802.7 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P803.0 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P803.1 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P803.2 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P803.3 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P803.4 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P803.5 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P803.6 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P803.7 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P804.0 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P804.1 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P804.2 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P804.3 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P804.4 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P804.5 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P804.6 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P804.7 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P805.0 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P805.1 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P805.2 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P805.3 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P805.4 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P805.5 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P805.6 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P805.7 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P806.0 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P807.1 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P807.2 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P807.3 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P807.4 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P807.5 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P807.6 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P807.7 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P808.0 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P809.1 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P809.2 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P809.3 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P809.4 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P809.5 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P809.6 |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| <b>P809.7</b> |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| <b>P810</b> |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| <b>P811</b> |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| <b>P812</b> |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| <b>P813</b> |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| <b>P814</b> |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| <b>P815</b> |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P816 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P817 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P818 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P800 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P819 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P820 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P821 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P822 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P823 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P800 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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| P824 |  |  | 80A |  | 80P(B) |  | 80P(I) |  |
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