

X01 (Set Value)	
값 설정 (값변경)	
-1999~+9999	
0000	
F1	Next Item 다음메뉴+
ESC	취소(이전)
F2	Next Digit 다음자리
F3	Inc. Value 숫자 올림
F4	SET end 설정완료

X02 (D.P.)	
소숫점설정	
0 ~ 5	
0	0
1	0.0
2	0.00
3	0.000

X05 (Exit)	
메인 복귀	
F1	F4
Press&hold>3sec.	
3초이상 누름	
DISPLAY (표시)	
F10	
SAVE & RUN (MAIN)	
저장 및 복귀	

[TABLE] (301)입력유형 및 기능 설정 OPTION by order

→
07-1
(301)
입력A 설정

Instrument CODE (Input-A)			
Input	Type	CODE	Input Range
Unspecified	OFF	0	None
DC current	20 mA	1	0(4)~20mA
Loop Powered	20 mA	2	4 ~ 20 mA
DC voltage	10V	3	-10(0)~10V
	5 V	4	-5(0)~5 V
	1 V	5	-1(0)~1 V
	100 mV	6	-100(0)~100 mV
Thermocouple	E	101	-200~1000°C
	J	102	-200~1200°C
	K	103	-200~1300°C
	N	104	-200~1300°C
	R	105	-50~1750°C
	T	106	-200~400°C
	S	107	-50~1750°C
	B	108	250~1800°C
RTD(2-Wire)	Pt100	201	-200~800°C
RTD(3-Wire)		202	-200~800°C
RTD(4-Wire)		203	-200~800°C
Potentiometer	3-Wire	300	(auto-select) ~200 KΩ
		301	~100 KΩ
		302	~50 KΩ
		303	~20 KΩ
		304	~10 KΩ
		305	~5 KΩ
		306	~2 KΩ
		307	~1 KΩ
	2-Wire	350	~200 KΩ
		351	~100 KΩ
		352	~50 KΩ
		353	~20 KΩ
		354	~10 KΩ
		355	~5 KΩ
		356	~2 KΩ
357	~1 KΩ		

→
Funct
(301)
기능 설정

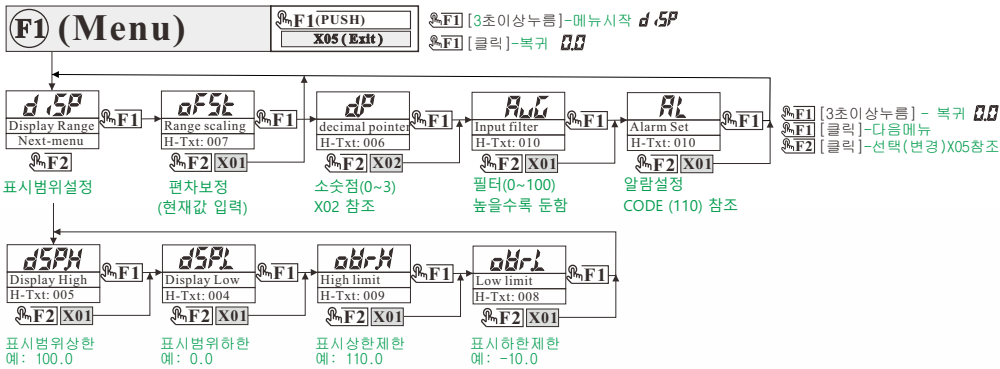
Instrument CODE (Function)			
FUNCTIONS description	CODE	INPUT	
Normal Input-A	0	Input-A	
Square-root	1		
Root-Extractor	2		
Integrator	3		
Peak-Holder(Higher)	4		
Peak-Holder(Lower)	5		
Peak-Holder(High&Low)	6		
Adder	7		Input(A + B)
Subtractor	8		Input(A - B)
Multiplier	9		Input(A * B)
Divider	10	Input(A / B)	
Normal Input-B	101	Input-B	
Square-root	102		
Root-Extractor	103		
Integrator	104		
Peak-Holder(Higher)	105		
Peak-Holder(Lower)	106		
Peak-Holder(High&Low)	107		
Subtractor	108	Input(B - A)	
Divider	109	Input(B / A)	
Normal input-A and B	201	Input-A to Output-1 Input-B to Output-2	

104 SCON5500 Only

→
07-2
(301)
입력B 설정

Instrument CODE (Input-B)			
Input	Type	CODE	Input Range
Unspecified	OFF	0	None
DC current	20 mA	1	0(4)~20mA
Loop Powered	20 mA	2	4~20 mA
DC voltage	10V	3	-10(0)~10V
	5 V	4	-5(0)~5 V
	1 V	5	-1(0)~1 V
	100 mV	6	-100(0)~100 mV

** 입력 타입 및 기능은 주문 사양 으로 설정 되어 출고 됩니다
[The input type and function are set according to the order specification]



Setting Mode (설정 모드)

PUSH **F1 + F4**

- 1 Press, hold (F1 + F4) > 3 seconds (F1 + F4) 동시3초이상
- 2 Enter CODE number(0302) 코드 번호 입력(X01참조)
- 3 **F4** 클릭 - CODE 번호실행

CODE Number H-Txt: 001

Alarm is SCON200 Only

Executable CODE (Setup setting)		
CODE	Description	
		-실행할 CODE 번호
		-(000) 취소 (cancel)
301	Input Mode (INPUT-A, INPUT-B and Function)	-(301)입력유형 및 기능 설정
302	Input Range (Input-A and Input-B)	-(302)입력-A, 입력-B 범위 설정
310	Set input range of display	-(310) 입력 범위 설정 (예:4.00-20.00)
321	Display temperature (unit, scale and burn-out)	-(321)표시할 온도단위, 온도보상, 센서이상시 설정
340	Display FND Intensity(0~16) Default:12	-(340) 표시부 밝기 설정 (예:0~16[최대밝기]) SCON5500 Only
501	Integrator (count range [count / hour])	-(501) 적산 카운터 비율 설정 (예:100 [100%입력시, 시간당 100 카운터])
601	Communication Set(MODBUS)	(601) 통신기능설정(01, 9600, 8, 1, None)
100	Alarm Functions (alarm point 1 ~ 7)	-(100) 알람기능설정(1-7) 예:(AL1:[Setpoint- Open - High]
101	Alarm Function Point (1)	-(101) 알람(1)기능설정(1) 예:(AL1:[Setpoint- Open - High]
102	Alarm Function Point (2)	-(102) 알람(2)기능설정(2) 예:(AL2:[Setpoint- Close - Low]
103	Alarm Function Point (3)	-(103) 알람(3)기능설정(3) 예:(AL3:[Window- Open]
104	Alarm Function Point (4)	-(104) 알람(4)기능설정(4) 예:(AL4:[Window- Close]
105	Alarm Function Point (5)	-(105) 알람(5)기능설정(5) 예:(AL5:[Off]
106	Alarm Function Point (6)	-(106) 알람(6)기능설정(6) 예:(AL6:[Off]
107	Alarm Function Point (7)	-(107) 알람(7)기능설정(7) 예:(AL7:[Off])- SCON5500 Only
110	Alarm Set-point (alarm point 1 ~ 7)	-(110) 알람설정(1-7) 예:(AL1: ~ AL7:)
111	Alarm Set-point (1)	-(111) 알람설정(1) 예:(AL1:[Setpoint:5000.0]-
112	Alarm Set-point (2)	-(112) 알람설정(2) 예:(AL2:[Setpoint:4000.0]-
113	Alarm Set-point (3)	-(113) 알람설정(3) 예:(AL3:[SetHigh:3000.0, SetLow:2000]-
114	Alarm Set-point (4)	-(114) 알람설정(4) 예:(AL4:[SetHigh:3000.0, SetLow:1000.0]-
115	Alarm Set-point (5)	-(115) 알람설정(5) 예:(AL5: [off]
116	Alarm Set-point (6)	-(116) 알람설정(6) 예:(AL6: [off]
117	Alarm Set-point (7)	-(117) 알람설정(7) 예:(AL7: [off]- SCON5500 Only

X01 (Set Value)

값 설정(값변경)

-199999~+999999

8888

F1 Next Item 다음메뉴 SET end 설정완료
F2 Enter 선택 Next Digit 다음자리
F3 Inc. Value 숫자 올림
F4 Dec. Value 숫자 내림

X02 (D.P.)

소숫점설정

0 ~ 5

0	0
1	0.0
2	0.00
3	0.000
4	0.0000
5	0.00000

X05 (Exit)

메인 복귀

F1

Press&hold>3sec.
3초이상 누름

DISPLAY (표시)

SAVE & RUN (MAIN)
저장 및 복귀

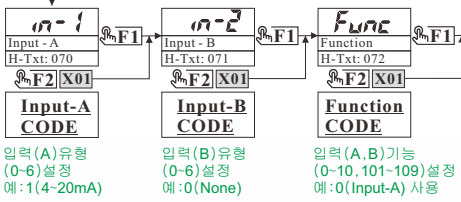
Help text in display (H-txt : 0000)

[004][dSP.L] Set display range low(display readout low)
 [005][dSP.H] Set display range high(display readout high)
 [006][dP] Set the decimal point position to a number (0 ~ 5)
 [007][oFFt] Display range scaling for deviation correction
 Low value calibration is less than 40% of displayed
 High value calibration is more than 60% of displayed
 Offset clear at display 50%

301 (Input Type & Function)

F1(Hold) > 3 sec. X05 (Exit)

(301)입력유형 및 기능 설정 F1 [3초이상누름] - 복귀 X05참조



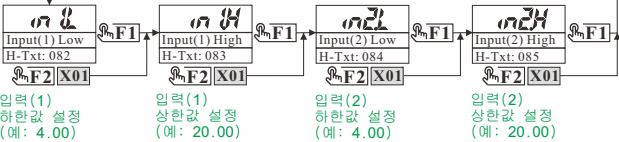
F1 [클릭]-다음메뉴 F2 [클릭]-선택(변경)X01참조 [070][in-1] (INPUT-A) Input Type-A (see the Instrument CODE(Input-A)table) [071][in-2] (INPUT-B) Input Type-B (see the CODE(Input-B) table) [072][Func] (FUNCTION) Selection of function (see the Instrument CODE(Function)table)

** [TABLE] 참조

302 (Input Range)

F1(Hold) > 3 sec. X05 (Exit)

(302)입력유형 및 기능 설정 F1 [3초이상누름] - 복귀 X05참조

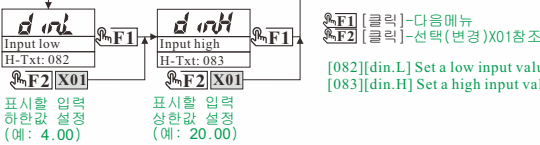


F1 [클릭]-다음메뉴 F2 [클릭]-선택(변경)X01참조 입력(1) 하한값 설정 (예: 4.00) 입력(1) 상한값 설정 (예: 20.00) 입력(2) 하한값 설정 (예: 4.00) 입력(2) 상한값 설정 (예: 20.00)

310 (Display Range)

F1(Hold) > 3 sec. X05 (Exit)

(310)입력유형 및 기능 설정 F1 [3초이상누름] - 복귀 X05참조



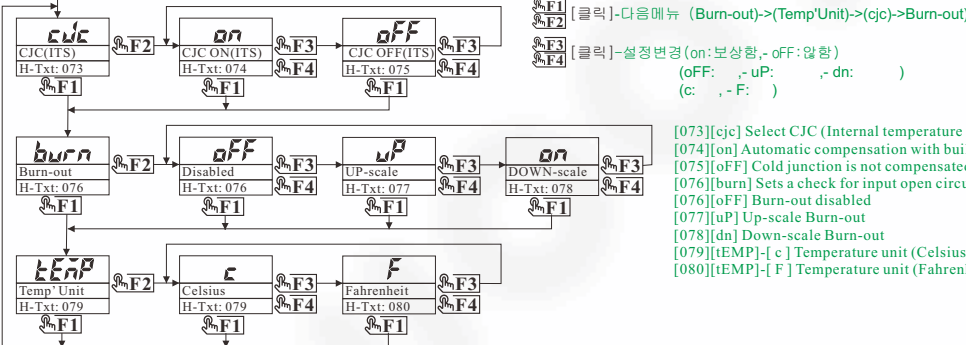
F1 [클릭]-다음메뉴 F2 [클릭]-선택(변경)X01참조 [082][din.L] Set a low input value for the display range (ex.: 4.00) [083][din.H] Set a high input value for the display range (ex.: 20.00)

321 (Unit Identification)

Select the appropriate unit for temperature being displayed

F1(Hold) > 3 sec. X05 (Exit)

(321)온도단위, 온도보상, 센서이상 설정 F1 [3초이상누름] - 복귀 X05참조



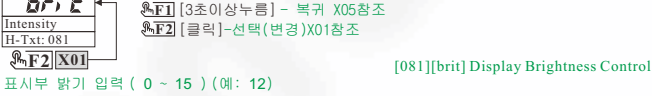
F1 [클릭]-다음메뉴 (Burn-out)->(Temp'Unit)->(cjc)->Burn-out F2 [클릭]-선택(변경)X01참조 F3 [클릭]-설정변경 (on:보상함, -off:않함) (oFF: -, uP: , -dn:) (c: , -F:) [073][cjc] Select CJC (Internal temperature sensor) [Used only in (TC) mode] [074][on] Automatic compensation with built in sensor(def:CJC:on) [075][oFF] Cold junction is not compensated) [076][burn] Sets a check for input open circuit [076][oFF] Burn-out disabled [077][uP] Up-scale Burn-out [078][dn] Down-scale Burn-out [079][TEMP]-[c] Temperature unit (Celsius) [080][TEMP]-[F] Temperature unit (Fahrenheit)

Navigation menu for X01 (Set Value), X05 (Exit), and F1-F4 functions with descriptions and icons.

340 (Display(FND) Intensity)

F1(Hold) > 3 sec. X05 (Exit)

(340)밝기 설정(0-15(최대)) F1 [3초이상누름] - 복귀 X05참조



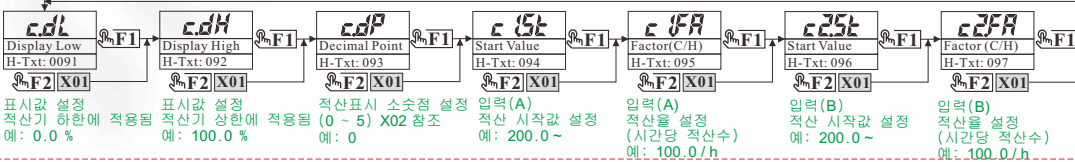
F1 [3초이상누름] - 복귀 X05참조 F2 [클릭]-선택(변경)X01참조 [081][brit] Display Brightness Control 표시부 밝기 입력 (0 ~ 15) (예: 12)

501 (Counter parameter)

Select the appropriate unit for temperature being displayed

F1(Hold) > 3 sec. X05 (Exit)

(501)적산기(count) 설정 F1 [3초이상누름] - 복귀 X05참조



F1 [3초이상누름] - 복귀 X05참조 F2 [클릭]-선택(변경)X01참조 표시값 설정 적산기 하한에 적용됨 (예: 0.0 %) 표시값 설정 적산기 상한에 적용됨 (예: 100.0 %) 적산표시 소숫점 설정 (0 ~ 5) X02 참조 (예: 0) 입력(A) 적산 시작값 설정 (예: 200.0 ~) 입력(A) 적산율 설정 (시간당 적산수) (예: 100.0/h) 입력(B) 적산율 설정 (시간당 적산수) (예: 100.0/h)

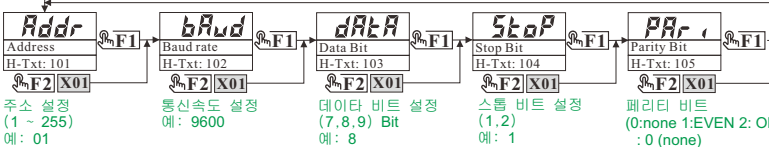
SCON5500 Only

601 (COMMUNICATION)

RS-232C, RS-485 (MODBUS-RTU, ETC..)

F1(Hold) > 3 sec. X05 (Exit)

(601)통신 (communication)설정 F1 [3초이상누름] - 복귀 X05참조



[101][Addr] Set a Slave address [102][bAud] Set a Baud rate [103][dAtA] Set a Data Bit (7-Bit, 8-Bit, or 9-Bit) [104][StoP] Set a Stop Bit (1-Bit or 2-Bit) [105][Pari] Set a Parity Bit (0-None, 1-EVEN or 2-ODD)

Alarm is SCON200 Only

100 (Alarm<1~7> Function)

F1 (Hold) > 3 sec.
X05 (Exit)

(100)알람<1~7> 순차적으로 기능 설정
F1 [3초이상누름] - 복귀 X05참조

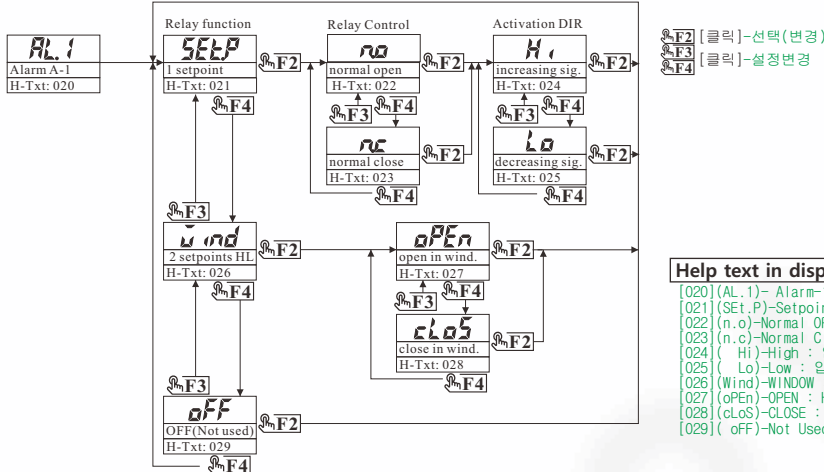
Alarm<1> to Alarm<7> are set sequentially



101 (Alarm<1> Function)

F1 (Hold) > 3 sec.
X05 (Exit)

(101)알람<1> 기능 설정
F1 [3초이상누름] - 복귀 X05참조



102 (Alarm<2> Function)

F1 (Hold) > 3 sec.
X05 (Exit)

(102)알람<2> 기능 설정
F1 [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 설정함)

103 (Alarm<3> Function)

F1 (Hold) > 3 sec.
X05 (Exit)

(103)알람<3> 기능 설정
F1 [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 설정함)

104 (Alarm<4> Function)

F1 (Hold) > 3 sec.
X05 (Exit)

(104)알람<4> 기능 설정
F1 [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 설정함)

105 (Alarm<5> Function)

F1 (Hold) > 3 sec.
X05 (Exit)

(105)알람<5> 기능 설정
F1 [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 설정함)

106 (Alarm<6> Function)

F1 (Hold) > 3 sec.
X05 (Exit)

(106)알람<6> 기능 설정
F1 [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 설정함)

107 (Alarm<7> Function)

F1 (Hold) > 3 sec.
X05 (Exit)

(107)알람<7> 기능 설정
F1 [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 설정함)

SCON5500 Only

X01 (Set Value)	
값 설정(값변경)	
-199999~+999999	
8888	
F1	Next Item 다음메뉴 SET end. 설정완료
F2	Enter 선택 Next Digit 다음자리
F3	Inc. Value 숫자 올림
F4	Dec. Value 숫자내림

X05 (Exit)	
메인 복귀	
F1	
Press&hold>3sec. 3초이상 누름	
DISPLAY(표시)	
8888	
SAVE & RUN (MAIN)	
저장 및 복귀	

Alarm is SCON200 Only

110 (Alarm<1~7> Value setting)

[F1] (Hold) > 3 sec.
X05 (Exit)

(110)알람<1~7> 순차적으로 입력
[F1] [3초이상누름] - 복귀 X05참조

Alarm<1> to Alarm<7> are set sequentially

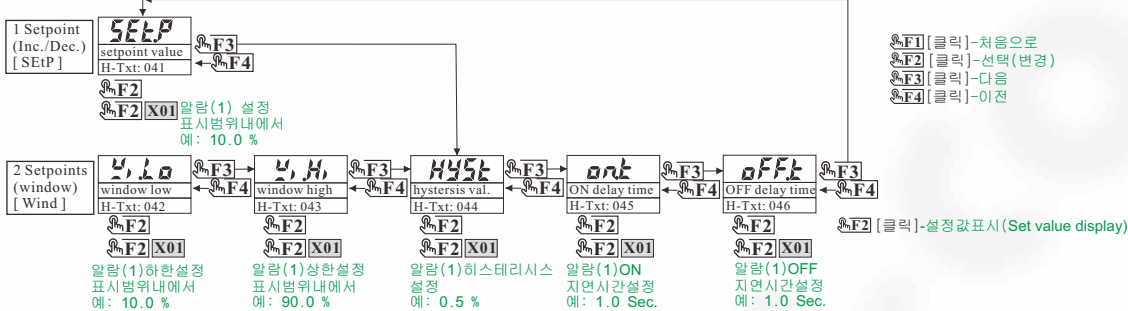
** Passed when the "Function - OFF" (FUNCTION에서 "OFF"로 설정되면 다음으로 이동함.**



111 (Alarm<1> Value setting)

[F1] (Hold) > 3 sec.
X05 (Exit)

(111)알람<1> 입력
[F1] [3초이상누름] - 복귀 X05참조



[F1] [클릭]-처음으로
[F2] [클릭]-선택(변경)
[F3] [클릭]-다음
[F4] [클릭]-이전

[F2] [클릭]-설정값표시 (Set value display)

112 (Alarm<2> Value setting)

[F1] (Hold) > 3 sec.
X05 (Exit)

(112)알람<2> 입력
[F1] [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 입력함)

113 (Alarm<3> Value setting)

[F1] (Hold) > 3 sec.
X05 (Exit)

(113)알람<3> 입력
[F1] [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 입력함)

114 (Alarm<4> Value setting)

[F1] (Hold) > 3 sec.
X05 (Exit)

(114)알람<4> 입력
[F1] [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 입력함)

115 (Alarm<5> Value setting)

[F1] (Hold) > 3 sec.
X05 (Exit)

(115)알람<5> 입력
[F1] [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 입력함)

116 (Alarm<6> Value setting)

[F1] (Hold) > 3 sec.
X05 (Exit)

(116)알람<6> 입력
[F1] [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 입력함)

117 (Alarm<7> Value setting)

[F1] (Hold) > 3 sec.
X05 (Exit)

(117)알람<7> 입력
[F1] [3초이상누름] - 복귀 X05참조

Same as Alarm<1> setting (알람<1>과같이 입력함)

SCON5500 Only

Help text in display (H-txt: 000)

- [041] [A1.SP]-Alarm-1 Set-point : 알람 1- 입력
- [042] [A1.SL]-Alarm-1 Set Window-LOW (알람1 윈도우 하한 입력)
- [043] [A1.SH]-Alarm-1 Set Window-HIGH (알람1 윈도우 상한 입력)
- [044] [Hs.1]-Alarm-1 Set Hysteresis (알람1 히스테리시스 입력)
- [045] [A1.on]-Alarm-1 Set ON delay time(알람1 ON 지연시간 입력)
- [046] [A1.off]-Alarm-1 Set OFF delay time(알람1 OFF 지연시간 입력)

Y.L.O Y.H.O
Y.L.H Y.H.H

X01 (Set Value)	
값 설정(값변경)	
-199999~+999999	
8888	
[F1]	Next Item 다음메뉴 SET end 설정완료
[F2]	Enter 선택 Next Digit 다음자리
[F3]	Inc. Value 숫자 올림
[F4]	Dec. Value 숫자 내림

X05 (Exit)	
메인 복귀	
[F1]	
Press & hold > 3sec. 3초이상 누름	
DISPLAY (표시)	
F.L.O	
SAVE & RUN (MAIN) 저장 및 복귀	

Output Type (OUTPUT-1, 2)			
Type	CODE	Range	
Unspecified	OFF	0	
DC current	20 mA	1	4~20mA
	20 mA	2	0~20mA
DC voltage	5 V	3	1~5 V
	5 V	4	0~5 V
	10 V	5	2~10 V
	10 V	6	0~10 V
	±5 V	7	-5 ~ +5 V
	±10 V	8	-10 ~ +10 V

(1,2) 유형(0-8) (: 4~20mA)

- (0) 출력 없음(없음)
- (1) 전류출력(4-20mA)
- (3) 전압출력(1-5V)

**** 전압 및 전류출력은 주문시 결정 됩니다**
 [Voltage and current output are determined when ordering]
**** 출고시 표준 출력으로 설정 됩니다**
 [It is set to standard output at the factory]

Setting Mode (설정 모드)

PUSH $\text{F1} + \text{F4}$

- ① Press, hold (F1 + F4) > 3 seconds (F1 + F4) 동시3초이상
- ② Enter CODE number(0302) 코드 번호 입력(X01참조)
- ③ F4 클릭 - CODE 번호실행

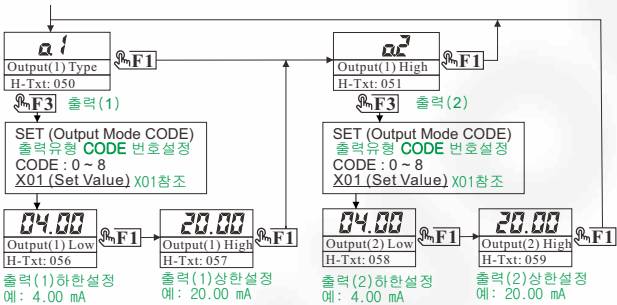
**** 주의가 필요합니다**
 [Needs attention.]

Executable CODE (Setup setting)	
CODE	Description
200	Output Type & Output range (mA, V) [OUTPUT-1, 2]
210	Display range to output [OUTPUT-1, 2]
800	Calibration Analog output [OUTPUT-1 (0~20mA)]
810	Calibration Analog output [OUTPUT-2 (0~20mA)]

- 실행할 CODE 번호
- (000) 취소 (cancel)
- (200) 출력유형 및 범위 설정 (예:4.00-20.00)
- (210) 출력할 표시범위 설정 (예:0.0-100.0)
- (800) 출력(1) 교정 (0% ~ 100%)

200 Output-Type & range (mA, V) 출력유형및범위

$\text{F1}(\text{Hold}) > 3\text{sec.}$ (200)출력유형 및 범위설정
 $\text{X05}(\text{Exit})$ F1 [3초이상누름]-복귀X05참조



출력설정(예:출력1 또는 출력2)
 F1 [3초이상누름]-복귀X05참조
 F1 [클릭]-다음메뉴
 F3 [클릭]-선택(값변경)X01참조

출력유형 CODE 설정(0~8) X01참조
 출력범위 설정(예:4.00mA~20.00mA) X01참조

X01 (Set Value) 값 설정 (값변경)

-199999~+999999

F1 Next Item 다음메뉴 SET_end 설정완료

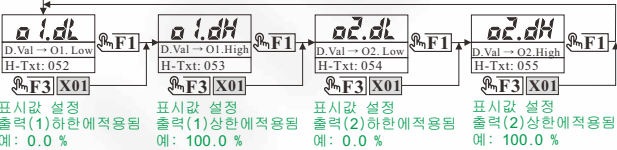
F2 Enter 선택 다음자리

F3 Inc. Value 숫자 올림

F4 Dec. Value 숫자 내림

210 (Display range to output) 표시치의 출력할범위

$\text{F1}(\text{Hold}) > 3\text{sec.}$ (210)표시값의 출력할범위설정(예:0.0~100.0)
 $\text{X05}(\text{Exit})$ F1 [3초이상누름]-복귀X05참조



****범위 출력 [Range output]**
 F1 [3초이상누름]-복귀X05참조
 F1 [클릭]-다음메뉴
 F3 [클릭]-선택(값변경)X01참조

X05 (Exit) 메인 복귀

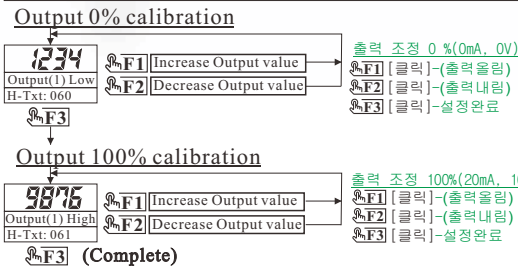
F1 Press&hold>3sec. 3초이상 누름

DISPLAY (표시)

SAVE & RUN (MAIN) 저장 및 복귀

800 (Calibration Output-1) 출력(1)

810 (Calibration Output-2) 출력(2)



Help text in display (H-txt: 000)

- [050] Set Output-1 Type(mA, V)
- [051] Set Output-2 Type(mA, V)
- [052] Display value for output-1 Low (The output range is within display range)
- [053] Display value for output-1 High (The output range is within display range)
- [054] Display value for output-2 Low (The output range is within display range)
- [055] Display value for output-2 High (The output range is within display range)
- [056] Output-1 Low Range in (mA or Voltage)
- [057] Output-1 High Range in (mA or Voltage)
- [058] Output-2 Low Range in (mA or Voltage)
- [059] Output-2 High Range in (mA or Voltage)
- [060] Calibration output LOW to process value 0%
- [061] Calibration output HIGH to process value 100%

****Check output value with DM. (DM으로 출력값 확인)**