

[ TABLE ] (301)입력유형 및 기능 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
	Pt500	202	-200~800°C
	Pt1000	203	-200~800°C
RTD(3-Wire)	Pt100	211	-200~800°C
	Pt500	212	-200~800°C
	Pt1000	213	-200~800°C
RTD(4-Wire)	Pt100	221	-200~800°C
	Pt500	222	-200~800°C
	Pt1000	223	-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	308	~ 400 Ω
		350	(auto-select) ~200 KΩ
		351	~100 KΩ
		352	~50 KΩ
		353	~20 KΩ
		354	~10 KΩ
		355	~5 KΩ
		356	~2 KΩ
357	~1 KΩ		
358	~ 400 Ω		

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

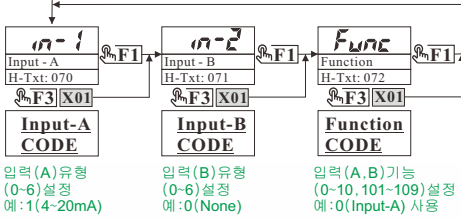
  

Instrument CODE (Function)		
FUNCTIONS scription	CODE	INPUT
Normal Input-A	0	0: Display (Temperature(°C) or % )  Input-A
Squre-root	1	
Root-Extractor	2	
Integrator	3	
Peak-Holder(Higher)	4	
Peak-Holder(Lower)	5	
Peak-Holder(High&Low)	6	Input(A + B) Input(A - B) Input(A * B) Input(A / B)
Adder	7	
Subtractor	8	
Multiplier	9	
Divider	10	
Normal Input-B	101	
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

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



### 301 (Input Type & Function) 입력유형및기능 설정 F1(Hold)>3sec. (301)입력유형 및 기능설정 X05 (Exit) F1 [3초이상누름]-복귀X05참조

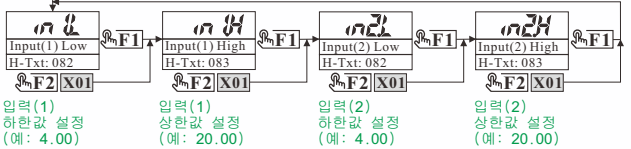


F1 [3초이상누름]-복귀X05참조  
F1 [클릭]-다음메뉴  
F3 [클릭]-선택(값변경)X01참조

[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**

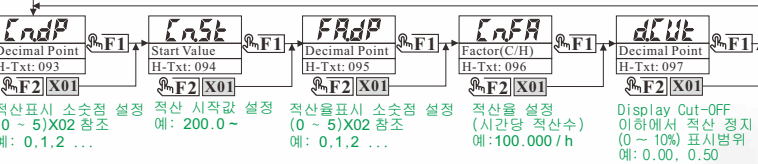
### 302 (Input Range) 입력범위 설정 F1(Hold)>3sec. (302)입력범위설정 X05 (Exit) F1 [3초이상누름]-복귀X05참조



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)

### 304 (Counter parameter) 카운터 설정 F1(Hold)>3sec. (304)작산기(count) 설정 X05 (Exit) F1 [3초이상누름]-복귀 X05참조

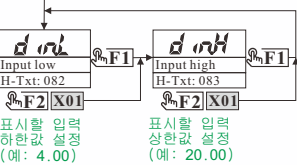


F2 [클릭]-다음메뉴  
F2 [클릭]-선택(변경)X01참조

작산표시 소숫점 설정 (예: 0.1, 2 ...)  
작산 시작값 설정 (예: 200.0 ~)  
작산표시 소숫점 설정 (예: 0.1, 2 ...)  
작산율 설정 (시간당 작산수) (예: 100.000/h)  
Display Cut-OFF 이하에서 작산 경지 (0 ~ 10%) 표시범위 (예: 0.00, 0.50)

[093][Cn.dP] Set decimal point for count display  
[094][Cn.St] Set start count value.  
[095][FA.dP] Set decimal point display for Fact-value display  
[096][Cn.FA] Set the fact-value of the counter(count / hour)  
[097][d.CUT] Set CUT-OFF value of the Display

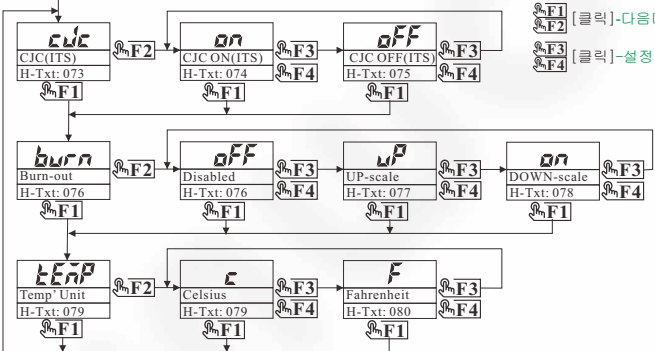
### 310 (Input range to Display) 표시할 입력 범위 F1(Hold)>3sec. (310)표시할 입력범위 설정 X05 (Exit) F1 [3초이상누름]-복귀 X05참조



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)

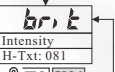
### 321 (Temperature sensor) 온도센서 설정 F1(Hold)>3sec. (321)온도단위, 온도보상, 센서이상 설정 X05 (Exit) F1 [3초이상누름]-복귀 X05참조



F1 [클릭]-다음메뉴 (Burn-out)-(Temp'Unit)-(cjc)->Burn-out)  
F2 [클릭]-설정변경 (on: 보상항, -oFF: 양항)  
F3 [클릭]-설정변경 (oFF: 양항, - uP: 출력최대, - dn: 출력최소)  
F4 [클릭]-설정(예: c: 섭씨, - F: 화씨)

[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  
[077][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)

### 340 (Display(FND) Intensity) 표시 밝기 조절 F1(Hold) > 3 sec. (340)밝기 설정(0-15(최대)) X05 (Exit) F1 [3초이상누름]-복귀 X05참조

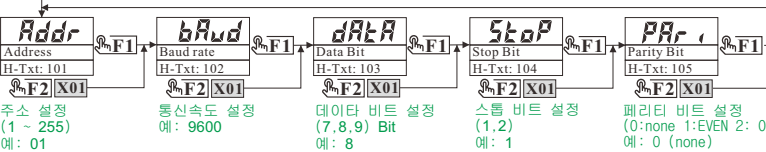


F1 [3초이상누름]-복귀 X05참조  
F2 [클릭]-선택(변경)X01참조

[081][brit] Display Brightness Control

표시부 밝기 입력 ( 0 ~ 15 ) (예: 12)

### 601 (Serial Interface) 통신 설정 F1(Hold) > 3 sec. (601)통신 (communication)설정 X05 (Exit) F1 [3초이상누름]-복귀 X05참조



F2 [클릭]-다음메뉴  
F2 [클릭]-선택(변경)X01참조

[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)

알람 설정 (ALARM SETTING)

100 (Alarm<1~7> Function) 알람 기능설정

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

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

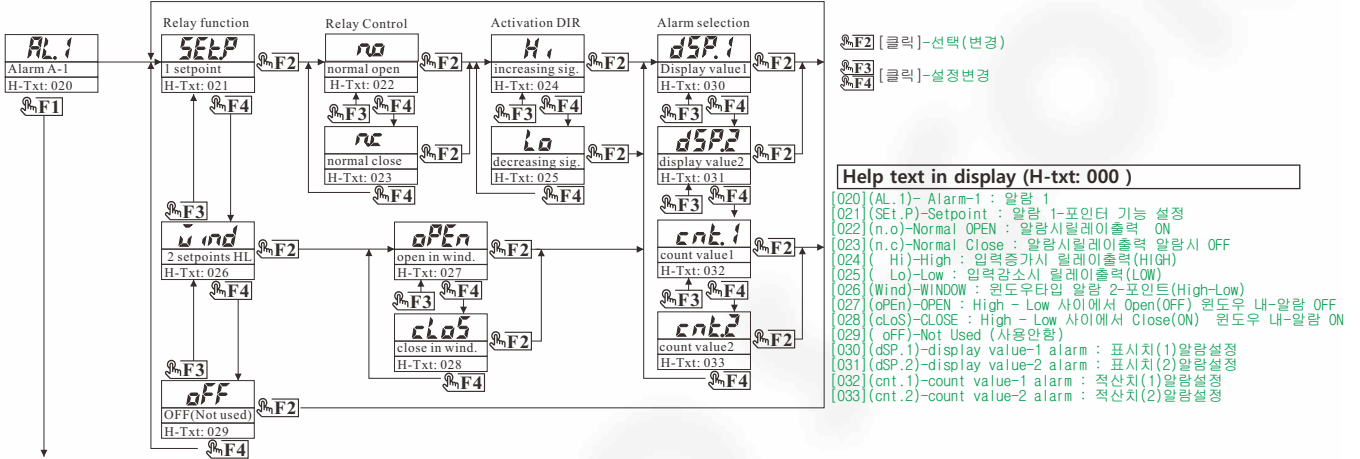
Alarm<1> to Alarm<7> are set sequentially



101 (Alarm<1> Function) 알람<1> 기능설정

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

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



Help text in display (H-txt: 000)

- [020] (AL.1)- Alarm-1 : 알람 1
- [021] (SEt.P)-Setpoint : 알람 1-포인터 기능 설정
- [022] (n.o)-Normal OPEN : 알람시릴레이출력 ON
- [023] (n.c)-Normal Close : 알람시릴레이출력 알람시 OFF
- [024] ( Hi)-High : 입력증가시 릴레이출력 (HIGH)
- [025] ( Lo)-Low : 입력감소시 릴레이출력 (LOW)
- [026] (Wind)-WINDOW : 윈도우타입 알람 2-포인트(High-Low)
- [027] (oPEn)-OPEN : High - Low 사이에서 Open(OFF) 윈도우 내-알람 OFF
- [028] (cloS)-CLOSE : High - Low 사이에서 Close(ON) 윈도우 내-알람 ON
- [029] (-oFF)-Not Used (사용안함)
- [030] (dSP.1)-display value-1 alarm : 표시치(1)알람설정
- [031] (dSP.2)-display value-2 alarm : 표시치(2)알람설정
- [032] (cnt.1)-count value-1 alarm : 적산치(1)알람설정
- [033] (cnt.2)-count value-2 alarm : 적산치(2)알람설정

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

- 102 (Alarm<2> Function) (102)알람<2> 기능 설정
- 103 (Alarm<3> Function) (103)알람<3> 기능 설정
- 104 (Alarm<4> Function) (104)알람<4> 기능 설정
- 105 (Alarm<5> Function) (105)알람<5> 기능 설정
- 106 (Alarm<6> Function) (106)알람<6> 기능 설정
- 107 (Alarm<7> Function) (107)알람<7> 기능 설정

110 (Alarm<1~7> Value setting) 알람설정

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

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

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

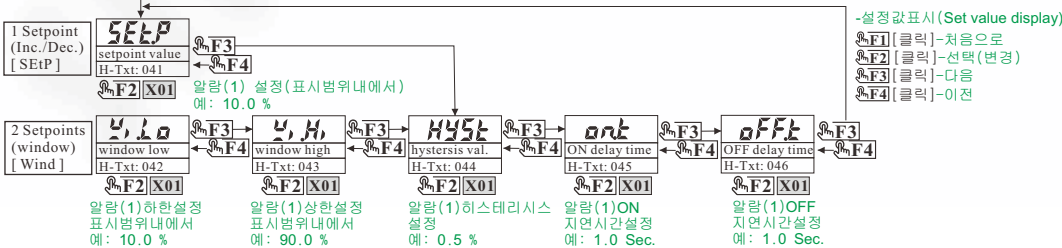
\*\* Passed when the "Function - OFF" (FUNCTION에서"OFF"로 설정되면 다음으로 이동함.\*\*)



111 (Alarm<1> Value setting) 알람<1>설정

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

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



**X01 (Set Value) 값 설정 (값변경)**  
-199999~+999999

F1 Next Item 다음 메뉴 SET\_end 설정완료  
F2 Enter 선택 Next Digit 다음 자리  
F3 Inc. Value 숫자 올림  
F4 Dec. Value 숫자 내림

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

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

- 112 (Alarm<2> Value setting) (112)알람<2> 설정
- 113 (Alarm<3> Value setting) (113)알람<3> 설정
- 114 (Alarm<4> Value setting) (114)알람<4> 설정
- 115 (Alarm<5> Value setting) (115)알람<5> 설정
- 116 (Alarm<6> Value setting) (116)알람<6> 설정
- 117 (Alarm<7> Value setting) (117)알람<7> 설정

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

F1 [3초이상누름] - 복귀 X05참조

- [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] (HyS.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)

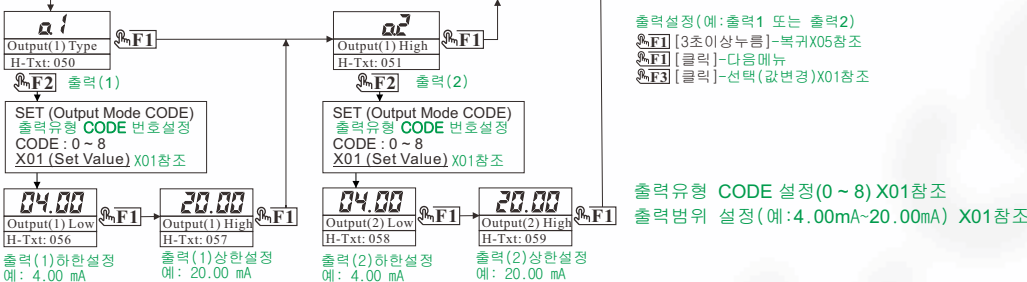
Output Type (OUTPUT-1, 2)			
Type	CODE	Range	
Unspecified	OFF	0	None (없음)
DC current (전류출력)	20 mA	1	4~20mA
	20 mA	2	0~20mA(std)
DC voltage (전압출력)	5 V	3	1~5 V
	5 V	4	0~5 V
	10 V	5	2~10 V
	10 V	6	0~10 V
	±5 V	7	-5 ~ +5 V
	±10 V	8	-10 ~ +10 V(std)

Setting CODE number (CODE 번호)	
200	Output Type & Output range (mA, V) [ OUTPUT-1, 2 ]
210	Display range to output [ OUTPUT-1, 2 ]
220	Frequency Output (Cut-off, Linearity )
230	Linear-Output slope setting (1~10)
800	Calibration Analog output [OUTPUT-1 (0~20mA)]
810	Calibration Analog output [OUTPUT-2 (0~20mA)]

- 실행할 CODE 번호 (0000) 취소 (cancel)
- (200) 출력유형 및 범위 설정 (예: 4.00-20.00)
- (210) 출력할 표시범위 설정 (예: 0.0~100.0)
- (220) 주파수 출력시 설정
- (230) 출력 기울기 설정 (최대 10 steps)
- (800) 출력(1) 교정 (0%(0mA)~100%(20mA))
- (810) 출력(2) 교정 (0%(0mA)~100%(20mA))

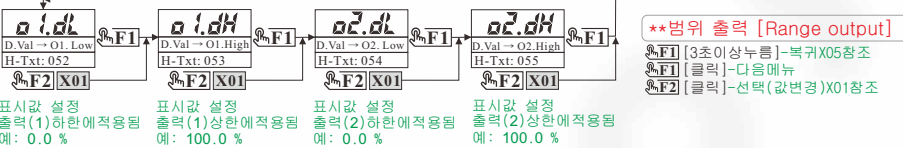
### 200 Output-Type & range (mA, V) 출력유형 및 범위

Output type and Output range in (mA, V)      **F1(Hold)>3sec. X05 (Exit)**      (200) 출력유형 및 범위 설정      **F1** [3초이상누름]-복귀X05참조



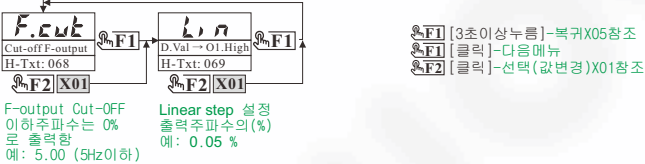
### 210 (Display range to output) 표시치의 출력할 범위

Display value for output range      **F1(Hold)>3sec. X05 (Exit)**      (210) 표시값의 출력할 범위 설정      **F1** [3초이상누름]-복귀X05참조



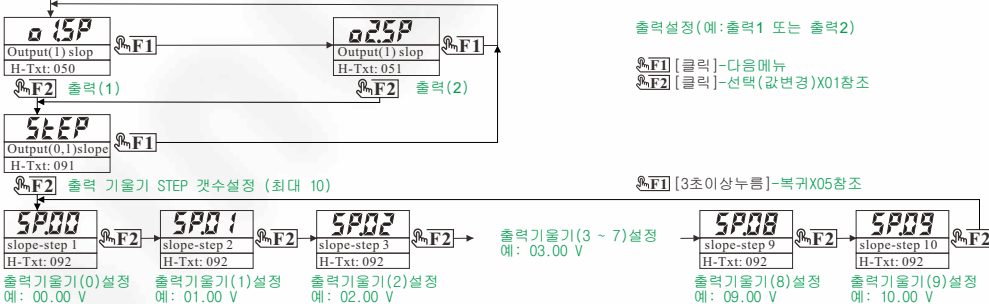
### 220 Frequency Output (Cut-off, Linearity) 주파수 출력 설정

Frequency output control      **F1(Hold)>3sec. X05 (Exit)**      (220) 주파수 출력 설정      **F1** [3초이상누름]-복귀X05참조

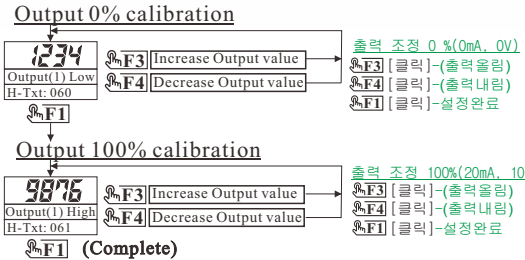


### 230 Output-Slope (Linear setting) 출력 리니어 설정

Output linear setting (step 0~10)      **F1(Hold)>3sec. X05 (Exit)**      (230) 출력리니어 설정      **F1** [3초이상누름]-복귀X05참조



### 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%
  - [091] number of gradient output steps(2~10 max.10)
  - [092] output slope settings (output range)
- Set slope-value(2 ~ 10) step0 to step1 to step 2,3,4,5,6,7,8,9 and step 10

**X01 (Set Value)**  
값 설정(값변경)

-1999999~+999999

023456

**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)

SAVE RUN

SAVE & RUN (MAIN)  
저장 및 복귀

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