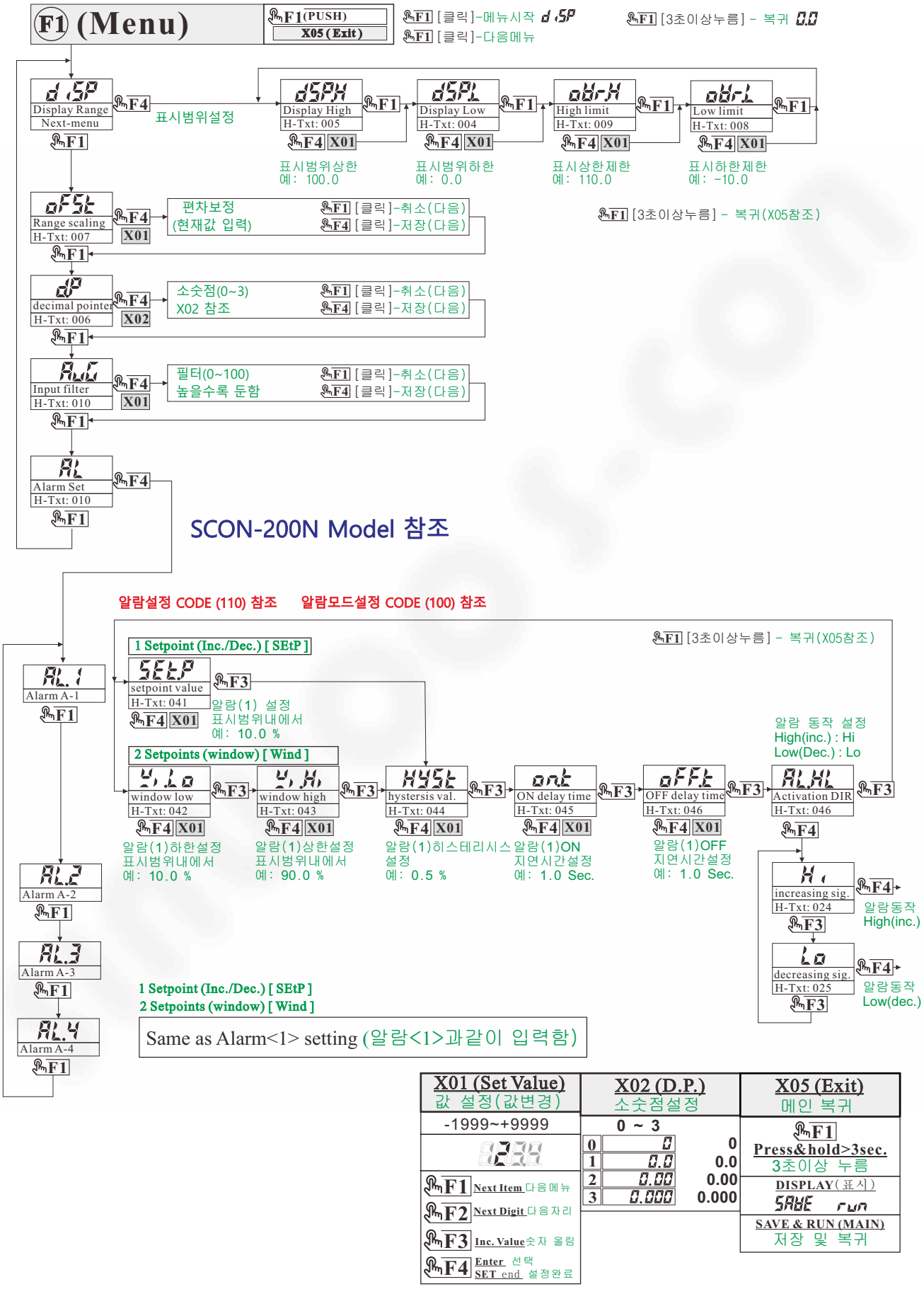
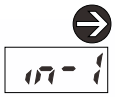

F1 (Menu)
F1(PUSH)
X05 (Exit)
F1 [클릭]-메뉴시작 d.SP
F1 [클릭]-다음메뉴
F1 [3초이상누름] - 복귀 0.0
d.SP
Display Range
Next-menu
F4
표시범위설정
dSPH
Display High
H-Txt: 005
F4 X01
표시범위상한
예: 100.0
dSPL
Display Low
H-Txt: 004
F4 X01
표시범위하한
예: 0.0
oBr-H
High limit
H-Txt: 009
F4 X01
표시상한제한
예: 110.0
oBr-L
Low limit
H-Txt: 008
F4 X01
표시하한제한
예: -10.0
oFSt
Range scaling
H-Txt: 007
X01
편차보정
(현재값 입력)
F1 [클릭]-취소(다음)
F4 [클릭]-저장(다음)
F1 [3초이상누름] - 복귀(X05참조)
dP
decimal pointer
H-Txt: 006
X02
소숫점(0~3)
X02 참조
F1 [클릭]-취소(다음)
F4 [클릭]-저장(다음)
AvG
Input filter
H-Txt: 010
X01
필터(0~100)
높을수록 둔함
F1 [클릭]-취소(다음)
F4 [클릭]-저장(다음)
AL
Alarm Set
H-Txt: 010
SCON-200N Model 참조
알람설정 CODE (110) 참조
알람모드설정 CODE (100) 참조
F1 [3초이상누름] - 복귀(X05참조)
AL.1
Alarm A-1
1 Setpoint (Inc./Dec.) [SEtP]
SEtP
setpoint value
H-Txt: 041
F4 X01
F3
알람(1) 설정
표시범위내에서
예: 10.0 %
2 Setpoints (window) [Wind]
Y.Lo
window low
H-Txt: 042
F4 X01
알람(1)하한설정
표시범위내에서
예: 10.0 %
Y.Hi
window high
H-Txt: 043
F4 X01
알람(1)상한설정
표시범위내에서
예: 90.0 %
HYSt
hystersis val.
H-Txt: 044
F4 X01
알람(1)히스테리시스
설정
예: 0.5 %
ont
ON delay time
H-Txt: 045
F4 X01
알람(1)ON
지연시간설정
예: 1.0 Sec.
oFFt
OFF delay time
H-Txt: 046
F4 X01
알람(1)OFF
지연시간설정
예: 1.0 Sec.
AL.HL
Activation DIR
H-Txt: 046
F4
알람 동작 설정
High(inc.) : Hi
Low(Dec.) : Lo
H.
increasing sig.
H-Txt: 024
F3
F4
알람동작
High(inc.)
Lo
decreasing sig.
H-Txt: 025
F3
F4
알람동작
Low(dec.)
AL.2
Alarm A-2
AL.3
Alarm A-3
AL.4
Alarm A-4
1 Setpoint (Inc./Dec.) [SEtP]
2 Setpoints (window) [Wind]
Same as Alarm<1> setting (알람<1>과같이 입력함)
X01 (Set Value)
값 설정(값변경)
-1999~+9999
F1 Next Item 다음메뉴
F2 Next Digit 다음자리
F3 Inc. Value 숫자 올림
F4 Enter 선택
SET end 설정완료
X02 (D.P.)
소숫점설정
0 ~ 3
0 0
1 0.0 0.0
2 0.00 0.00
3 0.000 0.000
X05 (Exit)
메인 복귀
F1
Press&hold>3sec.
3초이상 누름
DISPLAY(표시)
SAVE run
SAVE & RUN (MAIN)
저장 및 복귀

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



(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
	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
		308	User Spec.
	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
		358	User Spec.

(301)
입력B 설정

Instrument CODE (Input-B)

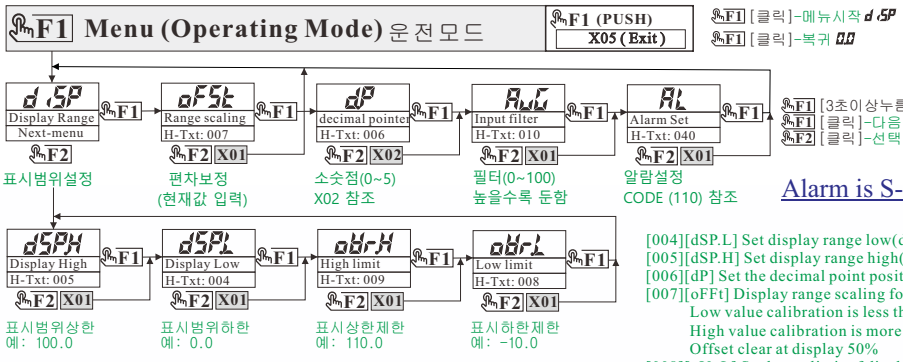
Input	Type	CODE	Input Range
Unspecified	OFF	0	None
DC current	20 mA	1	0(4)~20mA
Loop Powered	20 mA	2	4~20 mA
DC voltage	10V	3	-10(0)~10V
	5 V	4	-5(0)~5 V
	1 V	5	-1(0)~1 V
	100 mV	6	-100(0)~100 mV

(301)
기능 설정

Instrument CODE (Function)

FUNCTIONS scription	CODE	INPUT
Normal Input-A	0	Input-A
Squre-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	101:Display (Resistance(Ω)) Input-B

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



Alarm is S-CON200N Only

[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 ~ 3)
[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%
[008][oVr.L] Set lower limit of display value.
[009] [oVr.H] Set upper limit of display value.
[010][FL.Ad][AvG] Set input filter(1~100) It is similar to the input average(def: 1)
[040][AL] Setpoint Parameters (Requires Setpoint Option)

Setting Mode (설정 모드)

PUSH F1 + F4

CODE Number
H-Txt: 001

① Press, hold (F1+ F4) > 3 seconds
(F1 + F4) 동시3초이상

② **Enter CODE number**
코드 번호 입력(X01참조)

③ F4 클릭 - CODE 번호실행

HOT-key

F1 Menu ** 주의가 필요합니다
F2 Version [Needs attention.]
F3
F4 display alternately(nor./count/res....)
F1+F4 CODE Number
F2+F4 RESET(count, peak-hold)

Executable CODE (Setup setting)

CODE	Description
301	Input Mode (INPUT-A, INPUT-B and Function)
302	Input Range (Input-A and Input-B)
310	Set input range of display
321	Display temperature (unit, scale and burn-out)
601	Communication Set(MODBUS)
100	Alarm Functions (alarm point 1 ~ 4)
101	Alarm Function Point (1)
102	Alarm Function Point (2)
103	Alarm Function Point (3)
104	Alarm Function Point (4)
110	Alarm Set-point (alarm point 1 ~ 4)
111	Alarm Set-point (1)
112	Alarm Set-point (2)
113	Alarm Set-point (3)
114	Alarm Set-point (4)

-실행할 CODE 번호
-(000) 취소 (cancel)
-(301)입력유형 및 기능 설정
-(302)입력-A,입력-B 범위 설정
-(310) 입력 범위 설정 (예:4.00~20.00)
-(321)표시할 온도단위,온도보상,센서이상시 설정
(601) 통신기능설정(01, 9600, 8, 1, None)
-(100) 알람기능설정(1~4) 예:(AL1:[Setpoint- Open - High]
-(101) 알람(1)기능설정(1) 예:(AL1:[Setpoint- Open - High]
-(102) 알람(2)기능설정(2) 예:(AL2:[Setpoint- Close - Low]
-(103) 알람(3)기능설정(3) 예:(AL3:[Window- Open]
-(104) 알람(4)기능설정(4) 예:(AL4:[Window- Close]
-(110) 알람설정(1~4) 예:(AL1: ~ AL4:)
-(111) 알람설정(1) 예:(AL1:[Setpoint:5000.0]-
-(112) 알람설정(2) 예:(AL2:[Setpoint:4000.0]-
-(113) 알람설정(3) 예:(AL3:[SetHigh:3000.0, SetLow:2000]-
-(114) 알람설정(4) 예:(AL4:[SetHigh:3000.0, SetLow:1000.0]-

X01 (Set Value) 값 설정(값변경)

-1999~+9999

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

X02 (D.P.) 소숫점설정

0 ~ 3

0	0	0
1	0.0	0.0
2	0.00	0.00
3	0.000	0.000

X05 (Exit) 메인 복귀

F1 Press&hold>3sec. 3초이상 누름

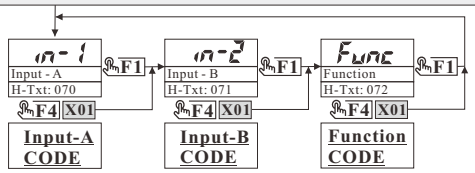
DISPLAY(표시) SAVE run

SAVE & RUN (MAIN) 저장 및 복귀

301 (Input Type & Function) 입력유형및기능 설정

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

(301)입력유형 및 기능설정
F1 [3초이상누름]-복귀X05참조



F1 [3초이상누름]-복귀X05참조
F1 [클릭]-다음메뉴
F4 [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)

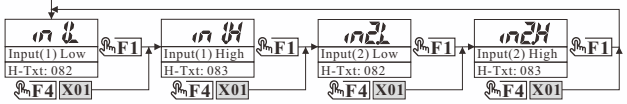
입력(A)유형 (0~6)설정 예:1(4~20mA)
입력(B)유형 (0~6)설정 예:0(None)
입력(A,B)기능 (0~10,101~109)설정 예:0(Input-A) 사용

** [TABLE] 참조

302 (Input Range) 입력범위 설정

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

(302)입력범위설정
F1 [3초이상누름]-복귀X05참조



F1 [클릭]-다음메뉴
F4 [클릭]-선택(변경)X01참조

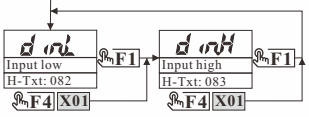
[082][in1.L] Set a low input value for the display range (ex.: 4.00)
[083][in1.H] Set a high input value for the display range (ex.: 20.00)

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 (Input range to Display) 표시할 입력 범위

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

(310)표시할 입력범위 설정
F1 [3초이상누름] - 복귀 X05참조



F1 [클릭]-다음메뉴
F4 [클릭]-선택(변경)X01참조

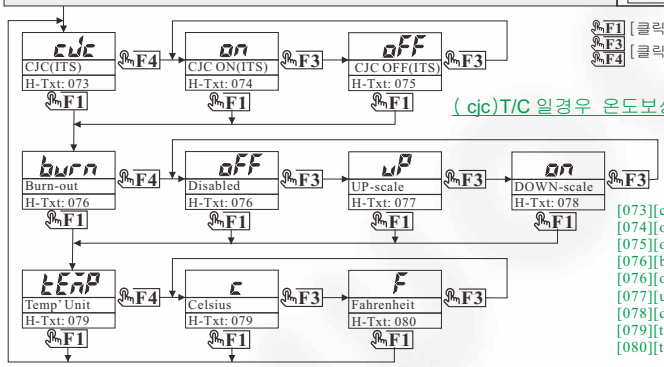
[082][din.L] Set a low input value for the display range (ex.: 0.00)
[083][din.H] Set a high input value for the display range (ex.: 100.0)

표시할 입력 하한값 설정 (예: 4.00)
표시할 입력 상한값 설정 (예: 20.00)

321 (Temperature sensor) 온도센서 설정

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

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



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

(cjc)T/C 일경우 온도보상 설정

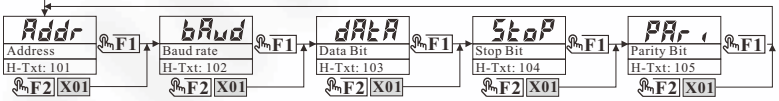
[073][cjc] Select CJC (Internal temperature sensor) [Used only in (TC) mode]
[074][on] Automatic compensation with built in sensor(def:CJC:on)
[075][oFF] Cold junction is not compensated)
[076][burn] Sets a check for input open circuit
[076][oFF] Burn-out disabled
[077][uP] Up-scale Burn-out
[078][dn] Down-scale Burn-out
[079][tEMP]-[c] Temperature unit (Celsius)
[080][tEMP]-[F] Temperature unit (Fahrenheit)

601 (Serial Interface) 통신 설정

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

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

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



주소 설정 (1 ~ 255) 예: 01
통신속도 설정 예: 9600
데이타 비트 설정 (7,8,9) Bit 예: 8
스톱 비트 설정 (1,2) 예: 1
페리티 비트 설정 (0:none 1:EVEN 2: ODD) 예: 0 (none)

[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)

X01 (Set Value)
값 설정(값변경)

-1999~+9999

1234

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

X05 (Exit)
메인 복귀

F1 Press&hold>3sec.
3초이상 누름

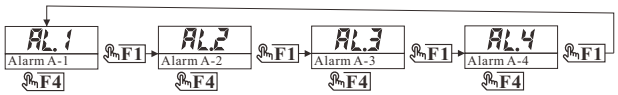
DISPLAY(표시)
SAVE run

SAVE & RUN (MAIN)
저장 및 복귀

100 (Alarm<1~4> 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

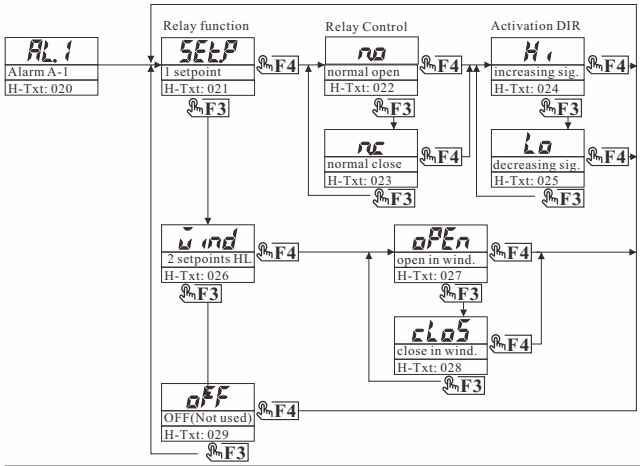
Alarm<1>: Edit it like "CODE101" 알람<1> CODE101처럼 설정
Alarm<2>: Edit it like "CODE102" 알람<2> CODE102처럼 설정
Alarm<3>: Edit it like "CODE103" 알람<3> CODE103처럼 설정
Alarm<4>: Edit it like "CODE104" 알람<4> CODE104처럼 설정

Alarm is SCON200 Only

101 (Alarm<1> Function) 알람<1>기능설정

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

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



F4 [클릭]-선택(변경)
F3 [클릭]-설정변경

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)
[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.on]-Alarm-1 Set OFF delay time(알람1 OFF 지연시간 입력)

102 (Alarm<2> Function) 알람<2>기능설정

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

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

103 (Alarm<3> Function) 알람<3>기능설정

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

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

104 (Alarm<4> Function) 알람<4>기능설정

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

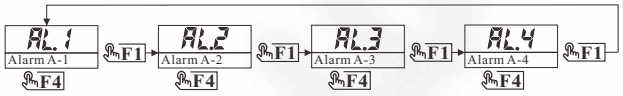
(104)알람<4> 기능 설정
F1 [3초이상누름] - 복귀 X05참조

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

110 (Alarm<1~4> Value setting) 알람설정

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

(110)알람<1~4> 순차적으로 입력
F1 [3초이상누름] - 복귀 X05참조



Alarm<1> to Alarm<4> are set sequentially

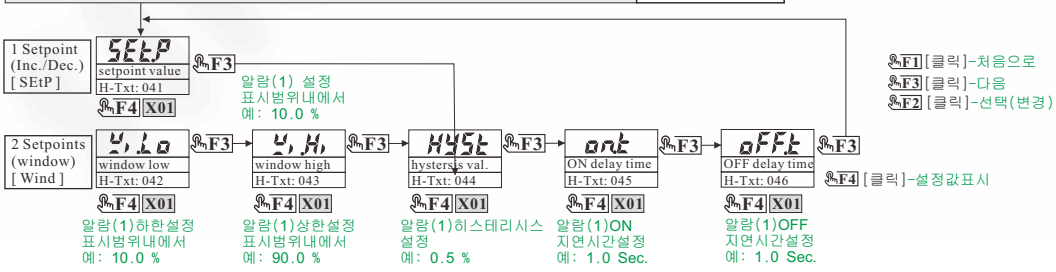
** Passed when the "Function - OFF"
(FUNCTION에서"OFF"로 설정되면 다음으로 이동함.**

Alarm<1>: Edit it like "CODE111" 알람<1> CODE111처럼 설정
Alarm<2>: Edit it like "CODE112" 알람<2> CODE112처럼 설정
Alarm<3>: Edit it like "CODE113" 알람<3> CODE113처럼 설정
Alarm<4>: Edit it like "CODE114" 알람<4> CODE114처럼 설정

111 (Alarm<1> Value setting) 알람<1>설정

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

(111)알람<1> 입력
F1 [3초이상누름] - 복귀 X05참조



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

112 (Alarm<2> Value setting) 알람<2>설정

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

(112)알람<2> 입력
F1 [3초이상누름] - 복귀 X05참조

113 (Alarm<3> Value setting) 알람<3>설정

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

(113)알람<3> 입력
F1 [3초이상누름] - 복귀 X05참조

114 (Alarm<4> Value setting) 알람<4>설정

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

(114)알람<4> 입력
F1 [3초이상누름] - 복귀 X05참조

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

X01 (Set Value)
값 설정(값변경)

-1999~+9999

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

X05 (Exit)
메인 복귀

F1
Press&hold>3sec.
3초이상 누름

DISPLAY(표시)
SAVE run

SAVE & RUN (MAIN)
저장 및 복귀

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]	-(200) 출력유형 및 범위 설정 (예:4.00~20.00)
210	Display range to output [OUTPUT-1, 2]	-(210) 출력할 표시범위 설정 (예:0.0~100.0)
220	Frequency Output (Cut-off , Linearity)	(220) 주파수 출력시 설정
230	Linear-Output slope setting (1~10)	(230) 출력 기울기 설정(최대 10 steps)
800	Calibration Analog output [OUTPUT-1 (0~20mA)]	-(800) 출력(1) 교정 (0%(0mA)~100%(20mA))
810	Calibration Analog output [OUTPUT-2 (0~20mA)]	(810) 출력(2) 교정 (0%(0mA)~100%(20mA))

-실행할 CODE 번호 (0000) 취소 (cancel)

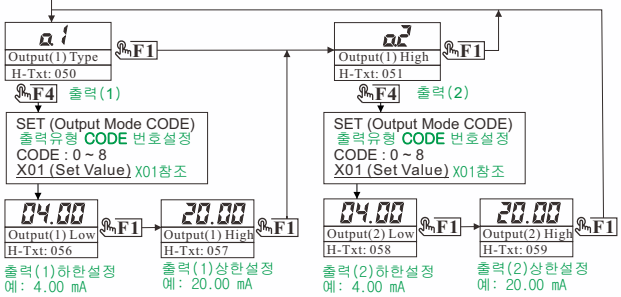
200 Output-Type & range (mA, V) 출력유형및범위

Output type and Output range in (mA, V)

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

(200)출력유형 및 범위설정

F1 [3초이상누름]-복귀X05참조



출력설정(예:출력1 또는 출력2)

F1 [3초이상누름]-복귀X05참조

F1 [클릭]-다음메뉴

F4 [클릭]-선택(값변경)X01참조

출력유형 CODE 설정(0 ~ 8) X01참조

출력범위 설정(예:4.00mA~20.00mA) X01참조

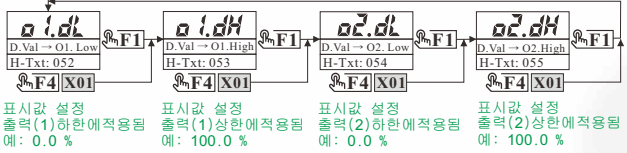
210 (Display range to output) 표시치의 출력할범위

Display value for output range

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

(210)표시값의 출력할범위설정

F1 [3초이상누름]-복귀X05참조



**범위 출력 [Range output]

F1 [3초이상누름]-복귀X05참조

F1 [클릭]-다음메뉴

F4 [클릭]-선택(값변경)X01참조

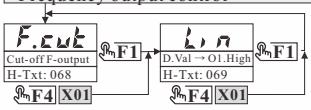
220 Frequency Output (Cut-off , Linearity) 주파수 출력 설정

Frequency output control

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

(220)주파수출력설정

F1 [3초이상누름]-복귀X05참조



F1 [3초이상누름]-복귀X05참조

F1 [클릭]-다음메뉴

F4 [클릭]-선택(값변경)X01참조

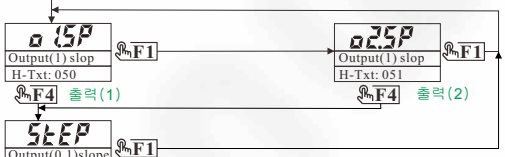
230 Output-Slope (Linear setting) 출력 리니어 설정

Output linear setting (step 0~10)

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

(230)출력리니어설정

F1 [3초이상누름]-복귀X05참조

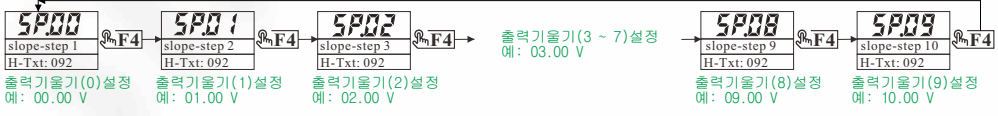


출력설정(예:출력1 또는 출력2)

F1 [클릭]-다음메뉴

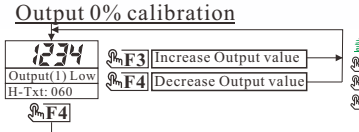
F4 [클릭]-선택(값변경)X01참조

F1 [3초이상누름]-복귀X05참조



800 (Calibration Output-1) 출력(1) | 810 (Calibration Output-2) 출력(2)

Output 0% calibration



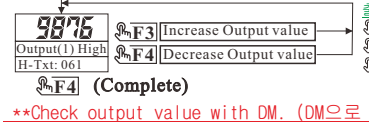
출력 조정 0 %(0mA, 0V)

F3 [클릭]-(출력올림)

F2 [클릭]-(출력내림)

F4 [클릭]-설정완료

Output 100% calibration



출력 조정 100%(20mA, 10V)

F3 [클릭]-(출력올림)

F2 [클릭]-(출력내림)

F4 [클릭]-설정완료

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

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)
-1999~+9999
1234
F1 Next Item 다음메뉴
F2 Next Digit 다음자리
F3 Inc. Value 숫자 올림
F4 Enter 선택 SET end 설정완료

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