FOX®

DAE SUNG E.N.G

Digital Control Panel Meter
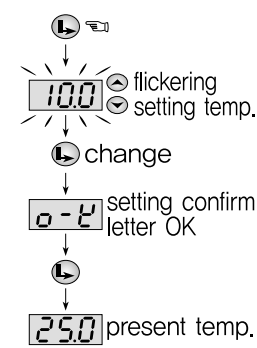www.foxeng.co.kr

DAE SUNG E.N.G — **FOX-2002**
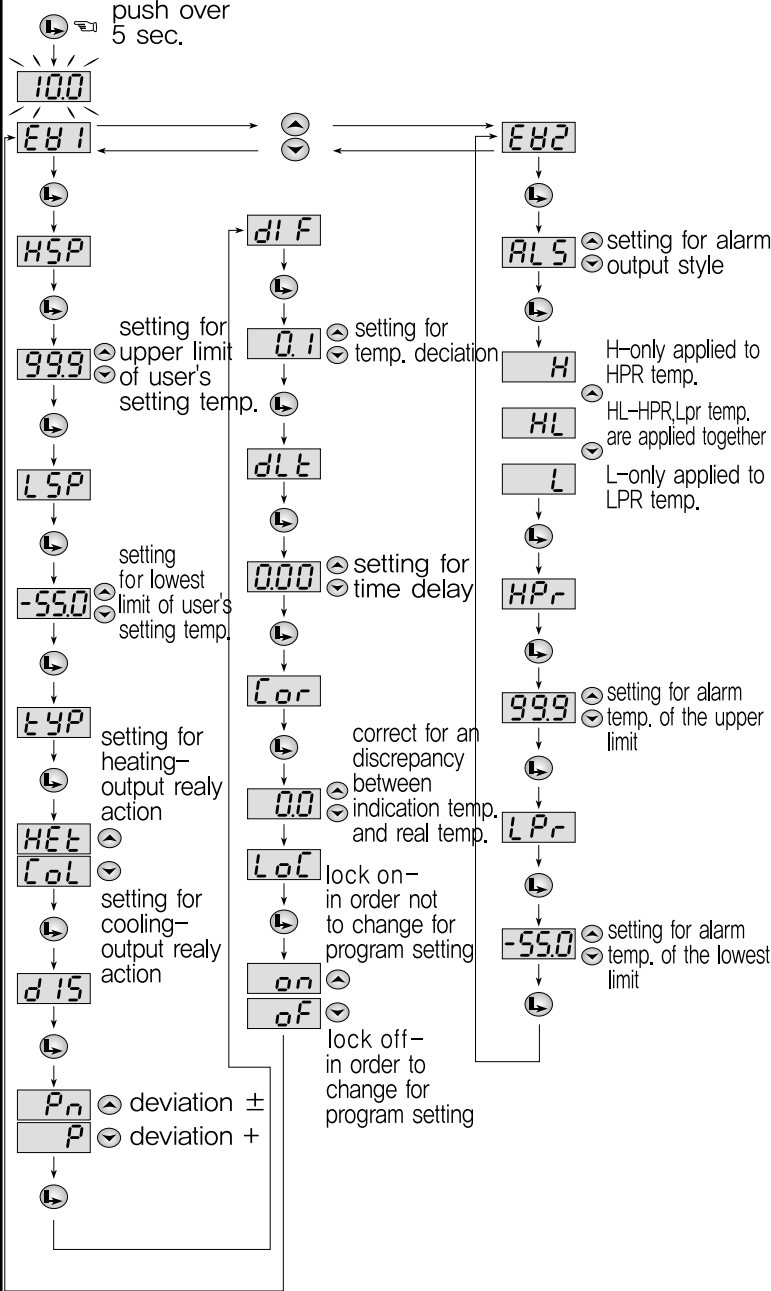
■ Connection
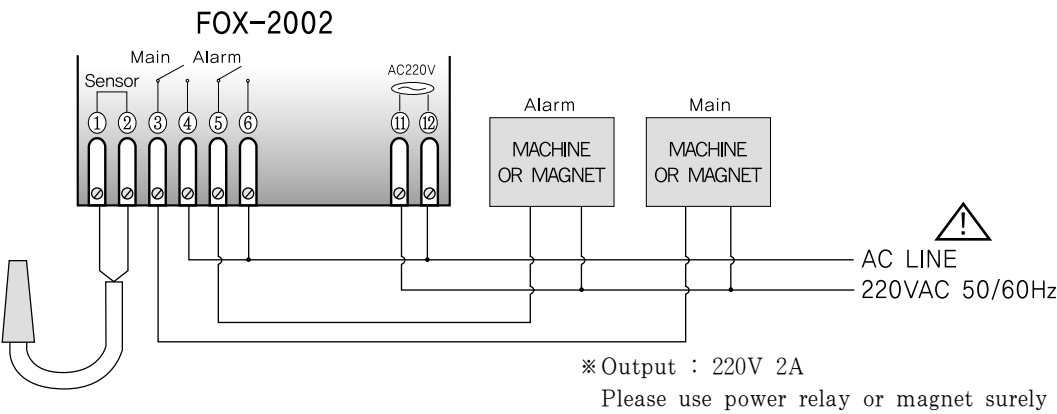
FOX-2002

⚠ AC LINE
220VAC 50/60Hz

※Output : 220V 2A
Please use power relay or magnet surely

Explanatory for auto. Temp. controller

1. Part name

Model	sensor	Temp. Range	Function
FOX-2002	NTC	-55.0°C ~ +99.9°C	temp./alarm

2. Change of User Mode & Setting for Installer Mode Function

● Change of User Mode
When ⓛ key is pushed, setting temperature is flicked.
Push ⌃⌄ key to change the setting value.
If ⓛ key is pushed again. o-난 letter is indicated and setting temperature is remembered.

● Setting for Installer Mode Function
If ⓛ key is pushed over 5second, 달 1 or 달2 letter is indicated and push ⌃⌄ key to change the 달 1,달2
As 달 1 is indicated, set in the following order: HSP(setting for the upper limit of user's setting temp.), LSP(setting for the lowest limit of user's setting temp.), TYP(function, HET-heating, COL-cooling), DIS(select for deviation style), DIF(setting for temp. deviation), DLF(setting for time delay), COR(correct for an discrepancy between indication temp. and real temp.), LOC(lock funtion. ON-setting for lock function, OF-removal for lock function)
As 달2 is indicated, set in the following order: ALS(setting for alarm output style, H-only applied to HPR temp., HL-HPR,LPR temp. are applied together, L-only applied to LPR temp.), HPR(Hi-alarm temp. setting), LPR(Low-alarm temp. setting) and setting value each mode should changed by pressing ⌃⌄ key and then press ⓛ key to move to next mode.

● Explanatory

		Function	Indication	Range	Setting value when deliver	Remarks
Setting temp.		Temp. setting		-55.0~99.9	10.0	
Setting Program	달 1	Setting for the upper limit of user's setting temp.	HSP	LSP~99.9	99.9	
		Setting for the lowest limit of user's setting temp.	LSP	-55.0~HSP	-55.0	
		Select function	tYP	COL/HET	COL	HET – heating COL – cooling
		Select for deviation style	diS	P/PN	P	PN- deviation ± P – deviation +
		Setting for temp. deviation	diF	0.1~19.9	1.0	
		Setting for time delay	dLt	0.00~9.59	0.00	(min., sec.)
		Correct for an discrepancy between indication temp. and real temp.	Cor	-15.0~15.0		
		Lock function	LoC	ON/OF	OF	ON – setting for lock function OF – removal for lock function
	달2	Setting for alarm output style	ALS	L HL H	HL	L – Low-alarm temp. LH-Low & Hi-alarm temp. H – Hi-alarm temp.
		Setting for Hi-alarm temp.	HPr	-55.0~99.9	99.9	
		Setting for Low-alarm temp.	LPr	55.0~99.9	-55.5	

Setting temperature

⌃⌄ flickering setting temp.
ⓛ change
o-난 setting confirm letter OK
25.0 present temp.

Setting for program

push over 5 sec.

setting for upper limit of user's setting temp.
setting for lowest limit of user's setting temp.
setting for heating-output realy action
setting for cooling-output realy action
Pn deviation ±
P deviation +

diF
0.1 setting for temp. deciation
dLt
0.00 setting for time delay
Cor
0.0 correct for an discrepancy between indication temp. and real temp.
LoC
on lock on- in order not to change for program setting
oF lock off- in order to change for program setting

ALS setting for alarm output style
H H-only applied to HPR temp.
HL HL-HPR,Lpr temp. are applied together
L L-only applied to LPR temp.
HPr
99.9 setting for alarm temp. of the upper limit
LPr
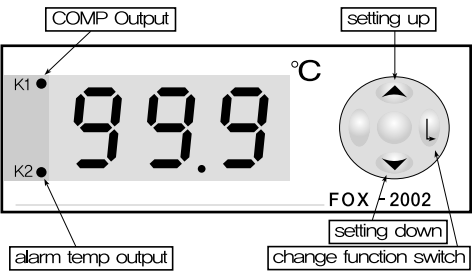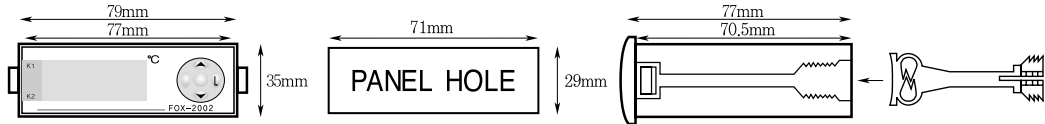-55.0 setting for alarm temp. of the lowest limit

※ After a close of all programs, if ⓛ key is pushed for 2sec., be closed after confirmation of OK letter or return at present temp. automatically after 10 sec.

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3. Dimension

79mm / 77mm / 35mm
PANEL HOLE 71mm / 29mm
77mm / 70.5mm

5. CAUTION

⚠ Warning

Pls use this item after set up safety device doubly in which is applied at dangerous equipment such as serious human injury or serious damages property & important machine because this item is not designed as safety device.

⚠ Caution

● Do not distributing wires or install the device for the occurrence of an induction load of motor solenoid.
● Please use shield wire when sensor lengthen, however do not make it too much longer.
● Please do not use the components which is occurring arks when on/off near it or same power.
● Power cable keeps away from high-voltage cable and do not install the device where water, on and dust.
● Do not install the device from direct rays of the sun & exposed a site due to rain.
● Do not install the device from strong magnet & noise vibration or shock.
● Please install the device from a great distance out of places occurring strong-alkali or strong-acidity.
● Do not sprinkle water for clean purpose when installing in the kitchen.
● Do not install the device from the places where Temp./Humi. exceed regular power.
● Please use the sensor wire without any cutting & flawing.
● Do not install the sensor wirenearby signal wire power or load and Please use self-pipe.
● Please understand you can't get any A/S service when you open or re-model it with free.
● ⚠ is the safety letter like warning, caution.
● Please do not use the device close by which occurring strong high-frequency noise (high-frequency;welding, sewing machine, wireless transmitter, SCR controller for high capacity)
● Please use this item proper method without any damage or injury.

⚠ Danger

■Caution, Danger of electric shock
● Electric shock - Do not touch AC board during on power because of eletric shock.
● Please intercept input power surely when input power check.

The way of diagnosis for breakdown

■Indicating ERROR on using items
● This 달-1 is the damage of memory data for various of inner-Data due to be get noised strongly from outside while using this items. Please request us A/S by return. Although our controller is designed as the complementary measures regarding these noise from outside, it is not endurable against these noise with endlessly.
If noise (2kv) disordering become an inflow, the inner-part will be damaged.
● When shows these letter o-E (open error) S-E (short error) Err (error) in sensor. Pls check sensor.

※ Above Products information can be changed to improve it's quality without any notification
When this products use, pls observe the information of caution & Warning due to give rise to disordering.