

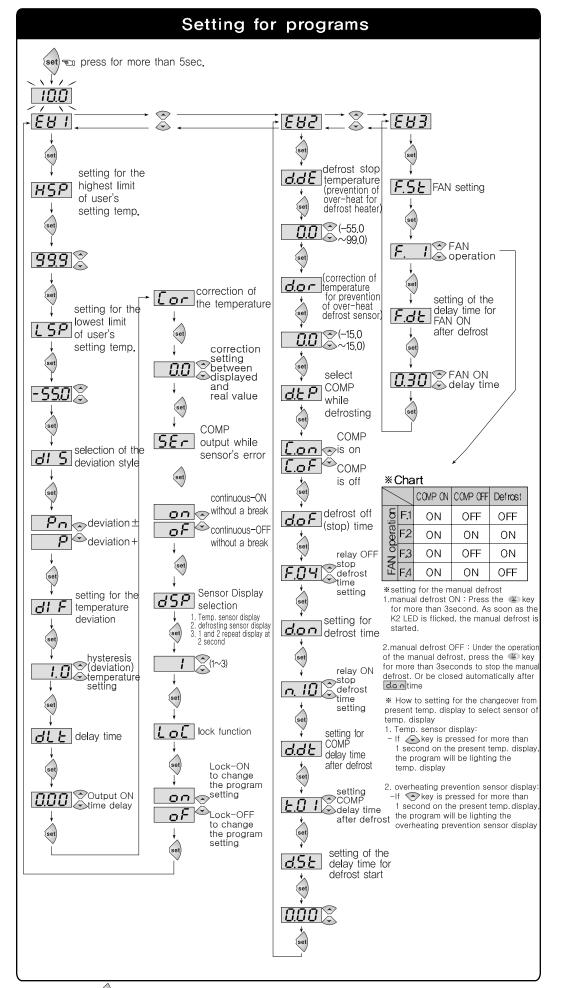
## CONOTEC CO., LTD.

## Digital Temperature Controller



## **FOX-2004**

# Setting temperature set → Setting temp. → Set → Setting 0-K → Set → 250 present temp.

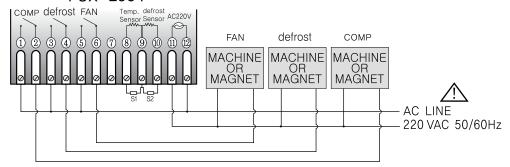


## **Operating Manual**

Model	Sensor	Temp. range	Function
FOX-2004	NTC: 2EA	-55.0℃ ~ +99.9℃	COMP control Defrost control FAN control

#### ■ Connection

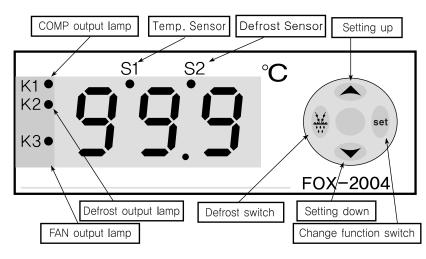
#### FOX-2004



 $\verb§\# output : 250VAC 2A$ 

Please make use of the power relay or magnet surely.

#### ■ Part Name



#### ■ Change of User Mode

When key is pushed, setting temperature is flicked.

Push key to change the setting value.

If so key is pushed again, 0-K letter is indicated and setting temperature is remembered.

### ■ Setting for Installer Mode Function

If key is pushed over 5 second, EB! or EB3 letter is indicated and push key to change the EB! EB3 EB3

As **EB!** is indicated, set in the following order:

HSP(setting for the highest limit of use) -> LSP(setting for the lowest limit of use) -> DIS (selection of the deviation style) -> DIF(temperature deviation) -> DLT(delay time) -> COR (correction of temp) -> SER(sensor's error) -> DSP(display of sensor option) -> LOCK (lock funcktion: ON - setting for the lock function, OF - removal of the lock function)

As EB2 is indicated, set in the following order:

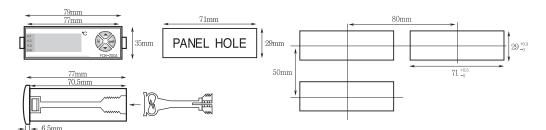
D.DE(defrost off(stop) temperature temporarily-> D.OR(correction of temperature for defrost sensor) -> D.TP(selection of the COMP while defrosting: ON-COMP ON while defrosting,OF-COMP OFF while defrosting) -> D.OF(defrost stop time) -> D.ON(defrost time) -> D.DT(delay time of the COMP after defrosting) -> D.ST(delay time of operating for defrost)

As EBB is indicated, set in the following order: F.ST(FAN setting) -> F.DT(delay time of the FAN ON after)

and setting value each mode should changed by pressing  $\ensuremath{>\!\!\!>} \ensuremath{>\!\!\!>} \ensuremath{key}$  key and then press key to next mode.

		Function	Display	Range	Set values when deliver	Remarks
Setting temp.		Setting temp.		-55.0~99.9	10.0	
	£# :	Setting for the highest limit of user	HSP	LSP~99.9	99,9	
		Setting for the lowest limit of user	150	-55.0∼HSP	-55.0	
		Selection of the deviation style	8! S	P/PN	Р	PN - deviation± P - deviation-
		Temperature deviation	33	0.1~199	1.0	
		Delay time	<u>o.</u> 7	0.00~959	0.00	(minute. second)
		Correction of temp.	9	-15.0~15.0		correct for a discrepancy between the display temp, and real temp.
		Sensor's error	ري س	ON/OF	OF	ON - RY1 ON OF - RY1 OFF
		Display of sensor option	4SP	1~3	1	Temp. sensor display     defrosting sensor display         1 and 2 repeat display at 2 secondary
		Lock functionon	LoC	ON/OFF		ON - setting for the lock function OFF - removal of the lock function
	883	Defrost stop temp.	35,0	-55.0~99.0	0.0	prevention of over-heat for defrost heater
		Correction of temperature for defrost sensor	90	-15.0~15.0	0.0	
		when defrost, select COMP	9. 9.	C.ON/C.OF	C.OF	C.ON - COMP ON while defrosting C.OF - COMP OFF while defrosting
		Defrost stop time	do do	F.01 ~F.48	F.04	hour
		Defrost time	d.on	n.01~99	n.10	minute
		Delay time of the COMP after defrosting	997	00~30	t.01	minute
		Delay time of operating for defrosting	5 5	0.00~959	0.00	second
	883	FAN setting	F.S.E	F.1~F.4	F.1	*Refer to the Chart
		Delay time of the FAN ON after defrosting	4	0.00~9.59	0.30	

#### ■ Size & Dimension



#### CAUTION

## 🛝 Warning

As this product is not manufactured as safety equipment, make sure to use this product after mounting double safety device when using it for the purpose of controlling a device having risk of personal injury, equipment damage or huge property loss.

## 

- 1. Be well acquainted with way of operation, safety regulations and warnings and make sure to use the product in accordance with the defined specification and within the related capacity.
- 2. Do not connect wiring or make installation with the motors or solenoids having big inductive load. 3. In extending the sensor, use the same wire, and do not make it long unnecessarily.
- 4. Do not use the parts to generate arc in opening and closing at the same or nearby power supply. 5. Power cable should be kept away from high-voltage cable, and should not be installed in the place of much water, oil or dust.
- 6. Do not install in the place exposed to direct sunlight or rain.
- 7. Do not install in the place exposed to strong magnetism, noise, vibration and impact.
  8. Keep away from the place where strong alkali or strong acid material is directly discharged.
  9. Do not spray water directly for cleaning when installing in the kitchen.
- 10. Do not install in the place where the temperature and humidity exceed rated range.11. Use the product not to cut the sensor line or to get flaw on it.
- and independent piping should be used for it.

  13. This product may not be serviced when disassembled and modified as you like.
- 14. The mark on the wiring diagram is the safety wording for warning or caution.
  15. Do not use near the devices which emit strong high frequency noise (High frequency welder, High frequency sewing machine, High frequency two-way radio, High capacity SCR controller).
  16. If the product is used by the way other than defined by the manufacturer, it may cause personal

12. Sensor line should be kept away from the signal line, power supply, driving power and load line,

- injury or property loss.

  17. As it is not a toy, keep out of the reach of the children.
- 18. The installation should be done by an expert or a qualified person.
- Our company does not assume any responsibility for the damage and loss caused by non
   -complying with the above warnings and cautions or through the mistakes of the consumers.



- Caution, Danger of electric shok
- Electric shork Do not touch AC board during on power because of electric shork.
- Please intercept input power surely when input power check.

#### The way of diagnosis for breakdown

- Indicating ERROR on using items
- This | E r I is the damage of memory data for various of inner-data due to be got 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 noises from outside, it is not endurable against these noises with endlessly

If noise (2kv) disordering become an inflow, the inner-part will be damaged

- o E | => Display of an open error for temperature sensor.
- © E 2 => Display of an open error for defrost sensor.
- 5 E ! => Display of a short error for temperature sensor.
- 5 E 2 => Display of a short error for defrost sensor.
- | H H I | => Temperature sensor : error display -> execeed the limit for temperature display.
- HHZ => Defrost sensor: error display -> execeed the limit for temperature display.
- LLI => Temperature sensor: error display -> below the limit for temperature display.
- L L 2 => Defrost sensor: error display -> below the limit for temperature display.
- \*The specification and dimensions provided in the instruction manual is subject to change without
- notice for product performance.
  Please be familiar with precautions necessary for handling the product.
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- Research Lab and Customer Service: 3F Customer Service Phone: +82-51-819-0425-7
- (For customer service please send the product our main office.) Direct Phone: 070-7815-8266 E-mail: conotec@conotec.co.kr

URL: www.conotec.co.kr

- \* The instrument is suitable for the following environment
- Ambient temperature: 0°C-60°C Ambient humidity: 80%Rh or below Rater Power: 100-240VAC 50/60Hz
- Main products & developments
- Digital temp./humi. controller. - Digital timer, Current/Volt meter
- Development of other product