Version 1.3(2014.11)

ISO 9001:2008

CONOTEC® Digital Temperature Controller

CONOTEC CO., LTD.

www.conotec.co.kr

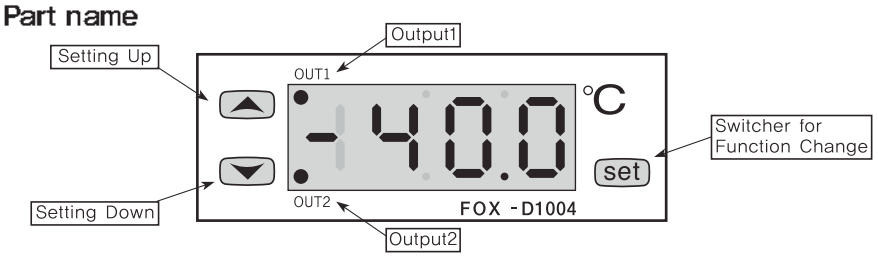
FOX-D1004

Explanatory for Auto temp. controller

Model	Temp. Range	Sensor	Output	Function
FOX-D1004	-40.0°C ~ +90.0°C	Diode	2Relay	Cooling / heating co-control

※Thank you for selecting our products.Please read carefully this instructionto reduce any damages or operation mistakes.

1. Part name



2. Changing User Mode / Installer Mode Function

- Changing User Mode

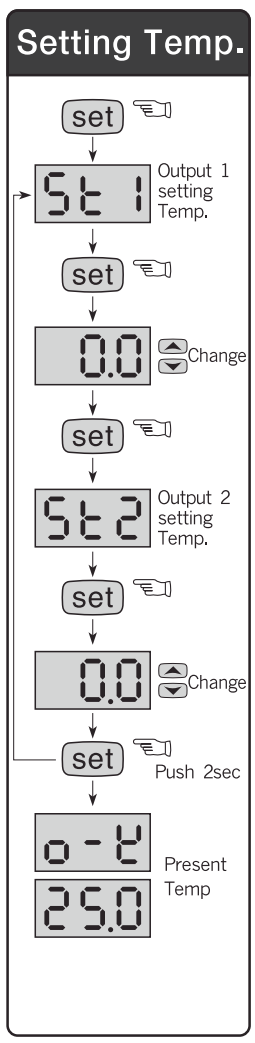
When (set) key push, showing [St1] letter, and then push the key again to be flicker the setting temperature (Output1, setting Temp) Push (▲)(▼) key to change setting value and Push (set) key again, showing [St2] letter and then push (set) key more flickering setting Temp. (Output2 setting Temp.) Push (▲)(▼) key to change setting value.

- Setting for Installer Mode Function

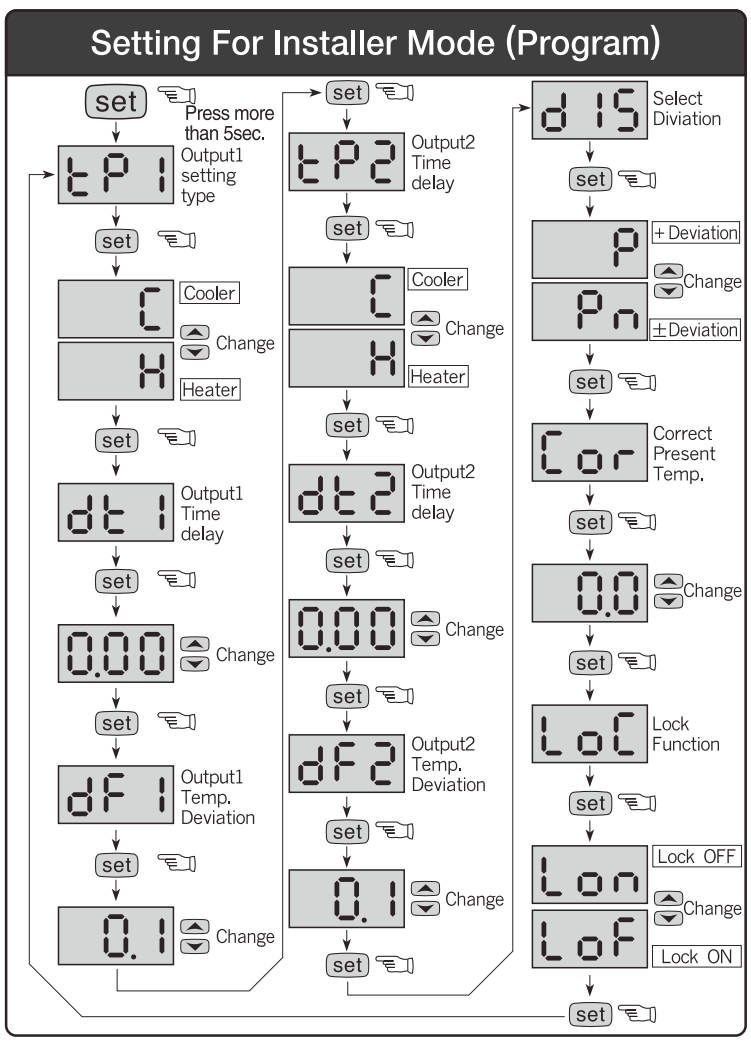
When push (set) key over 5second, set as following order TP1(Output 1 setting type), DT1(Output 1 Time delay), DF1(Output 1 Temp. Deviation), TP2(Output 1 setting type), DT2(Output 1 Time delay), DF2(Output 2 Temp. Deviation), DIS(Select deviation), COR(Correct present Temp.), LOC(Lock function) setting each mode should change (▲)(▼) key, to move next mode, push (set) key.

Function		Indication	Model FOX-D1004	Setting valte when deliver	Remarks
User setting Mode (Setting Temp.)	Output 1 setting Temp.	St1	-40.0 ~ 90.0°C	10.0	
	Output 2 setting Temp.	St2	-40.0 ~ 90.0°C	10.0	
Installer Setting Mode	Output 1 — Speed type	tP1	Cooling / Heating	C	
	Output 1 — Time delay	dt1	00.0 ~19min59sec	0.00	
	Output 1 — Temp deviation	dF1	0.1 ~ 10.0°C	0.1	
	Output 2 — Speed type	tP2	Cooling / Heating	C	
	Output 2 — Time delay	dt2	00.0 ~19min59sec	0.00	
	Output 2 — Temp deviation	dF2	0.1 ~ 10.0°C	0.1	
	Speed deviation	dIS P	+Deciation	P	
		dIS Pn	±Deviation		
	Correct present Temp.	Cor	-5.0 ~ 5.0°C	0.0	
	Lock function	LoC Lon	Lock function ON (Desire setting Temp.)	L.oF	
		LoC LoF	Lock Function OFF		

Setting Temp.

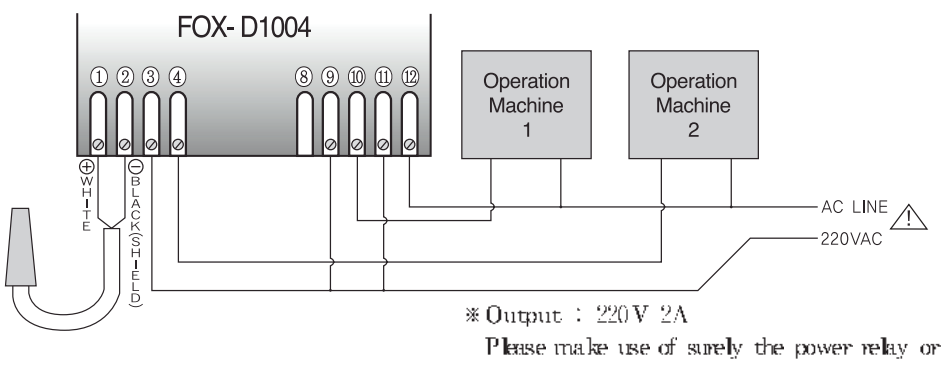


Setting For Installer Mode (Program)



※All program push (set) key one after setting off and then, be closed after confirmation of o-t letter or present temperature automatically after 10 sec.

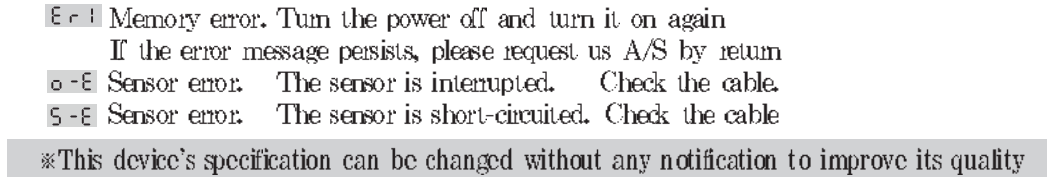
3. Connection



※Output : 220V 2A

Please make use of surely the power relay or magnet.

4. Size & Dimesion



5. Safety and Hazard Instructions

⚠ Safety

Pls use this item after installing the duplex safety device in which is applied at dangerous factors such as serious human injury or serious damages of property & important machine because this item is not designed as safety device

⚠ Safety Instruction and Hazard Warnings

Please read the operating manual through completely before putting the device into operation.
We will not assume any responsibility for damage to assets or persons caused by improper handling or failure to observe the safety instructions or hazard warnings.
For safety and licensing reasons, unauthorized conversion and/or modification of the device is not permitted.
Do not exceed the maximum permissible current - in case of higher loads, use a contactor of adequate power. Make sure that the supplied voltage matches the values specified for the instrument.
The device must be adequately protected from water and dust as per the application and must be accessible via the use of appropriate tools
The device must not be exposed to extreme temperature, sunlight, strong vibrations or high levels of humidity.
Operation or installation is not permitted under unfavorable ambient conditions such as wetness or excessive induction loads or solenoid and dust, combustible gases, vapors or solvents, especially high-frequency noise
Avoid operation or installation close to high-frequency fields such as welding devices, sewing machines, wireless transmitter, radio systems, SCR controller, etc
Do not install the sensor cable nearby signal cable, power cable, load cable
Please use the shield cable when the sensor cable's lengthen, however do not make it too much longer
Please use the sensor cable without any cutting or flaw, blemish.
The device is not a toy and should be kept away from children
Installation work must only be carried out by suitably qualified personnd who are familiar with the hazards involved and with the relevant regulations.
You shouldn't tinker with anything or the product may not be opened or disassembled unless you know what you're doing. Please ask us about this questioning

⚠ Danger

Attention ! Never work on electrical connections when the machine is switched on

Error message

Er1 Memory error. Turn the power off and turn it on again
If the error message persists, please request us A/S by return
o-E Sensor error. The sensor is interrupted. Check the cable.
S-E Sensor error. The sensor is short-circuited. Check the cable

※This device's specification can be changed without any notification to improve its quality

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※This device works proper operation with;
Surrounding Temp. : 0°C~60°C
Surrounding Humi. : below 80%RH
Regular power : 220VAC