

CONOTEC[®]

CONOTEC CO., LTD.
FOX-300SERIES

Digital Temperature
Controller

www.conotec.co.kr

User's Manual



1 Safety Precautions

Be sure to read cautions before use for correct use.

- ※ The specifications and exterior sizes described in this manual may be subject to change for improving product capacity.

⚠ Safety Precautions

- 1.This product was not manufactured as a safety device. Therefore, in case of using it as a controller such as for a device that may cause casualty, serious damage to peripheral devices, and tremendous loss of property, be sure to attach double safety devices.
- 2.Do not wire or inspect or repair while power is on.
- 3.In case of supplying power, be sure to check a terminal number for connection.
- 4.This device should not be disassembled, processed, improved, or repaired.

⚠ Caution

- Before the installation of this device, understand fully how to use, safety regulations or warnings, and be sure to use within specified related specifications or related capacities.
- Do not wire or install it for a motor or solenoid with great inductive load.
- During the extension of a sensor, use a shielding wire, and do not make it unnecessarily longer.
- Do not use the same power supply or any part that generates arc during closing or opening directly near the power supply.
- A power line should be far apart from a high-tension wire, and the device should not be installed in a place containing much water, oil, or dust.
- Do not install it in a place under direct light or exposed to rain.
- Do not install it in a place with strong magnetism or noise or vibration or impact.
- Put it far apart from a place that may release strongly alkaline or strongly acidic substance, and use an independent pipe.
- Do not spray water directly on it for cleaning in case of installing it in the kitchen.
- Do not install it in a place where temperature/humidity exceeds rating.
- Take caution not to break a sensor wire or make any scratch.
- A sensor wire should be away from a signal line, power, and load line, and use an independent pipe.
- In case of disassembling or modifying this product voluntarily, it may not be applied with warranty service.
- A ⚠ mark on the terminal circuit diagram is a safety mark as warning or caution.
- Do not use it near any device (harmonics welder, harmonics, harmonics radio, and large capacity SCR controller) that generates strong harmonics noise.
- In case of using it with any other method than one designated by a manufacturer, injury or loss of properties may occur.
- As it is not a toy, keep out of the reach of children.
- Installation must be done by a relevant professional or a qualified person.
- Our company shall not be responsible for any damage caused by failing to observe the contents specified in the above warnings or cautions or by the fault of a consumer.

⚠ Danger

■ Caution, risk of electric shock

- Electric Shock - Do not contact with AC terminal during current carrying. This may cause electric shock.
- Input power must be blocked when checking input power.

2 Models

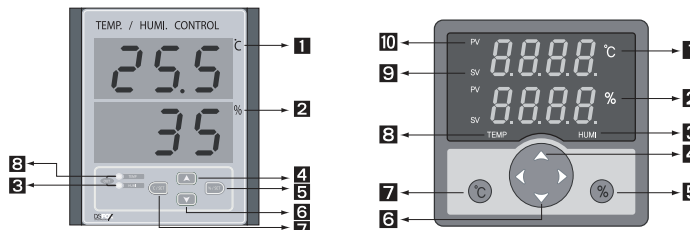
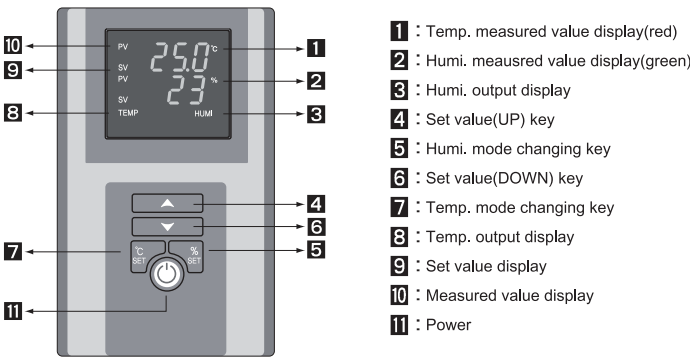
Model	Sensor	Range	Dimension	Function
FOX-300JSHR	SHT11	-29 ~ 99.9℃ 0.0 ~ 99.9%	W194 x H241mm	Temp./Humi. control RS485
FOX-300-2S	SH-104	-29.9 ~ 99.9℃ 0 ~ 100%	W72 x H72mm	
FOX-300A-1	HCPV-220NH	-40.0 ~ 65.0℃ 10 ~ 95%	W72 x H72mm	Temp./Humi. control
FOX-300AR1				
FOX-300JR1			W194 x H241mm	Temp./Humi. control RS485
FOX-8300R1			W94 x H150mm	

※ FOX-300 series model

The sensor HCPV-220NH (Temp./Humi) is replaceable with Temp. : FS-200N(NTC10K)
Humi. : HCPV-220

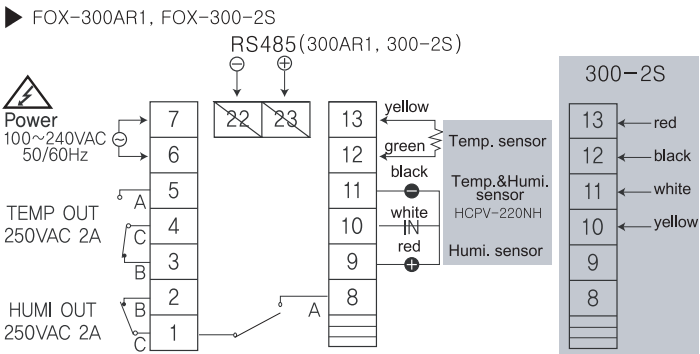
Temp. & Humi. ranges are also available upto -55.0℃ ~ 99.9℃
10 ~ 95%

3 Name of each parts

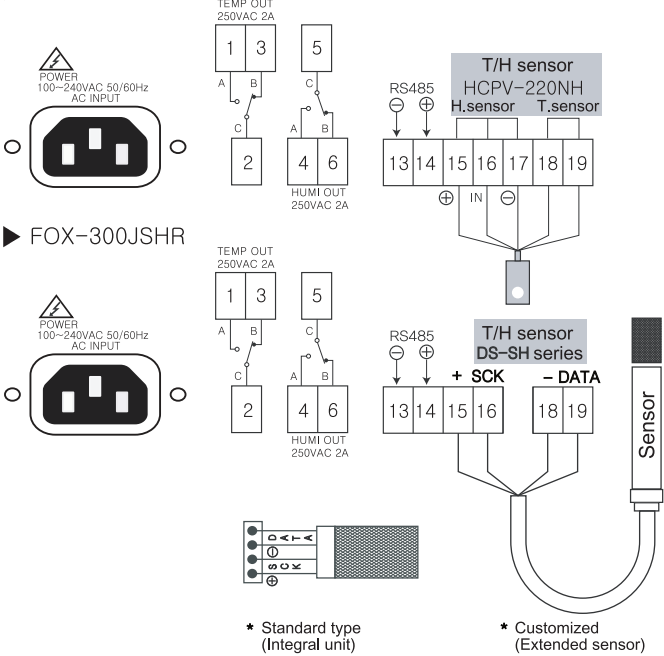


4 Wiring terminal

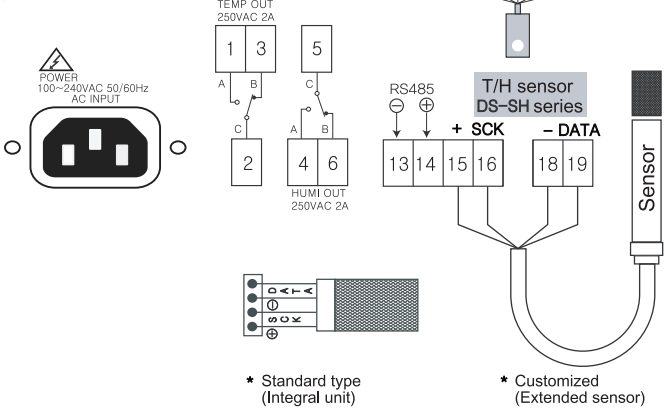
Output : 250VAC 2A
Please make sure to use the power relay or a suitable magnet .



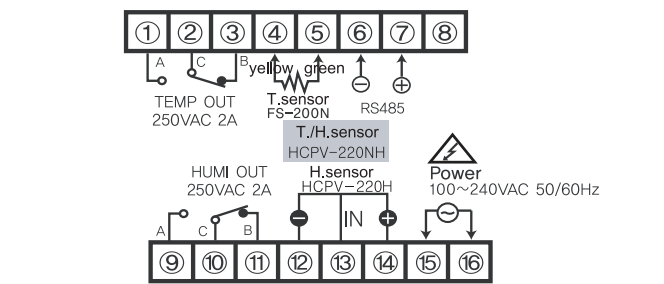
► FOX-300JR1



► FOX-300JSHR

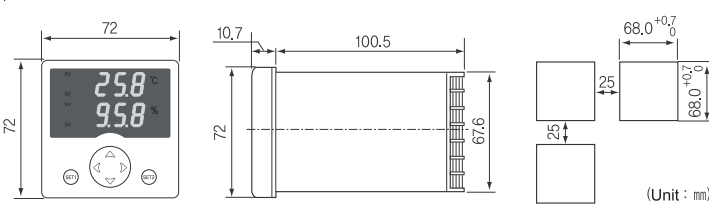


► FOX-8300R1

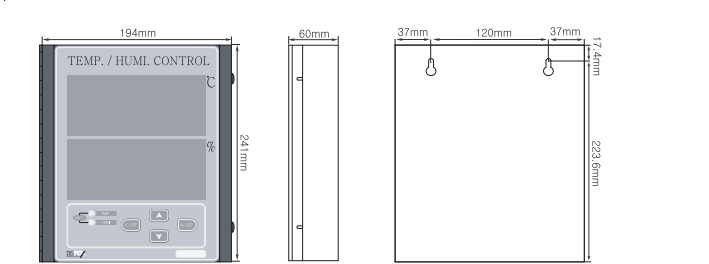


5 Product exterior dimension

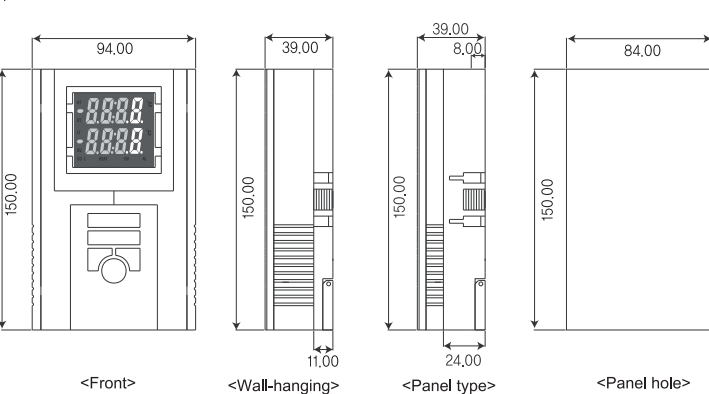
► FOX-300AR1, FOX-300-2S(72x72x110mm)



► FOX-300JR1(194x241x60mm)

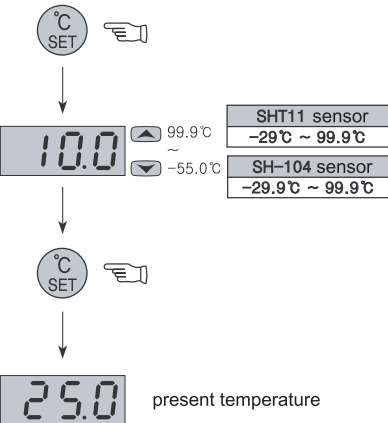


► FOX-8300R1(94x150x39mm)



6 Temperature

Setting for temperature



Setting for temperature programs

