

REGULATING

Thermostat, Hygrostat



JTO 011:

Thermostat (Normally Closed): Commonly used to connect heaters and disconnect the circuit when the temperature reaches the set value.

JTS 011:

Thermostat (Normally Open): Commonly used to monitor filter fans, heat exchangers, or close circuit output signals when the temperature exceeds the set value.

- Small and compact
- Long electrical life
- Easy to install with 35mm DIN rail
- High switching performance
- Convenient wiring and simple setup
- Small size



JTO 011

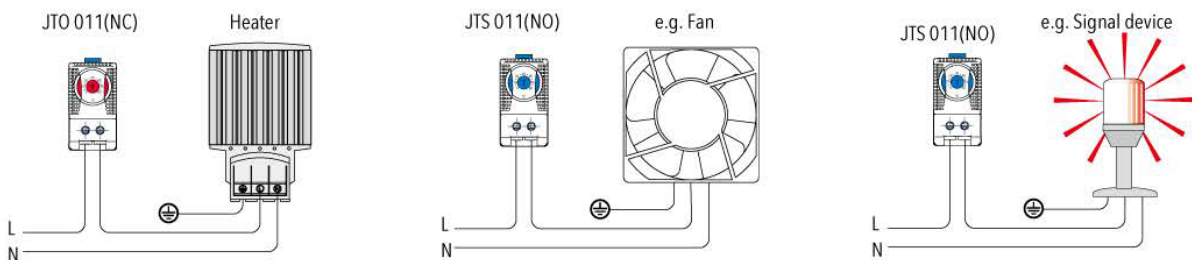
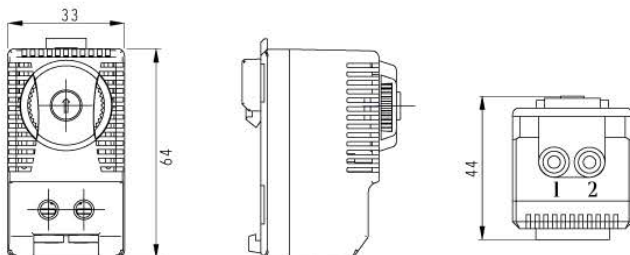
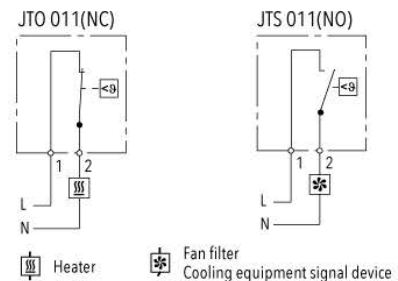
JTS 011

IP20
CE

-20 ~ +80
°C

SPECIFICATION

| Model | JTO 011 | JTS 011 |
|----------------------------------|---|---------|
| Contact | NC | NO |
| Temperature | 0~60°C | |
| Switching temperature difference | 7k (± 4k tolerance) | |
| Sensing element | Bimetallic temperature sensing material | |
| Service life | >100000 cycles | |
| Maximum switching load | 250VAC, 10A, 120VAC, 15A, DC15A | |
| Connection method | Screw Terminal | |
| Shell | UL94-V-0 | |
| Install | Installation of 35mm din rail | |
| Size | 64x33x44mm | |
| Weight | 40g | |


Connection Example

DIMENSION (mm)

WIRING DIAGRAM


KTO 011:

Thermostat (Normally Closed): Commonly used to connect heaters and disconnect the circuit when the temperature reaches the set value.

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KTO 011



KTS 011

IP20

CE

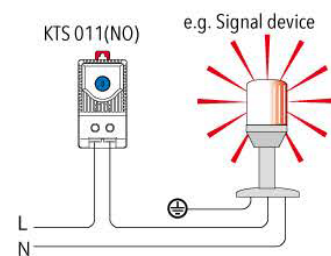
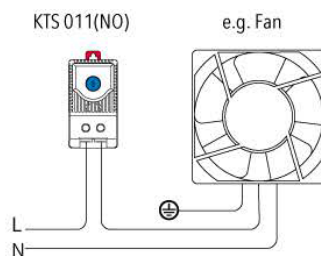
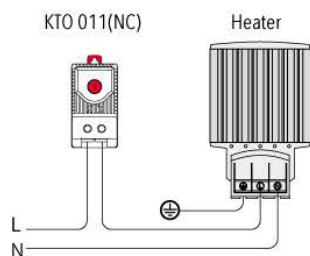
-20 ~ +80
°C

SPECIFICATION

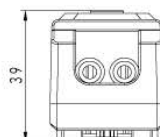
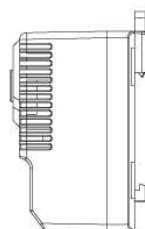
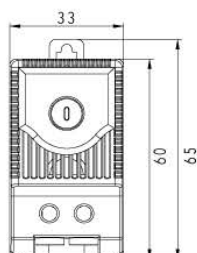
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|----------------------------------|---|---------|
| Contact | NC | NO |
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| Sensing element | Bimetallic temperature sensing material | |
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| Maximum switching load | 250VAC, 10A, 120VAC, 15A, DC15A | |
| Connection method | Screw Terminal | |
| Shell | UL94-V-0 | |
| Install | Installation of 35mm din rail | |
| Size | 64x33x44mm | |
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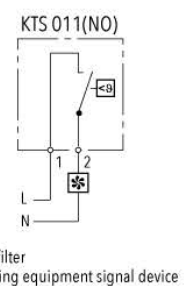
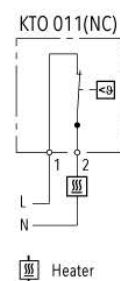
Connection Example



DIMENSION (mm)



WIRING DIAGRAM



A temperature controller with two temperature settings

• **Normally open contact:** commonly used to monitor filter fans, heat exchangers, or close circuit output signals when the temperature exceeds the set value.

• **Normally closed contact:** commonly used to connect heaters and disconnect the circuit when the temperature reaches the set value.

The heater and refrigeration equipment can be independently switched to avoid temperature deviation caused by traditional switching.

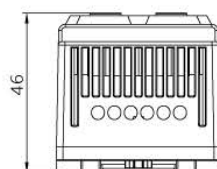
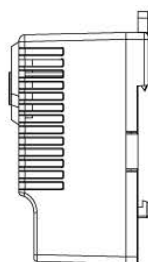
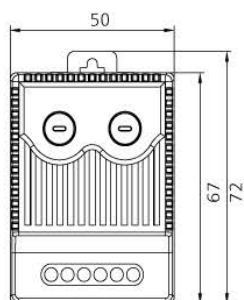
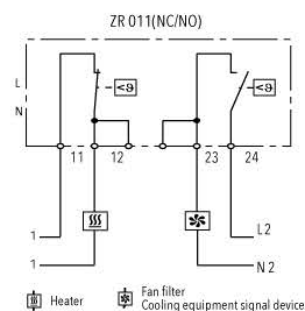
- Wide setting range
- NO and NC integrated together
- Bimetallic temperature sensing material
- Easy to install with 35mm DIN rail
- High switching performance
- Independent temperature setting


IP20
CE

-20 +80
°C

SPECIFICATION

| Model | ZR 011 |
|----------------------------------|---|
| Contact | NC+NO |
| Temperature | 0~60°C |
| Switching temperature difference | 7k (± 4k tolerance) |
| Sensing element | Bimetallic temperature sensing material |
| Service life | >100000 cycles |
| Maximum switching load | 250VAC, 10A, 120VAC, 15A, DC15A |
| Connection method | Screw Terminal |
| Shell | UL94-V-0 |
| Install | Installation of 35mm din rail |
| Size | 67x50x46mm |
| Weight | 88g |


DIMENSION (mm)

WIRING DIAGRAM


Features:

Four working modes are optional, and the ambient temperature and humidity thresholds can be set.

- Capacitive humidity sensor, low power consumption, stable performance;
- Passive relay output, can be used to drive cooling fan, TEC, heating wire and other devices;
- The working status of the relay is indicated by the LED indicator;
- Working power supply voltage AC 85-240V;
- Ultra small size, only 18mm width, 35mm card rail installation;
- Used to control the temperature and humidity range of power distribution cabinets.



SPECIFICATION

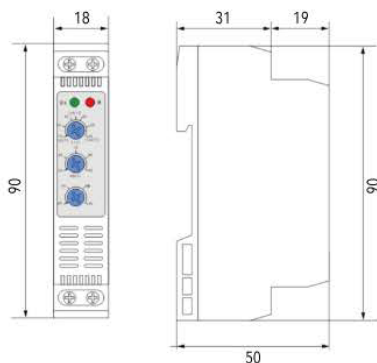
| Model | KTEMF012 |
|---------------------|--|
| Dimensions | 90x18x50mm |
| Voltage | AC 100-240V 50/60Hz |
| Power | 1W |
| Weight | 65g |
| Power terminal | A1-A2 |
| Temperature range | 10°C~60°C |
| Humidity range | 50%~90%RH |
| Working temperature | -20°C~+80°C |
| Installation mode | 35mm din rail |
| Connection | 1*2.5mm ² / 2*1.5mm ² 0.4N·m |

IP20

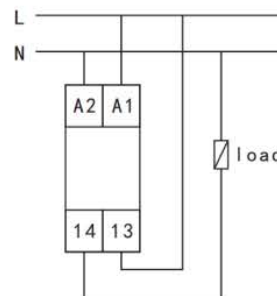
CE

-20 +80
°C

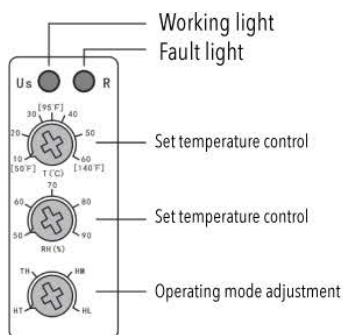
DIMENSION (mm)



WIRING DIAGRAM



PANEL DIAGRAM



Control heater-

When the temperature inside the cabinet is lower than the minimum set value, close the circuit to increase temperature; When the temperature exceeds the set value, Disconnect the line.

Control fan filter-

When the temperature inside the cabinet exceeds the maximum set value, close the circuit to cool down; When the temperature is below the set value, Disconnect the line.

- Small and compact
- Long electrical life
- Easy to install with 35mm DIN rail
- Jump type metal temperature sensing contact
- Convenient wiring and simple setup,
- Wide setting range

Outline Drawing

Alarm output contact, passive contact, AC 250V 5A

NC normally open, closed when dehumidification function fails

Definition of dehumidification function failure: Temperature or humidity sensor failure;

The dehumidifier operates continuously for 24 hours,

The relative humidity is still not less than 80%



IP20

CE

-30 ~ +70
°C

SPECIFICATION

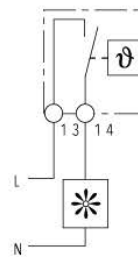
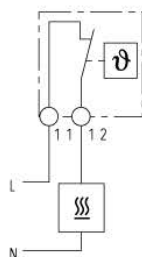
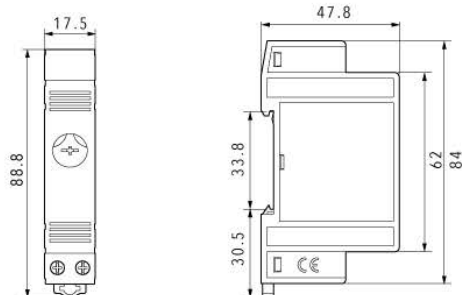
| Model | KNC 011 | KNO 011 |
|----------------------------------|---|---------|
| Contact | NC | NO |
| Temperature | 0~60°C | |
| Switching temperature difference | 7k(± 4k tolerance) | |
| Sensing element | Bimetallic temperature sensing material | |
| Service life | >100000 cycles | |
| Maximum switching load | 250VAC, 10A, 120VAC, 15A, DC15A | |
| Connection method | Screw Terminal | |
| Shell | UL94-V-0 | |
| Install | Installation of 35mm din rail | |
| Size | 84x17.5x47.8mm | |
| Weight | 40 g | |



DIMENSION (mm)

HEATING CONTROL

VENTILATION CONTROL



Panel Thermo-Hygrostat

- Compact design
- Electronic control
- LED status indication contact ON
- 35 mm rail (EN 60715) mount



IP20

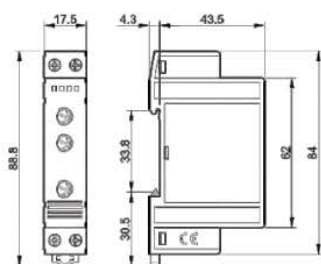
CE

-20 +80
°C**SPECIFICATION**

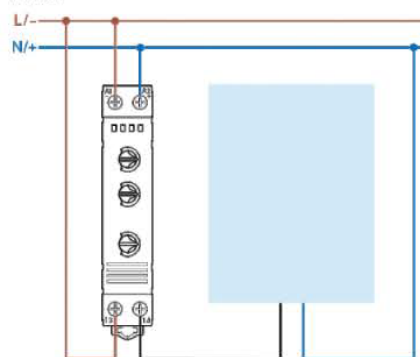
| Model | KNMF012 |
|---|----------------|
| Contact | NO |
| Rated current/Maximum peak current | 10/15A |
| Rated voltage/Maximum switching voltage | 250/400V AC |
| Service life | >100000 cycles |
| Size | 89x17.5x48mm |
| Temperature specifications | |
| Setting range (ventilation) | -20~+80°C |
| Switch differential | 4 ± 2K |
| Setting accuracy full range | -1...+3K |
| Humidity specifications | |
| Setting range (humidity) | 50...90% |
| Hysteresis | 4 ± 2% |
| Setting accuracy | 5% |

DIMENSION (mm)

Screw terminal

**WIRING DIAGRAM**

P7T.51



Especially suitable for controlling filter fans, heaters, and heat exchangers,
As a signal generator, this temperature regulator is also suitable for monitoring the internal temperature of the control cabinet.

- Small and compact
- Easy to install with 35mm DIN rail
- Convenient wiring, terminal wiring method
- Wide voltage range
- Dynamic heating, high temperature limitation
- Long service life

Performance

Bi-metal controller as a temperature sensitive element with thermal feedback

Contact population: Single-pole change-over contact as a quick-break contact

Voltage scope is wide, any type could be used from 24- 230 V

Time-saving connection terminal block could be installed screw from outside

Easy installation, could be installed to 35mm din rail vertically or horizontally according to EN50 022 it could be clipped to TS/35 cabinet profile with its accessory adapter.



IP20

CE

-20 +80
°C

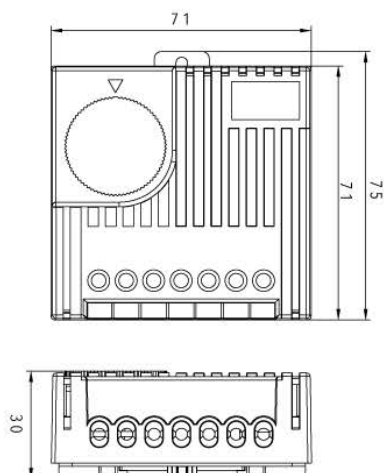
SPECIFICATION

| Temperature measurement range | -20~80 °C | |
|-------------------------------|---|---------------------------|
| Rated working voltage | 230/115/60/48/24V (AC) 60/48/24V (DC) | |
| Temperature sensing element | Bimetallic temperature sensing material | |
| Size | 71x71x33.5mm | |
| Weight | About 105g | |
| Switch difference | Approximately 1K ± 0.8K | |
| Permissible contact load | K1.5-3 (heating) | K1.5-4 (cooling) |
| (1)=inductive load | Communication 10 (4) 1) A, | Communication 5 (4) 1) A, |
| At cos φ = at 0.6 hours | DC=30W | DC=30W |

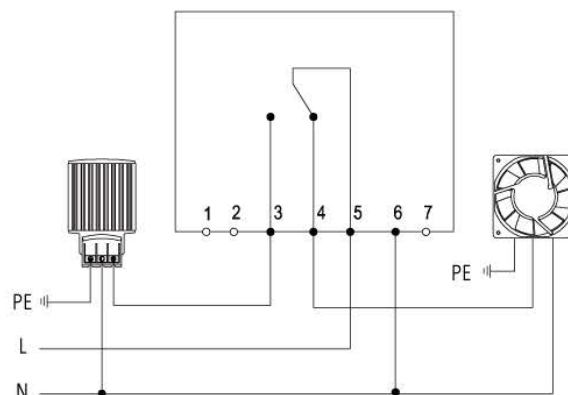
TERMINAL NUMBER

| 3 | 4 | (1) L | (L2*) 250V N |
|---|---|-------|--------------|
| | | | |

DIMENSION (mm)



WIRING DIAGRAM





IP20

CE

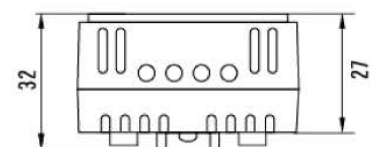
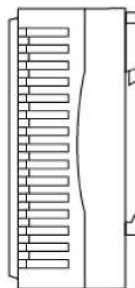
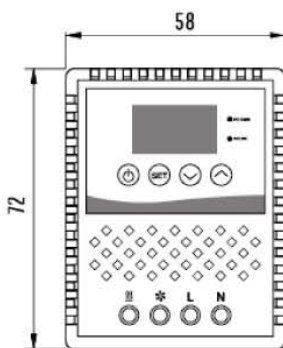
-20 +80
°C

SPECIFICATION

| | |
|----------------------------------|-------------------------------|
| Model | THR011 |
| Contact | NC+NO |
| Voltage | 230VAC |
| Temperature | -20~80°C |
| Switching temperature difference | 7k(± 4k tolerance) |
| Sensing element | Electronic components |
| Service life | >100000 cycles |
| Maximum switching load | 250VAC, 5A |
| Connection method | Screw Terminal |
| Shell | UL94-V-0 |
| Install | Installation of 35mm din rail |
| Size | 72X58X32mm |
| Weight | 65g |



DIMENSION (mm)



Controlling

Working principle: By adjusting the range knob, the working range of the humidifier is determined, and the humidity sensor detects it. When the actual humidity value in the air is less than the set value, the output power is supplied. When the actual value is greater than the set value, the output power is cut off. To prevent the load from frequently turning on at the set point, this product increases by 5% to 10% afterwards, work again.

Load selection: The product can choose different sizes and types of loads according to customer requirements.

- 35% to 95% adjustable relative humidity
- Easy to install with 35mm DIN rail
- High switching performance
- Long service life
- Three contact conversion



SPECIFICATION

| Switching error | 4% relative humidity ($\pm 3\%$ tolerance) |
|----------------------------|--|
| Relative humidity range | 35%~95% |
| Allowable wind speed | 15m/sec |
| Contactor type | Conversion contact |
| Contactor resistance | $< 10m\ \Omega$ |
| Service life | > 50000 cycles |
| Minimum switching capacity | 20VAC/DC 100mA |
| Maximum switching load | 250VAC, 5 (1)A, DC 20W |
| Connection method | 3-pole wiring terminal, maximum clamping torque 0.5Nm: 2.5mm ² for steel wire, 1.5mm ² for multi-stranded glued wire (end) |
| Shell | UL94 V-0 plastic, light gray, |
| Install | Installation of 35mm DIN rail |
| Size | 67x50x38mm |
| Weight | 60g |
| Protection level | IP20 |

| Model | Set Range |
|---------|-----------|
| MFR 012 | 35~95% RH |

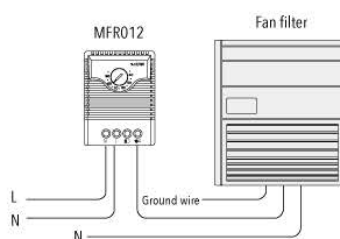
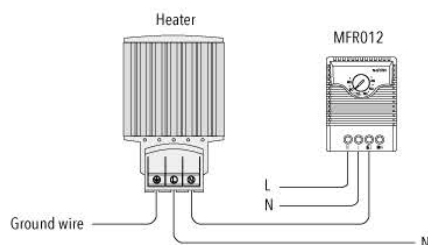
IP20

CE

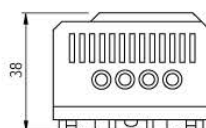
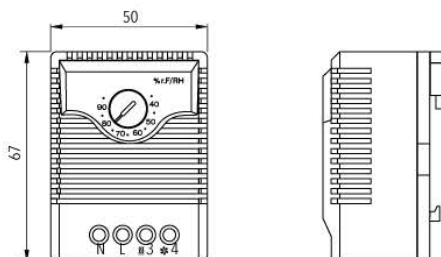
-20 +80
°C



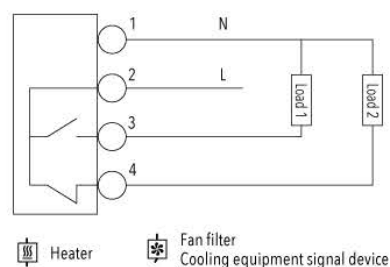
CONNECTION EXAMPLE



DIMENSION (mm)



WIRING DIAGRAM



The humidistat MFR 012-2 is designed to control the heater in the switch box, which is wet when the humidity exceeds 65%. Gas will be expelled, and this method can effectively prevent water droplets and rust.

- Adjustable relative humidity
- Transition contact
- High conversion capacity
- Easy access
- Rail clamp
- Long service life



SPECIFICATION

| Switching error | 4% relative humidity ($\pm 3\%$ tolerance) |
|-------------------------------|--|
| Relative humidity range | 35%~95% |
| Allowable wind speed | 15m/sec |
| Contactor type | Conversion contact |
| Contactor resistance | $< 10\text{m}\Omega$ |
| Service life | > 50000 cycles |
| Minimum switching capacity | 20VAC/DC 100mA |
| Maximum switching load | 250VAC, 5 (1)A, DC 20W |
| Connection method | Screw terminal |
| Shell | UL94 V-0 plastic, light gray, |
| Install | Installation of 35mm DIN rail |
| Size | 67x50x38mm |
| Weight | 60g |
| Operating/storage temperature | 0~+60°C (+32~+140 ° F)/-20~+80°C (-4~+176 ° F) |
| Protection level | IP20 |

IP20

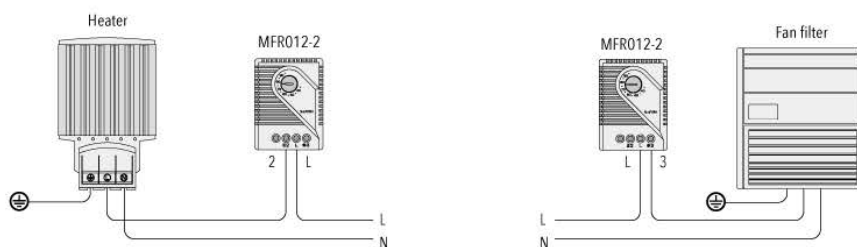
CE

-20 ~ +80 °C

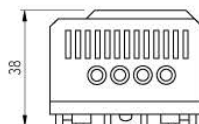
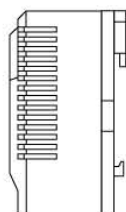
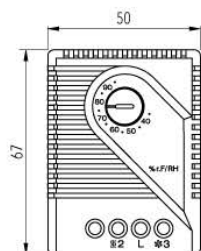


| Model | Set Range |
|-----------|-----------|
| MFR 012-2 | 35~95% RH |

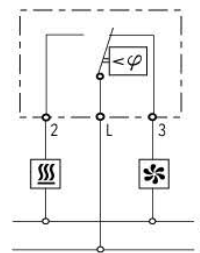
CONNECTION EXAMPLE



DIMENSION (mm)



WIRING DIAGRAM



Heater

Fan filter
Cooling equipment signal device

The electronic humidity controller can sense the relative humidity inside the electrical box and turn on the heater at the set point to prevent the formation of water droplets inside the box. The LED screen at the adjustment knob will light up when the heater is working.

- Adjustable and preset relative humidity
- Optional working display (LED)
- High switching performance
- Easy to install with 35mm DIN rail
- Temperature compensation
- Long service life



SPECIFICATION

| Switch differences | 5% relative humidity ($\pm 1\%$ tolerance) at 25 °C / 77 ° F (50% relative humidity) | |
|---|---|--|
| Reaction time | About 5 seconds | |
| Contact method | Switching contact (relay) | |
| Service life | >50000 cycles | |
| Maximum switching capacity (relay output) | 240VAC, 8 (1.6) A: 120VAC, 8 (1.6) A: 24VDC, 4A | |
| Electromagnetic compatibility | Complies with EU standards EN 55014-1-2, EN 61000-3-2, EN 61000-3-3 | |
| Optical indicator | LED | |
| Connection method | Screw terminal | |
| Install | 35mm DIN rail clamp (EN50022) | |
| Shell | UL94 V-0 light gray plastic | |
| Weight | About 70g | |
| Fixed position | Vertical installation | |
| Applicable temperature | 0~+60°C (+32~+140 ° F) / -20~+80°C (-4~+158 ° F) | |
| Protection level | IP20 | |

| Model | Working voltage | Setting Range |
|------------|------------------|---------------|
| 01245.0-00 | 230v ac, 50/60hz | 40 ~ 90% RH |
| 01246.9-00 | 120v ac, 50/60hz | 40 ~ 90% RH |

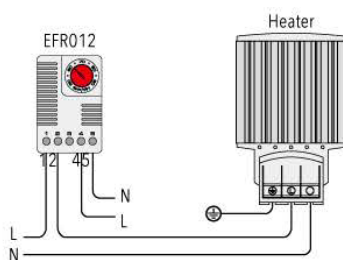
IP20

CE

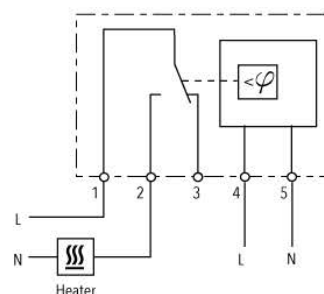
-20 +80 °C



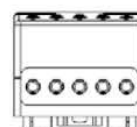
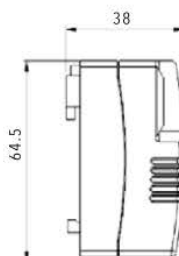
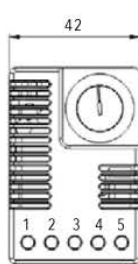
CONNECTION EXAMPLE



WIRING DIAGRAM



DIMENSION (mm)



Used to control heating and cooling equipment, filter fans, or signal devices. During operation, the LED screen will On (e.g. heater working).

- Adjustable and preset relative humidity
- Optional working display (LED)
- High switching performance
- Easy to install with 35mm DIN rail
- Temperature compensation
- Long service life



SPECIFICATION

| Switch differences | 5% relative humidity (± 1% tolerance) at 25 °C / 77 ° F (50% relative humidity) |
|---|---|
| Sensor element | NTC |
| Reaction time | 5 seconds |
| Contact method | Conversion contact (relay) |
| Service life | >50000 cycles |
| Maximum switching capacity (relay output) | 240V AC, 8 (1.6) A 120V AC, 8 (1.6) A` 100WDC at 24V DC |
| Maximum inrush current | 16AAC in 10 seconds |
| Optical indicator | LED |
| Connection method | Screw terminal |
| Install | 35mm DIN rail clamp, compliant with EU EN60715 standard |
| Shell | Light gray plastic, symbol UL 94 V-0 standard |
| Size | 64.5x42x38mm |
| Weight | About 70g |
| Installation position | Vertical |
| Operating/Storage Temperature | -20~+80°C (-40~+185°F) |
| Operating/Storage Humidity | Maximum humidity 90% (non condensing) |

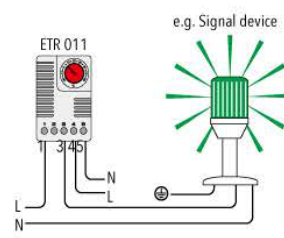
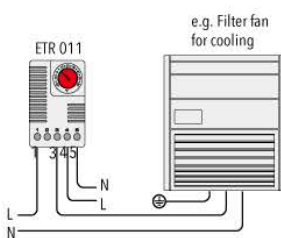
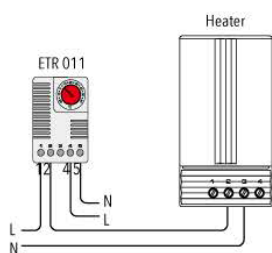
IP20

CE

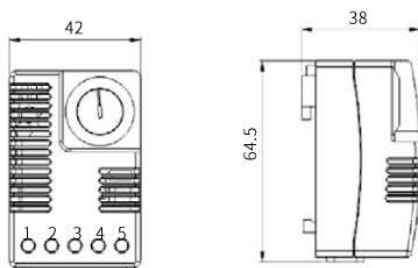


| Model | Working voltage | Setting Range |
|------------|------------------|---------------|
| 01131.0-00 | 230V AC, 50/60Hz | -20~60°C |

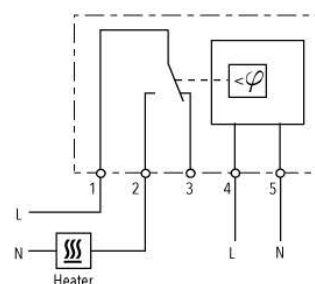
CONNECTION EXAMPLE



DIMENSION (mm)



WIRING DIAGRAM



KTOMF012 humidity controller+temperature controller (heating)
KTSMF012 humidity controller+temperature controller (refrigeration)

- Integrated temperature and humidity control
- With work indicator light
- Miniaturization suitable for various applications
- Stable and reliable long-term work
- Easy to install with 35mm DIN rail
- ROHS compliant

Advantage

- Integrated temperature and humidity control, with AC input and output for easy use
- Equipped with a work indicator light for easy identification of whether it is working properly
- Miniaturization suitable for various applications
- Stable and reliable long-term work
- Complies with ROHS standards

Performance:

- Temperature control: Reach the set temperature point automatic power off, $\pm 1 \sim 3^{\circ}\text{C}$
- Humidity control: Reach the set humidity point automatic power off, 5%-10%RH return difference value-
- Power supply: AC220V (other voltage optional)
- Power consumption: about MAX 46mA
- Working range: temperature $-10 \sim +50^{\circ}\text{C}$; Humidity 40-90%RH
- Storage conditions: temperature $-20 \sim +60^{\circ}\text{C}$; Humidity 20-95%RH
- Temperature sensitive element: bimetal sensor
- Temperature sensitive element: bimetal sensor



KTOMF012

KTSMF012

IP20

CE

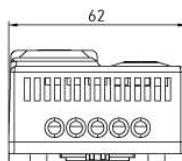
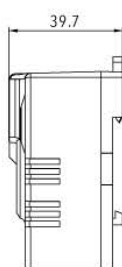
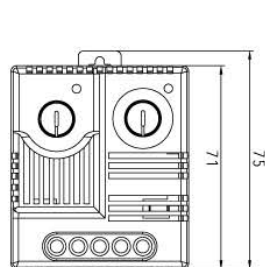
RoHS
COMPLIANT

$-20 \sim +80$
 $^{\circ}\text{C}$

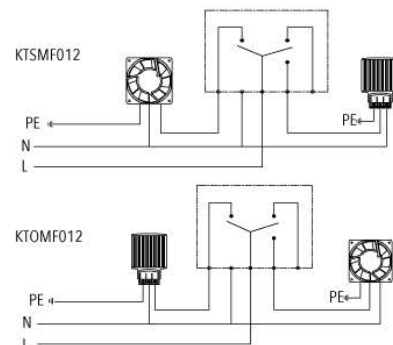
SPECIFICATION

| | |
|-------------------------------------|---|
| Switching temperature error | 7k(± 4 k) |
| Switching humidity error | 4% relative humidity, $\pm 3\%$ error |
| Temperature control sensor | Bimetallic temperature sensitive material |
| Relative humidity range | 35% - 95% |
| Temperature controlled contact form | Jump contact point |
| Humidity contact form | Transfer contact |
| Service life | 750,000 cycles |
| Minimum switching capacity | 110VAC/DC 100mA |
| Maximum switching capacity | 240VAC 5(1)A DC30W |
| Electrical connection | Screw terminal |
| Install | 35mm DN guide rail installation |
| Shell | Flame retardant UL94V-0 plastic, light gray RAL7035 |
| Dimension | 70 x 63 x 40mm |
| Weight | 90g |
| Fixed position | Above cabinet |
| Operating temperature | $0 \sim +60^{\circ}\text{C}$ ($+32 \sim +140^{\circ}\text{F}$) |
| Storage temperature | $-20 \sim +80^{\circ}\text{C}$ ($-4 \sim +176^{\circ}\text{F}$) |
| Class of protection | IP20 |

DIMENSION (mm)



WIRING DIAGRAM



Performance:

The electronic humidity controller can sense the temperature and relative humidity inside the electrical box and turn on the heater at the set point (or replace with a fan) to prevent the generation of water droplets inside the box, and adjust the LED at the knob when the connecting device is working. The screen will light up.

- Temperature and humidity adjustable
- Easy to install with 35mm DIN rail
- Optical operating display (LED)
- High switching capacity
- Long service life

**SPECIFICATION**

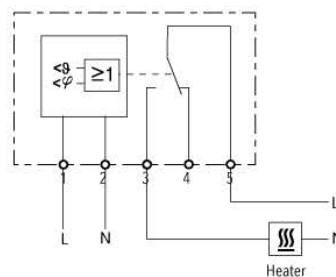
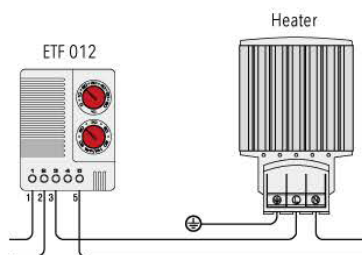
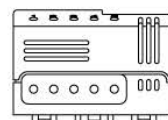
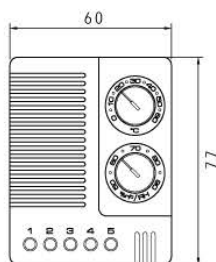
| Switching differences (temperature) | 2K(±1% tolerance) at 25 °C/77°F (50% relative humidity) |
|---|--|
| Switching differences (humidity) | 4% relative humidity (±1% tolerance) at 25 °C/77°F (50% relative humidity) |
| Reaction time (humidity) | About 5 seconds |
| Contact method | Switching contact (relay) |
| Contact impedance | <10m Ω |
| Service life | NC: >50000 cycles NO: >100000 cycles |
| Maximum switching capacity (relay output) | NC: 240VAC, 6(1)A NO: 240VAC, 8(1.6)A, NC: 120VAC, 6(1)A NO: 120VAC, 8(1.6)A 24VDC, 4A |
| Electromagnetic compatibility | Acc.to EN 55014-1-2, EN 61000-3-2, EN 61000-3-3 |
| Optical indicator | LED |
| Connection method | 5-pole terminal |
| Install | 35mm DIN rail clamp (EN50022) |
| Shell | UL94 V-0 light gray plastic |
| Size | 77x60x43mm |
| Weight | About 0.20kg |
| Applicable temperature | 0~+60°C (+32~+140°F)/-20~+80°C (-4~+176°F) |
| Protection level | IP20 |

IP20

CE



| Model | Working voltage | Setting temperature | Setting Range |
|------------|-----------------|---------------------|---------------|
| 01230.0-00 | 230VAC, 50/60Hz | 0~60 °C | 50 ~ 90% RH |
| 01230.9-01 | 120VAC, 50/60Hz | 0~60 °C | 50 ~ 90% RH |

CONNECTION EXAMPLE**WIRING DIAGRAM****DIMENSION (mm)**



External sensor



Overview

The product adopts MCU control system, respectively real-time temperature and humidity detection, and achieve real-time control, in order to ensure Verify that the temperature and humidity in the environment are in an appropriate range. Intelligent communication function, the temperature and humidity measurement value through the microprocessor 485 signal directly transmitted to the background computer, the user You can observe the environment of the remote control cabinet in real time.

1. Function description

The temperature and humidity values are displayed on a high definition LCD screen. Displaying diagram as below, i.e. (Figure A):

- Displaying humidity measurement by 2 digits, i.e.: 60%RH
- Displaying humidity set value: In the set state, 500ms/time, humidity set value is blinking, i.e.: 40%RH
- Displaying temperature measurement value by 2 digits, i.e.: 25°C
- Displaying temperature set value: In set state, 500ms/time, temperature set value is blinking: i.e.: 25°C
- Dehumidifying mode indication, i.e. (Figure B): When the equipment is in dehumidifying mode, it display the status by the dynamic fan
- Heating mode indication, i.e. (Figure C): when the equipment is in heating mode, it display the status by heating signal



(Figure A)



(Figure B)



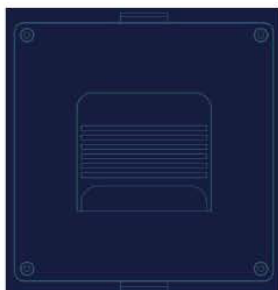
(Figure C)



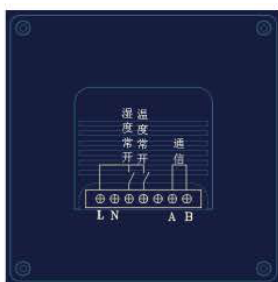
(Figure D)

SPECIFICATION

| Supply voltage | AC220V \pm 10%, other voltages can be customized |
|----------------------------------|---|
| Humidity measurement range | 20-90% RH (without condensation) |
| Humidity measurement accuracy | \pm 5% RH (tested at 25°C) |
| Temperature measurement range | 5~60°C |
| Temperature measurement accuracy | \pm 1°C (tested at 25°C) |
| Humidity setting range | 10-80% RH |
| Product Work Environment | Temperature 5~60°C, humidity 10~95% RH (no condensation) |
| Product storage environment | Temperature -10~40°C, humidity 10~90% RH (no condensation) |
| Humidification load size | Pure resistance load AC250V/10A, DC30V/5A |
| Power down memory | In the event of a power outage, the product's set parameters are automatically memorized. |



(Figure 1)



(Figure 2)

1.2 Keys, as shown in Figure D

- "POWER" key: Press this key to switch the machine cycle.
- "SET" key: under the boot state, press the key, the product is in the humidity or temperature parameter setting State, when the humidity (or temperature) display digital tube flashes. No key pressed, 10 seconds later since Move out of setting state, display the current humidity measurement value.
- "Plus" key: in the setting state, press the key, according to each press, set value plus one, wetThe maximum set value of degree is 80%, and the maximum set value of temperature is 60
- No key pressed, 10 seconds later since Move to exit the setting state.
- "Minus" key: in the setting state, press the key, according to each press, set value minus one, wetThe minimum set value of degree is 10%, and the minimum set value of temperature is 5
- No key pressed, 10 seconds later since Move to exit the setting state.

2. Control the output

2.1 Humidity control output when the humidity measurement value is greater than the humidity set value, the output relay is closed and the dehumidification work begins when, the running indicator - fan rotation; when The humidity measurement value is less than (set value -5), stop dehumidify, and the running indicator is off. Humidity return difference is 5%rh to prevent load from opening frequently at zero cut-off point. Affect the service Life. During the initial power-on, the output delay is 3 seconds, that is, after 3 seconds, the output is wet after the Degree condition, the control dehumidification relay starts to operate and the display starts to run.

2.2 Temperature control output when the temperature measurement value is less than the humidity set value, the output relay closes and starts heating (dehumidification).work, at this time, the running indicator -- heating wire display; when the temperature measurement is greater than (set value +2), stop heating, and the running Indicator is off. The temperature return difference is 2 to prevent the load at zero boundary points open frequently, Affecting the service life. During the initial power-on, the output delay is 3 seconds, that is, 3 seconds later, When the humidity condition is satisfied, the control heating relay starts to operate and the display starts to run.

2.3 Power failure memory to ensure that user parameter settings remain unchanged after power failure, memory protection power is added.

2.4 communication part this product adopts 485 communication mode, temperature, humidity and running status parameters are uploaded to the remote calculation on board.

3. Overall dimensions and wiring drawings, as shown in Figure 1.

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3.1 The installation mode of this product is embedded, and the opening size is 82.5*82.5(unit: mm).

3.2 Schematic diagram of wiring terminals on the back of controller, as shown in Figure 2

- (1) AC220V/50Hz: Connect terminals L and N;
- (2) Load terminal: normally open point heater, normally closed point fan;
- (3) 485 communication terminal: Connect A and B.