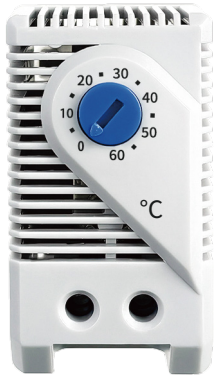
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KTS 011 | Mechanical temperature controller



Characteristics

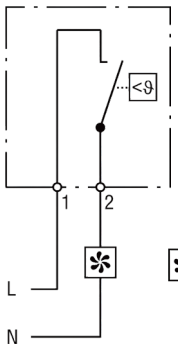
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

- Temperature adjustment range
- Label
- Outer packaging

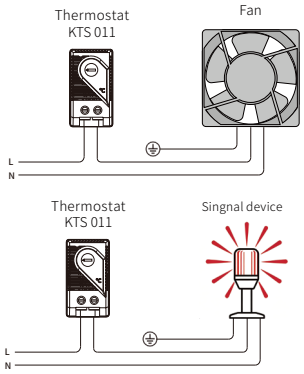
Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	60x33x43mm
Weight	41g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

Circuit Diagram

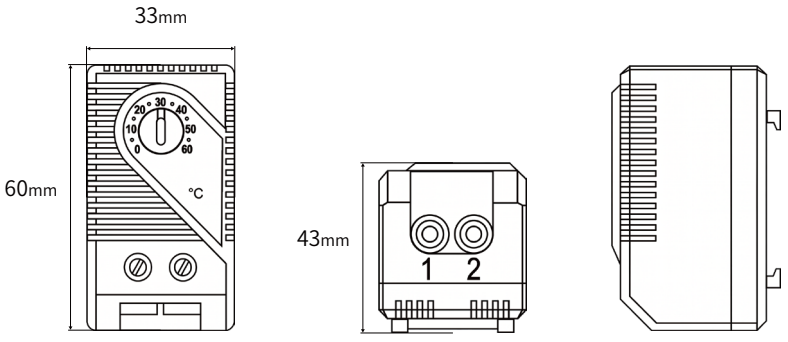


Filter fan, cooling equipment, signal device

Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101051	-20~40°C /-4~104°F	Normally Open (NO)
101052	-10~50°C /14~122°F	Normally Open (NO)
101053	0~60°C /32~140°F	Normally Open (NO)
101054	20~80°C /68~176°F	Normally Open (NO)

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Characteristics

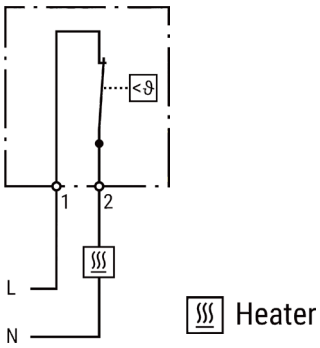
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

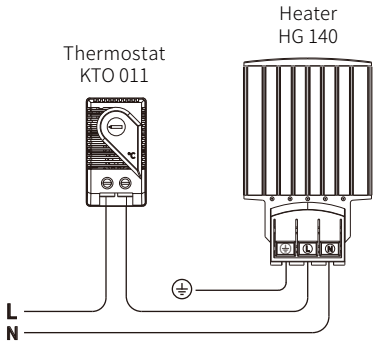
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Snap-action Type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid cable: 2.5 mm^2, Stranded cable: 1.5 mm^2
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	60x33x43mm
Weight	41g
使用寿命	＞100,000 cycles
防护等级	IP20
认证	CE/RoHS

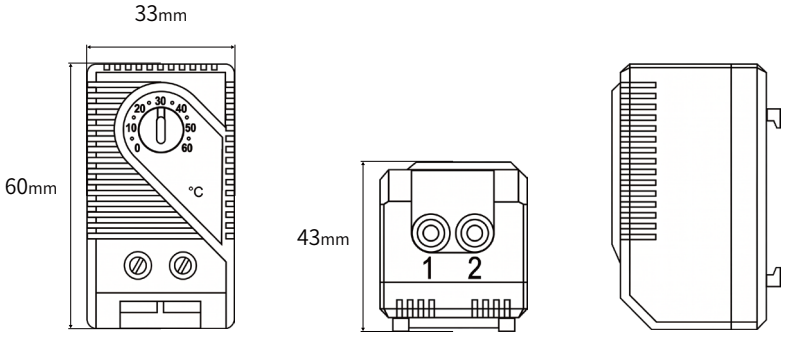
Circuit Diagram



Wiring Diagram



Dimension Drawing

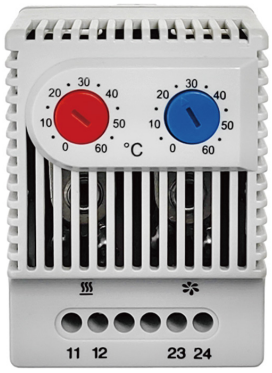


Ordering Information

Order Code	Temperature Setting Range	Product Type
101161	-20~40°C /-4~104°F	Normally Closed (NC)
101162	-10~50°C /14~122°F	Normally Closed (NC)
101163	0~60°C /32~140°F	Normally Closed (NC)
101164	20~80°C /68~176°F	Normally Closed (NC)

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Characteristics

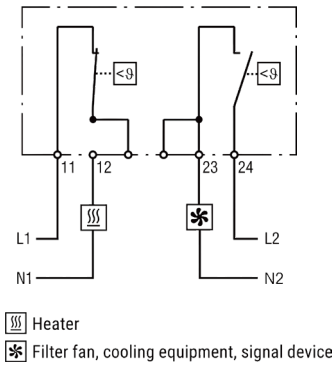
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

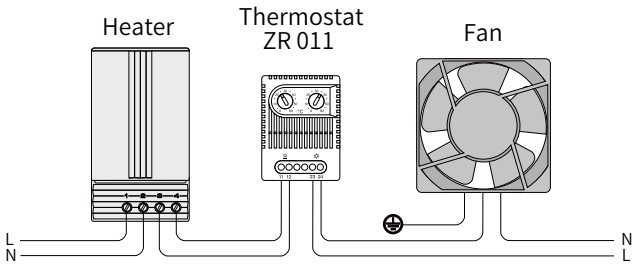
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Snap-action Type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid cable: 2.5 mm^2, Stranded cable: 1.5 mm^2
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	67x50x46mm
Weight	85g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

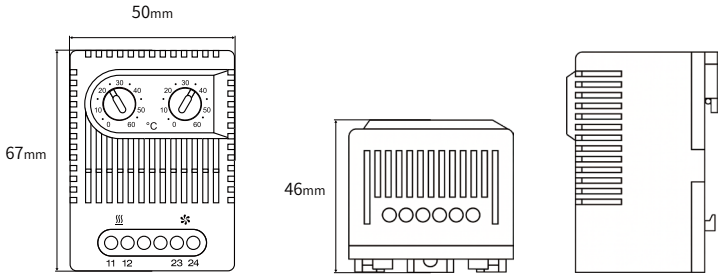
Circuit Diagram



Wiring Diagram



Dimension Drawing

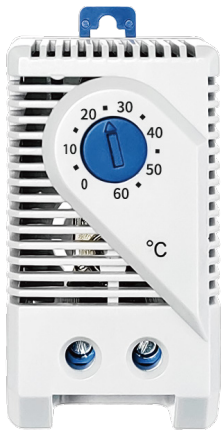


Ordering Information

Order Code	Temperature Setting Range	Product Type
101231	-20~40°C /-4~104°F	Normally Open / Normally Closed (NO, NC)
101232	-10~50°C /14~122°F	Normally Open / Normally Closed (NO, NC)
101233	0~60°C /32~140°F	Normally Open / Normally Closed (NO, NC)
101234	20~80°C /68~176°F	Normally Open / Normally Closed (NO, NC)

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KTS 111 | Mechanical temperature controller



Characteristics

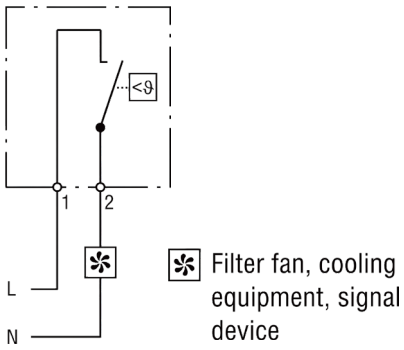
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

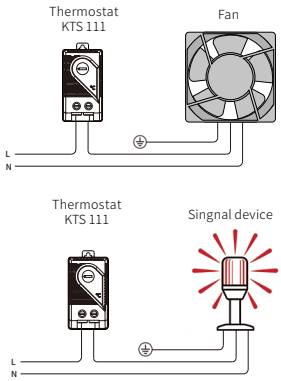
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Snap-action Type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid cable: 2.5 mm^2, Stranded cable: 1.5 mm^2
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	65x33x40mm
Weight	40g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

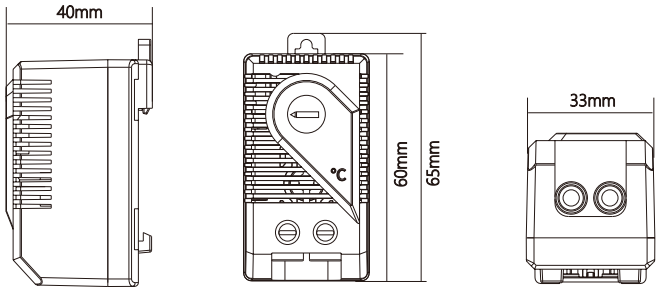
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101151	-20~40°C /-4~104°F	Normally Open (NO)
101152	-10~50°C /14~122°F	Normally Open (NO)
101153	0~60°C /32~140°F	Normally Open (NO)
101154	20~80°C /68~176°F	Normally Open (NO)

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KTO 111 | Mechanical temperature controller



Characteristics

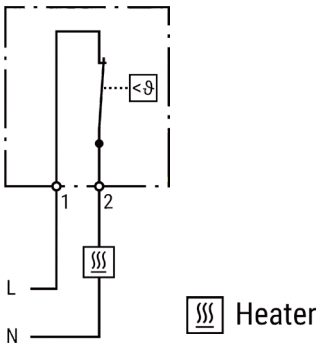
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

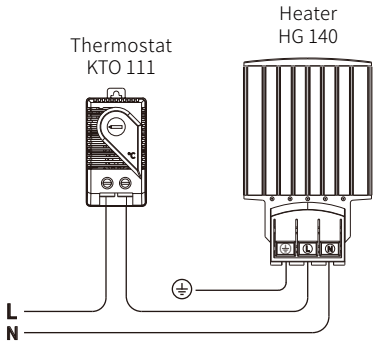
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	65x33x40mm
Weight	40g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

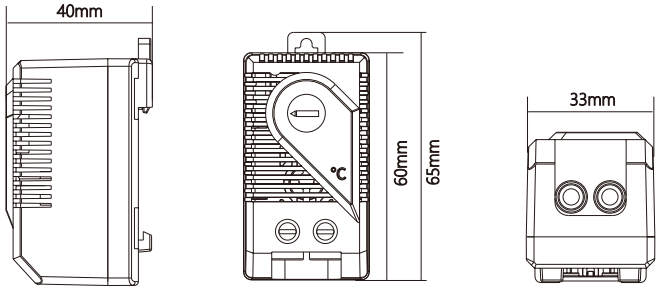
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101161	-20~40°C /-4~104°F	Normally Closed (NC)
101162	-10~50°C /14~122°F	Normally Closed (NC)
101163	0~60°C /32~140°F	Normally Closed (NC)
101164	20~80°C /68~176°F	Normally Closed (NC)

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ZR 111 | Mechanical temperature controller



Characteristics

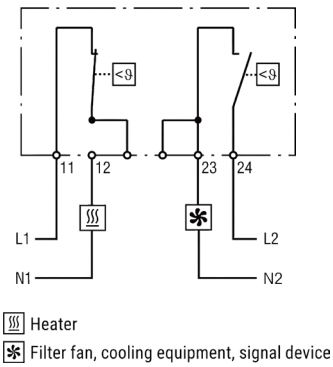
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

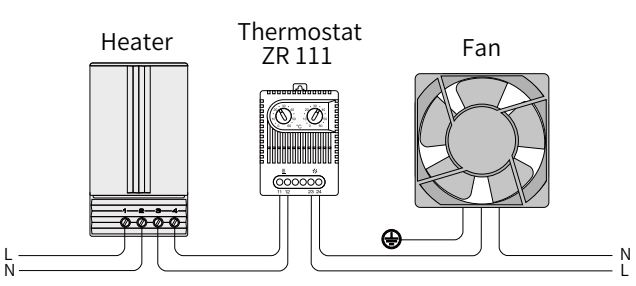
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	74x50x46mm
Weight	85g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

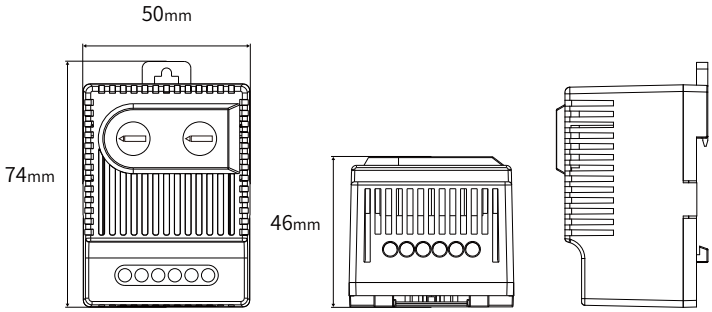
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101241	-20~40°C /-4~104°F	Normally Open / Normally Closed (NO, NC)
101242	-10~50°C /14~122°F	Normally Open / Normally Closed (NO, NC)
101243	0~60°C /32~140°F	Normally Open / Normally Closed (NO, NC)
101244	20~80°C /68~176°F	Normally Open / Normally Closed (NO, NC)

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KTS 012 | Mechanical temperature controller



Characteristics

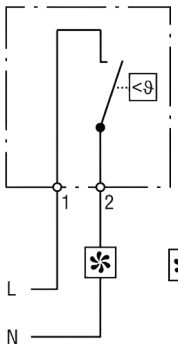
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

- Temperature adjustment range
- Label
- Outer packaging

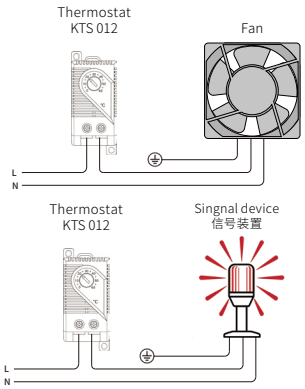
Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	75x33x43mm
Weight	40g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

Circuit Diagram

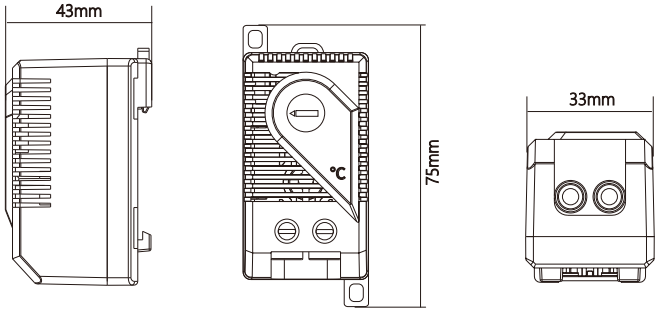


Filter fan, cooling equipment, signal device

Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101071	-20~40°C /-4~104°F	Normally Open (NO)
101072	-10~50°C /14~122°F	Normally Open (NO)
101073	0~60°C /32~140°F	Normally Open (NO)
101074	20~80°C /68~176°F	Normally Open (NO)

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KTO 012 | Mechanical temperature controller



Characteristics

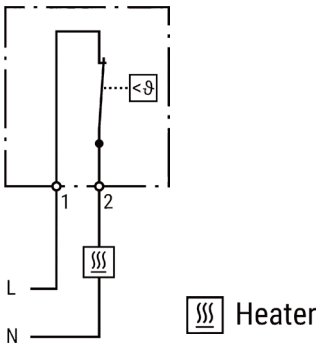
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

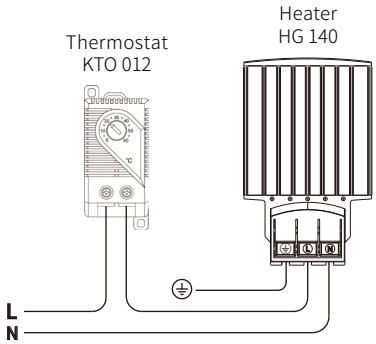
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	75x33x43mm
Weight	44g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

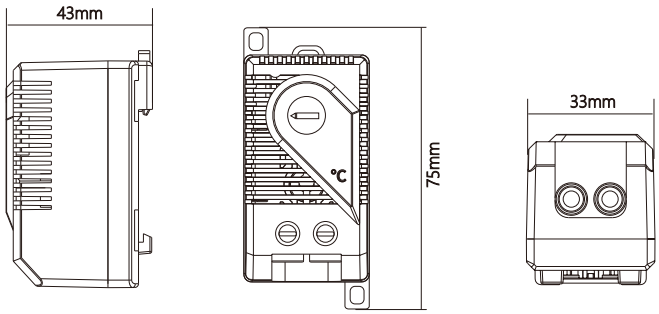
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101081	-20~40°C /-4~104°F	Normally Closed (NC)
101082	-10~50°C /14~122°F	Normally Closed (NC)
101083	0~60°C /32~140°F	Normally Closed (NC)
101084	20~80°C /68~176°F	Normally Closed (NC)

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KTS 013 | Mechanical temperature controller



Characteristics

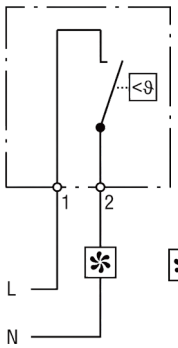
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

- Temperature adjustment range
- Label
- Outer packaging

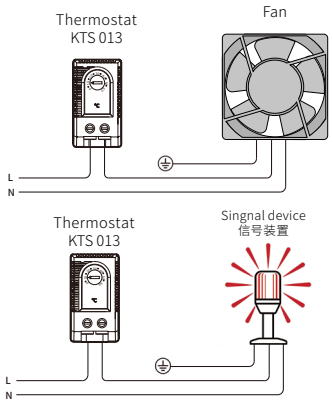
Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	60x33x44mm
Weight	41g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

Circuit Diagram

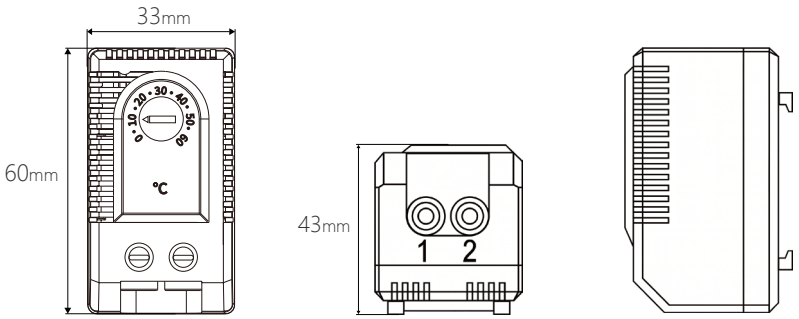


Filter fan, cooling equipment, signal device

Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101091	-20~40°C /-4~104°F	Normally Open (NO)
101092	-10~50°C /14~122°F	Normally Open (NO)
101093	0~60°C /32~140°F	Normally Open (NO)
101094	20~80°C /68~176°F	Normally Open (NO)

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KTO 013 | Mechanical temperature controller



Characteristics

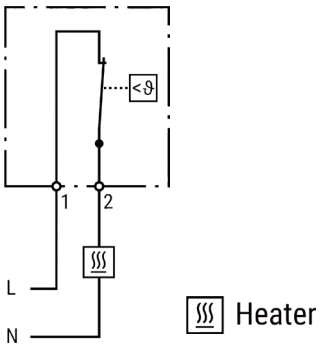
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

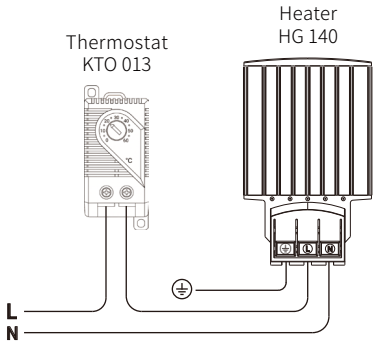
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	60x33x44 mm
Weight	41g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

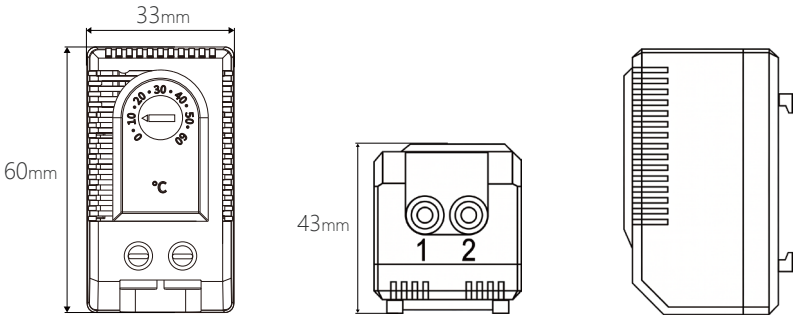
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101101	-20~40°C /-4~104°F	Normally Closed (NC)
101102	-10~50°C /14~122°F	Normally Closed (NC)
101103	0~60°C /32~140°F	Normally Closed (NC)
101104	20~80°C /68~176°F	Normally Closed (NC)

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KTS 021 | Mechanical temperature controller



Characteristics

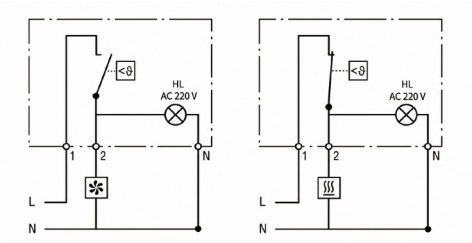
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

- Temperature adjustment range
- Label
- Outer packaging

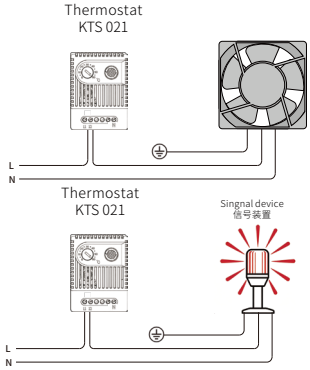
Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	67x50x46mm
Weight	70g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

Circuit Diagram

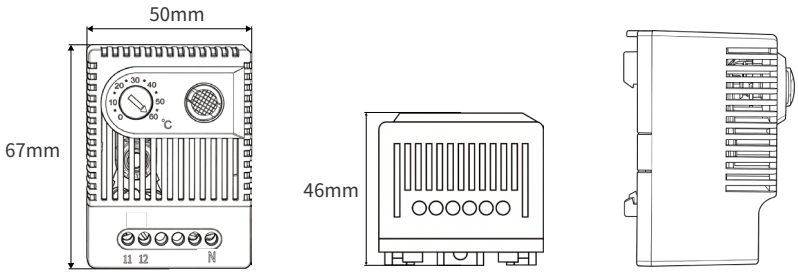


Contact closed: Light ON; Contact open: Light OFF

Wiring Diagram



Dimension Drawing

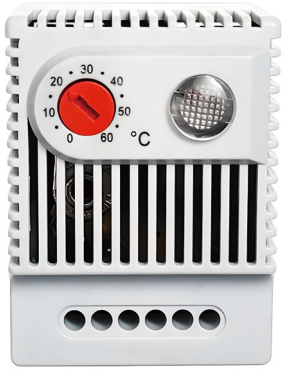


Ordering Information

Order Code	Temperature Setting Range	Product Type
101131	-20~40°C /-4~104°F	Normally Open (NO)
101132	-10~50°C /14~122°F	Normally Open (NO)
101133	0~60°C /32~140°F	Normally Open (NO)
101134	20~80°C /68~176°F	Normally Open (NO)

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KTO 021 | Mechanical temperature controller



Characteristics

- Wide range of applications
- Easy to install
- Wide voltage range

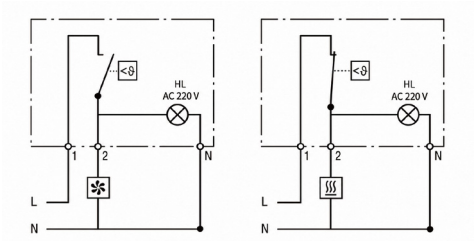
Customizable Options

- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters

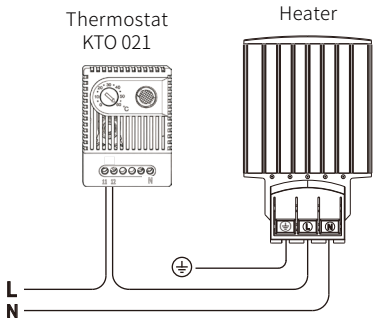
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	67x50x46mm
Weight	70g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

Circuit Diagram

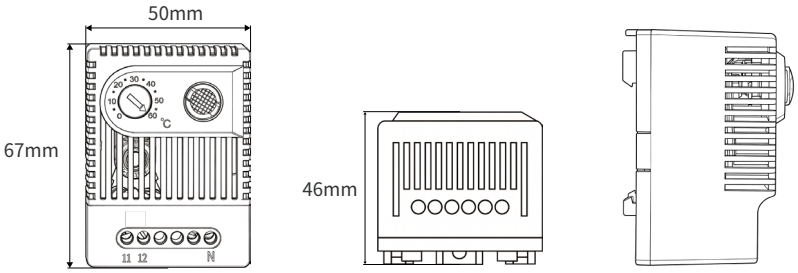


Contact closed: Light ON; Contact open: Light OFF

Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101141	-20~40°C /-4~104°F	Normally Closed (NC)
101142	-10~50°C /14~122°F	Normally Closed (NC)
101143	0~60°C /32~140°F	Normally Closed (NC)
101144	20~80°C /68~176°F	Normally Closed (NC)

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KTS 511 | Mechanical temperature controller



Characteristics

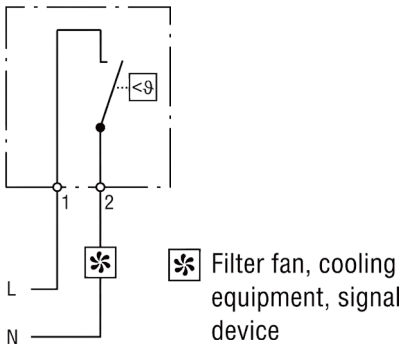
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

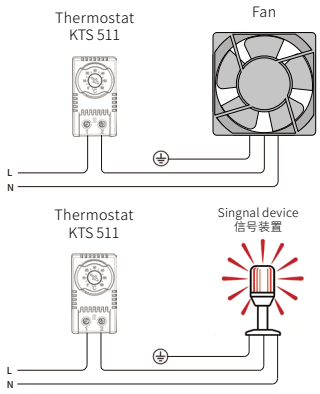
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	60x33x45mm
Weight	41g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

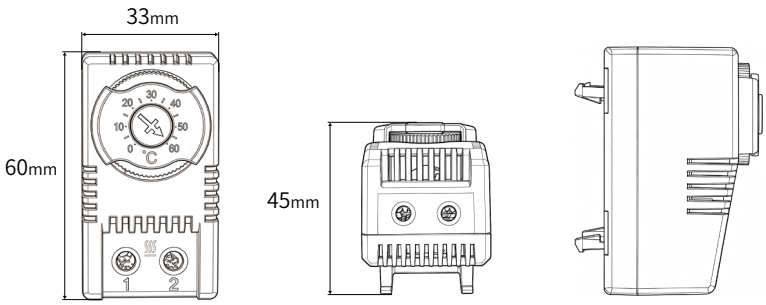
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101171	-20~40°C /-4~104°F	Normally Open (NO)
101172	-10~50°C /14~122°F	Normally Open (NO)
101173	0~60°C /32~140°F	Normally Open (NO)
101174	20~80°C /68~176°F	Normally Open (NO)

01.01.2026 | Specifications subject to change without notice. E&OE. Buyer shall verify product suitability for intended use and related risks.

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KTO 511 | Mechanical temperature controller



Characteristics

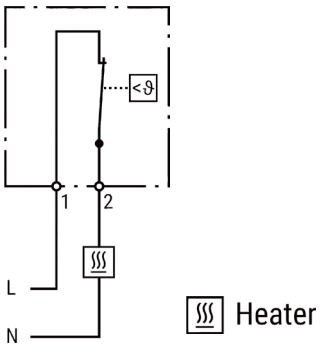
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

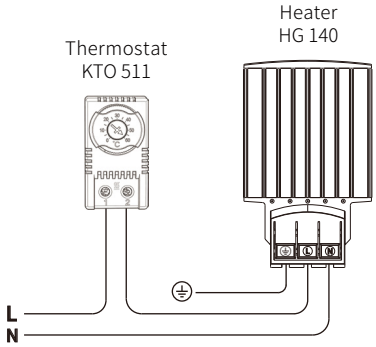
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	60x33x45mm
Weight	41g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

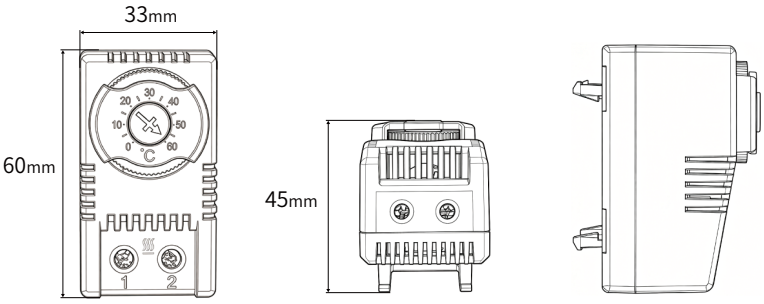
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101181	-20~40°C /-4~104°F	Normally Closed (NC)
101182	-10~50°C /14~122°F	Normally Closed (NC)
101183	0~60°C /32~140°F	Normally Closed (NC)
101184	20~80°C /68~176°F	Normally Closed (NC)

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KTS 611 | Mechanical temperature controller



Characteristics

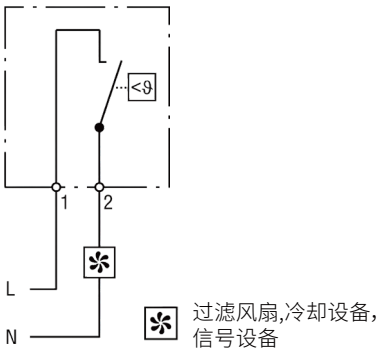
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

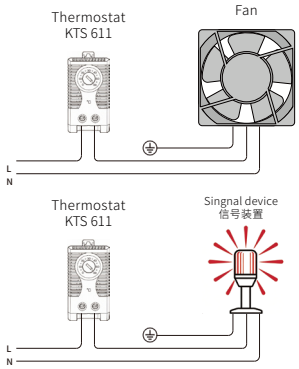
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	65x33x40mm
Weight	42g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

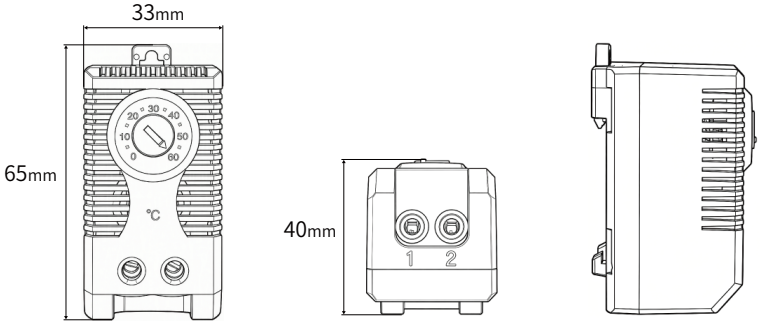
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101191	-20~40°C /-4~104°F	Normally Open (NO)
101192	-10~50°C /14~122°F	Normally Open (NO)
101193	0~60°C /32~140°F	Normally Open (NO)
101194	20~80°C /68~176°F	Normally Open (NO)

01.01.2026 | Specifications subject to change without notice. E&OE. Buyer shall verify product suitability for intended use and related risks.

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KTO 611 | Mechanical temperature controller



Characteristics

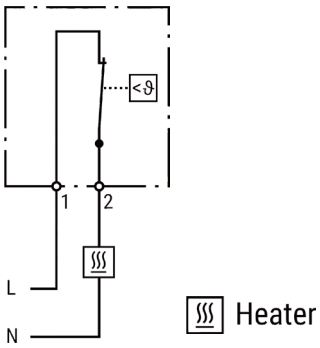
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

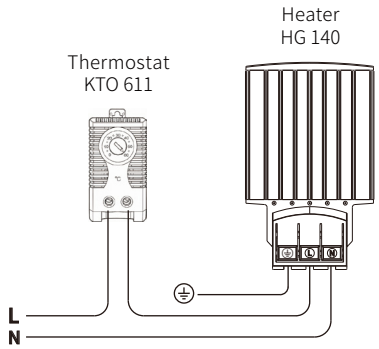
- Temperature adjustment range
- Label
- Outer packaging

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	65x33x40mm
Weight	42g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

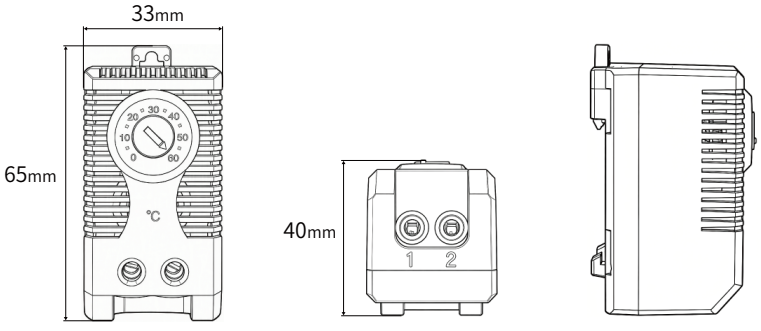
Circuit Diagram



Wiring Diagram



Dimension Drawing



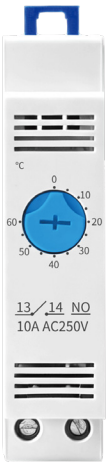
Ordering Information

Order Code	Temperature Setting Range	Product Type
101201	-20~40°C /-4~104°F	Normally Closed (NC)
101202	-10~50°C /14~122°F	Normally Closed (NC)
101203	0~60°C /32~140°F	Normally Closed (NC)
101204	20~80°C /68~176°F	常闭 (NC)

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KTS 711 | Mechanical Temp. Controller



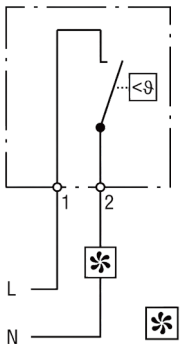
Characteristics

- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

- Temperature adjustment range
- Label
- Outer packaging

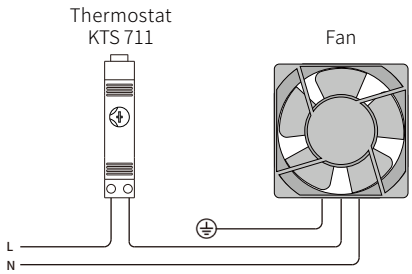
Circuit Diagram



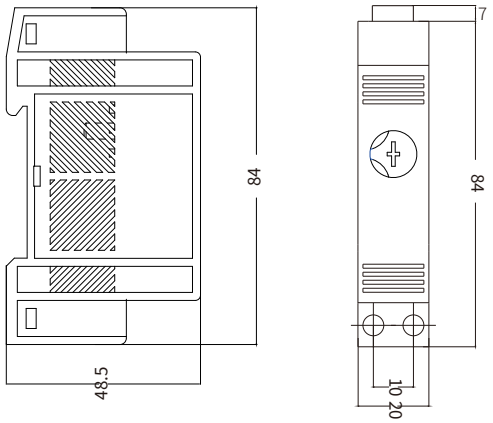
过滤风扇,冷却设备,
信号设备

Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	84x49x20mm
Weight	41g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

Wiring Diagram



Dimension Drawing

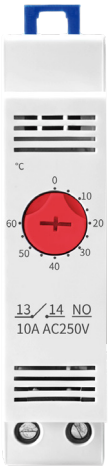


Ordering Information

Order Code	Temperature Setting Range	Product Type
101211	-20~40°C /-4~104°F	Normally Open (NO)
101212	-10~50°C /14~122°F	Normally Open (NO)
101213	0~60°C /32~140°F	Normally Open (NO)
101214	20~80°C /68~176°F	Normally Open (NO)

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KTO 711 | Mechanical Temp. Controller



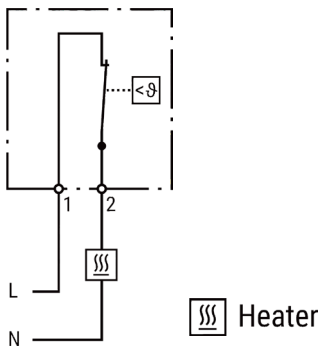
Characteristics

- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

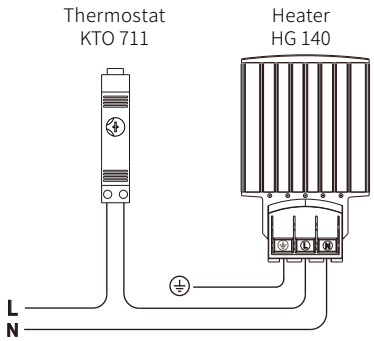
- Temperature adjustment range
- Label
- Outer packaging

Circuit Diagram

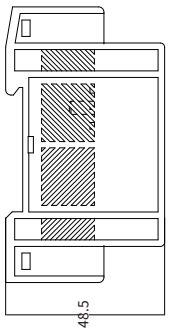


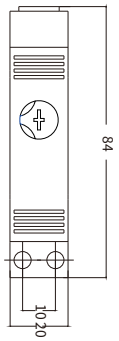
Technical Parameters	
Switching Capacity	AC 250 V: 10 (2) A;AC 120 V: 15 (2) A;DC 24-72 V: 30 W
Applicable Power Supply	AC/DC
Sensor Element	Bimetal
Contact Type	Quick-action type
Switch Differential Temperature	7K±4K
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Tightening Torque	Max. 0.5 N·m
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	84x49x20mm
Weight	40g
Service Life	＞100,000 cycles
Protection Level	IP20
Certification	CE/RoHS

Wiring Diagram



Dimension Drawing





Ordering Information

Order Code	Temperature Setting Range	Product Type
101221	-20~40°C /-4~104°F	Normally Closed (NC)
101222	-10~50°C /14~122°F	Normally Closed (NC)
101223	0~60°C /32~140°F	Normally Closed (NC)
101224	20~80°C /68~176°F	Normally Closed (NC)

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ETR 011 | Electronic Temperature Controller



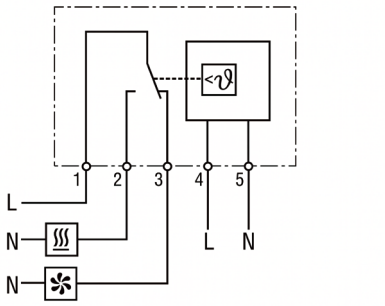
Characteristics

- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

- Temperature adjustment range
- Label
- Outer packaging

Circuit Diagram

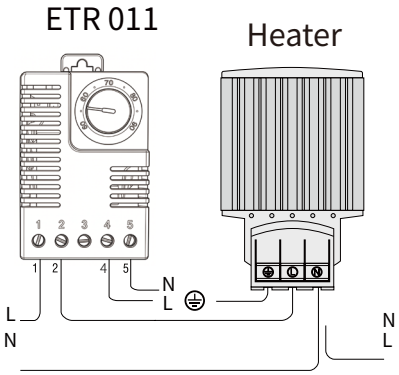


Heater

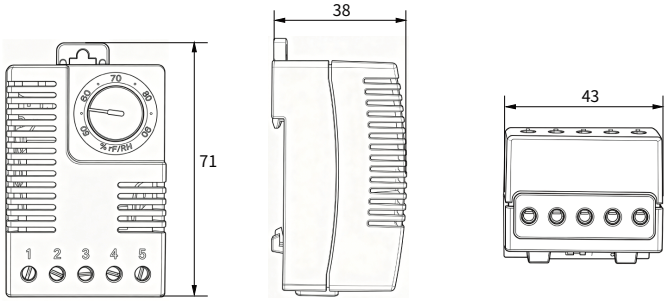
Filter fan, cooling equipment, signal device

Technical Parameters	
Adjustment Range	-20°C~60°C, -4°F~140°F
Rated Switching Current	AC:230V,8(1.6)A
Sensor Element	DHT 20
Contact Type	Relay
Switch Differential (Tolerance)	3K±0.5K
Wiring Specificatio	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Ambient Temperature	32°F~140°F (0°C~60°C)
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	71X38X43mm
Weight	100g
Service Life	＞300,000 cycles
Protection Level	IP20
Certification	CE/RoHS

Wiring Diagram



Dimension Drawing



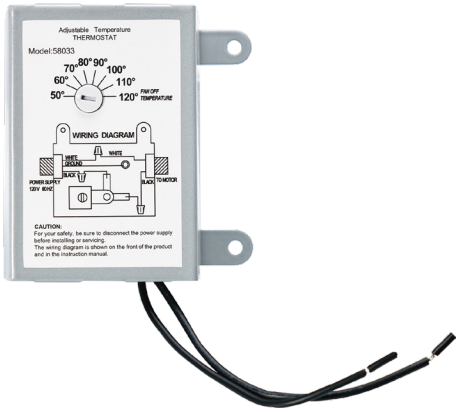
Ordering Information

Order Code	Temperature Setting Range	Operating Voltage	Product Type
104081	-20°C~60°C;	AC 230V	Temperature & Humidity Controller
104082	-4°F~140°F	AC 110V	Temperature & Humidity Controller

01.01.2026 | Specifications subject to change without notice. E&OE. Buyer shall verify product suitability for intended use and related risks.

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ZRF 011 | Mechanical temperature controller



Characteristics

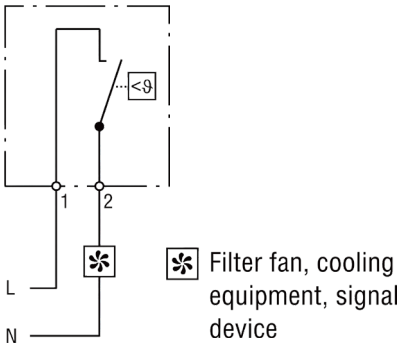
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

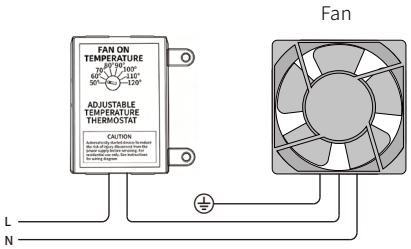
- Temperature adjustment range
- Label
- Outer packaging

技术参数	
Operating Voltage	AC/DC
Sensor element	Bimetallic
Temperature Control Range	50~120°F (10~48°C)
Rated Making and Breaking Current	AC 240V/AC10A(阻)/DC 30W
Housing Material	Sheet Metal
Size	95X91X46mm
Installation Method	Screw Mounting
Weight	40g
Protection Leve	NEMA1
Rated Switching Current	AC 240 V; AC 10A (Resistive); DC 30W
Switching Capacity	7K±4K

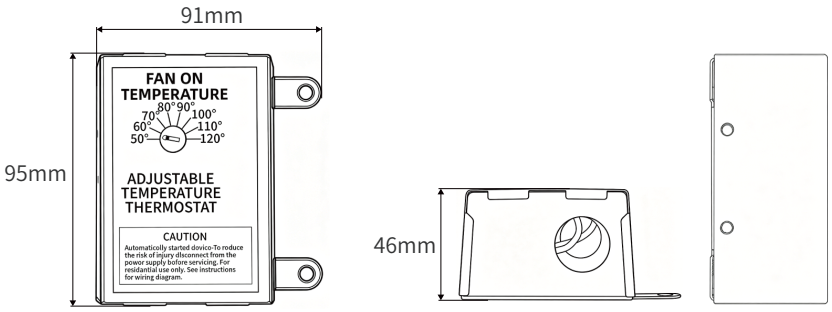
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101261	50°F~120°F	Normally Open (NO)

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REX 011 | Mech. Explosion-proof Thermostat



Characteristics

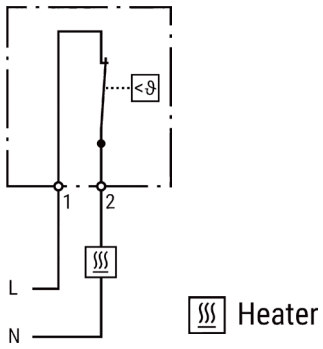
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

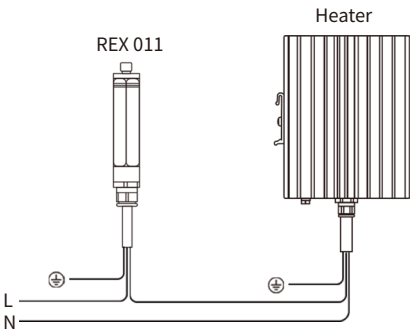
- Temperature adjustment range
- Label
- Outer packaging

技术参数	
Operating Voltage	AC 110V/250V DC12V/24V
Heater Material	Anodized Aluminum
Power	50W-400W, Customizable
Dimensions (L)	SW19X94mm
Weigh	1.3Kg/1.5Kg
Certification: Explosion-proof	LCIE
Compliant Approvals	01 ATEX 6073/03,LCIE No 06ATEX Q8011
PE Connector	-20~40°C/-45~70°C
Protection Level	IP65/I(earthed)
Rated Switching Current	AC: 250V,5(1)A
Sensor Element	Bimetal
Switching Capacity	5K±3K

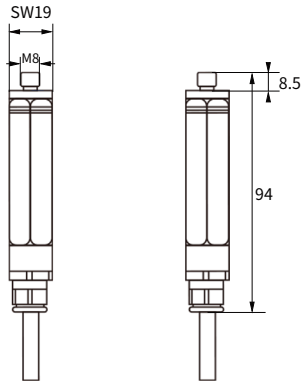
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Type
101251	15°C (±4K)	Normally Closed (NC)
101252	25°C(±4K)	Normally Closed (NC)

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MFR 012 | Mechanical Humidity Controller



Characteristics

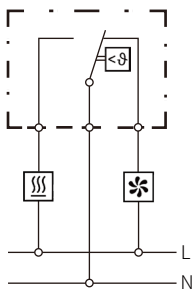
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

- Label
- Outer packaging

Technical Parameters	
Humidity Setting Range	35%RH~95%RH
Compatible Power Supply	AC/DC
Sensor Element	CO Contact
Contact Type	Snap-action Contact
Humidity Hysteresis	7%RH±3%RH
Rated Switching Current	AC:230V,5 (1) A；DC:20W
Ambient Temperature	32°F~140°F (0°C~60°C)
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	75X50X38mm
Weight	50g
Service Life	>50,000次cycles
Protection Level	IP20
Certification	CE/RoHS

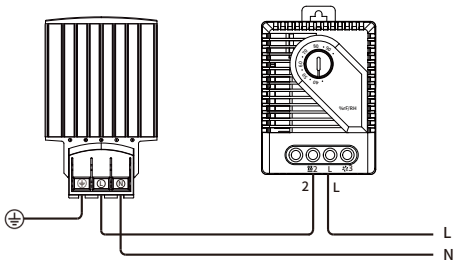
Circuit Diagram



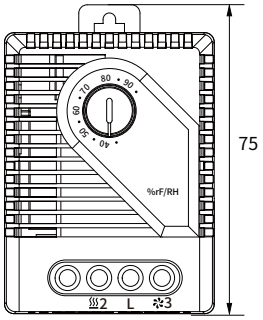
过滤风扇,冷却设备，信号设备

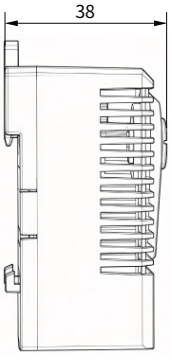
加热器

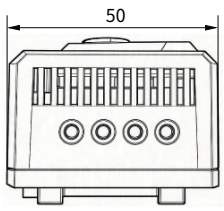
Wiring Diagram



Dimension Drawing







订货信息

Order Code	Humidity Setting Range	Operating Voltage	Product Type
104071	35%RH~95%RH	AC/DC	Mechanical Humidity Controller

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EMFR 012 | Electronic Humidity Controller



Characteristics

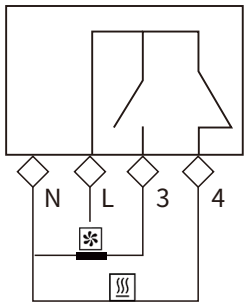
- Wide range of applications
- Easy to install

Customizable Options

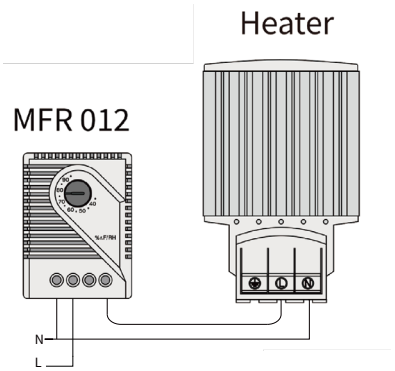
- Label
- Outer packaging

Technical Parameters	
Humidity Setting Range	35%RH~95%RH
Compatible Power Supply	AC 110-230V
Sensor Element	DHT 20
Contact Type	Snap-action Contact
Humidity Hysteresis	7%RH±3%RH
Wiring Specification	Solid cable: 2.5 mm^2, Stranded cable: 1.5 mm^2
Ambient Temperature	32°F~140°F (0°C~60°C)
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	67x39x50mm
Weight	42g
Service Life	>50,000次cycles
Protection Level	IP20
Certification	CE/RoHS

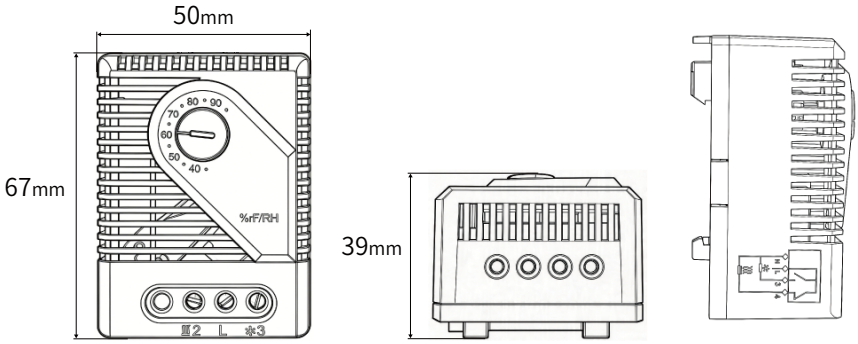
Circuit Diagram



Wiring Diagram



尺寸图



Ordering Information

Order Code	Humidity Setting Range	Operating Voltage	Product Type
104041	35%RH~95%RH	AC 110-230V	Electronic Humidity Controller

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EFR 012 | Mechanical Humidity Controller



Characteristics

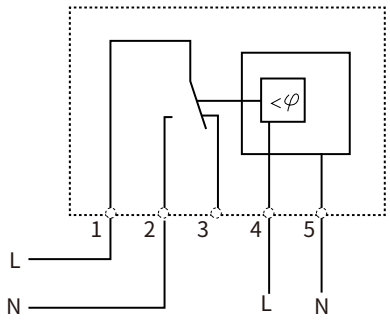
- Adjustable Temperature and Humidity
- High Switching Load Capacity
- Wide voltage range

Customizable Options

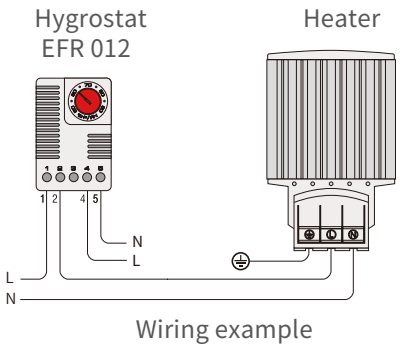
- TLabel
- Outer packaging

Technical Parameters	
Control Adjustment Range	50%RH~90%RH
ensor Element	DHT 20
Maximum Switching Capacity	5 % RH±3 % RH
Contact Type	SPDT
Maximum Current	AC 30A for 10 seconds
Operating / Storage Humidity	Max. 95%RH (Non-condensing)
Operating / Storage Temperature	0~60°C/-20~70°C
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	71 x 42 x 38mm
Weight	60g
Service Life	>50,000次 cycles
Protection Level	IP20
Certification	CE/RoHS

Circuit Diagram

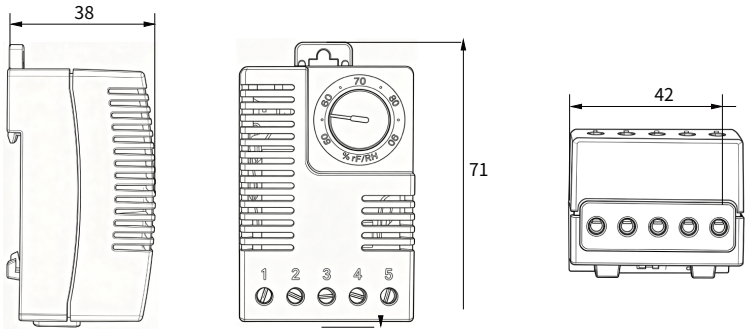


Wiring Diagram



Wiring example

Dimension Drawing



Ordering Information

Order Code	Setting Range	Operating Voltage	Product Type
104092	50%RH~90%RH	AC 110V	Temperature & Humidity Controller
104091	50%RH~90%RH	AC 230V	Temperature & Humidity Controller

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SK 3110 | Electronic Temperature Controller



Characteristics

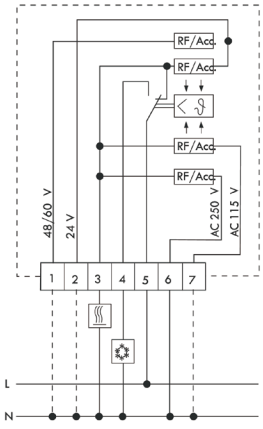
- High Switching Performance
- Easy to install
- Wide voltage range

Customizable Options

- Adjustable Temperature and Humidity
- Label
- Outer packaging

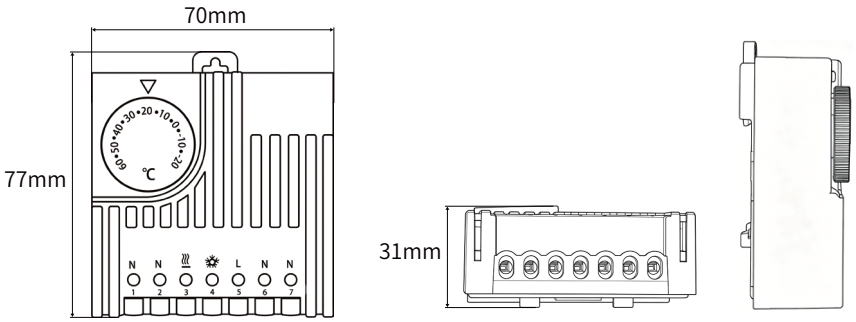
技术参数	
Operating Voltage	AC 120/240V; DC 24/48/60V
Switch Differential Temperature	3K±0.5K
Sensor Element	NTC
Temperature Range	-20-60°C(Customizable)
Voltage Rang	24V-230V
Housing Material	PC
Size	77mmx31mmx70mm
Vertical installation	Vertical Mounting
Installation Method	35mm Guide rail installation
Weight	75g
Protection Level	IP20
Certification	CE/RoHS
Rated Switching Current	AC:240V, 8(1.6)A；DC: 220W
Certification	CE/RoHS

Circuit Diagram



48V 60V N	24V N			(L1*) L	(L2*) 250V N	115V N
1	2	3	4	5	6	7

Dimension Drawing



Ordering Information

Order Code	Temperature Setting Range	Product Typ
101501	-20°C~60°C	Temperature Controller
101502	-4°F~140°F	Temperature Controller

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SK 3118 | Electronic Humidity Controller



Characteristics

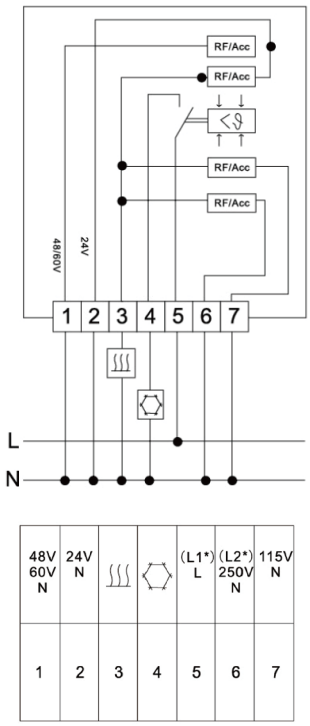
- High Switching Performance
- Easy to install
- Wide voltage range

Customizable Options

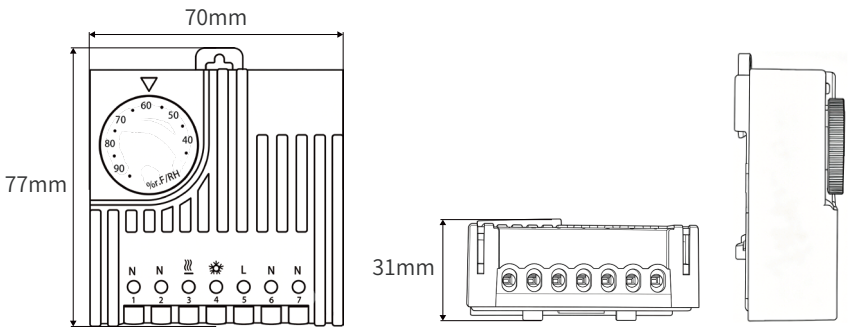
- Temperature Adjustment Range
- Label
- Outer packaging

Technical Parameter	
Operating Voltage	AC 115/230V; DC 24/48/60V
Action error (ST)	±3%
Sensor element	1Z
Humidity range	35~95% RH
Voltage range	24V-250V
Housing material	PC
Dimensions	77mm*31mm*70mm
Weight	75g
Mounting Method	35mm DIN Rail Mounting
Mounting Direction	Vertical Mounting
Operating / Storage Temperature	0~60°C / -20~70°C (4°C Anti-frost)
Operating / Storage Humidity	Max. 90%RH (Non-condensing)
Protection Class	IP20

Circuit Diagram



Dimension Drawing

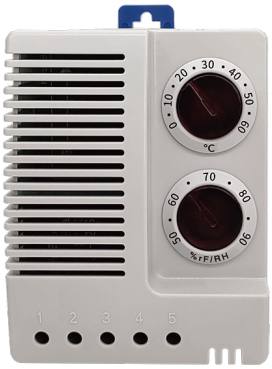


Ordering Information

Order Code	Humidity Range	Product Type
104061	35%RH~95%RH	Humidity Controller

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ETF 012 | Elec. Temp. & Hum. Controller



Characteristics

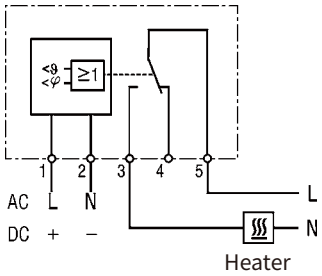
- Adjustable Temperature and Humidity
- High Switching Load Capacity

Customizable Options

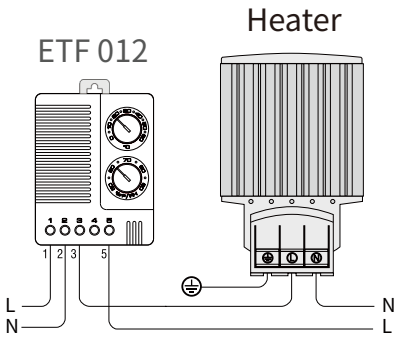
- Label
- Outer packaging
- Wide Voltage

Technical Parameters	
Control Adjustment Range	0°C~60°C；50%RH~90%RH
Compatible Power Supply	AC 110/AC 230V/DC 12V/DC 24V
Sensor Elemen	DHT 20
Contact Type	Relay
Hysteresis Accuracy	3K±0.5K；5%RH±3%RH
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Operating Ambient Temperature	32°F~140°F (0°C~60°C)
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	85x60x40mm
Weight	100g
Service Life	＞300,000 cycles
Protection Level	IP20
Certification	CE/RoHS

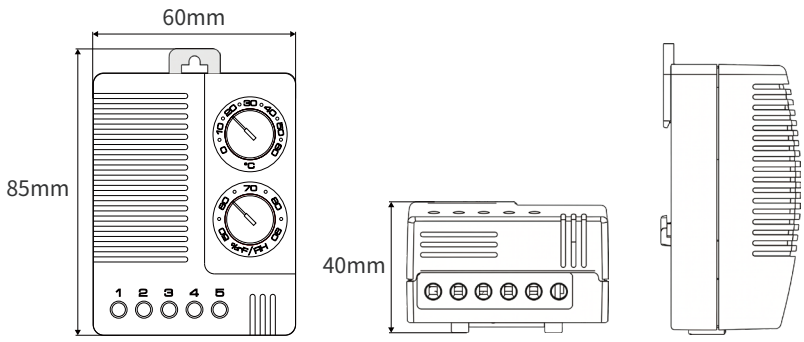
Circuit Diagram



Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Setting Range	Operating Voltage	Product Type
104011	0°C~60°C；50%RH~90%RH	AC 110V	Temperature and Humidity Controller
104012	0°C~60°C；50%RH~90%RH	AC 230V	Temperature and Humidity Controller
104013	0°C~60°C；50%RH~90%RH	DC 12V	Temperature and Humidity Controller
104014	0°C~60°C；50%RH~90%RH	DC 24V	Temperature and Humidity Controller

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CZCS-F | Elec. Temp. & Hum. Controller



Characteristics

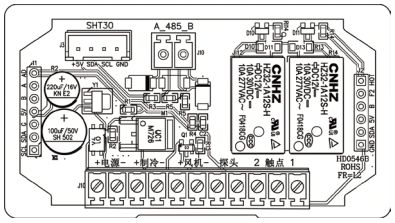
- Wide range of applications
- Easy to install
- Wide voltage range

Customizable Options

- Temperature adjustment range
- Label
- Outer packaging

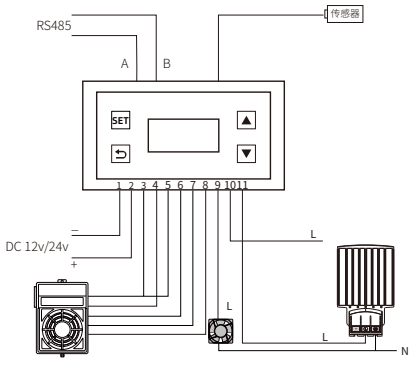
Technical Parameters	
Sensor Accuracy	±3%RH,±1°C
Applicable Power Supply	AV/DC
Sensor Element	SHT30
Contact Type	Relay
Humidity Differential	Start:60% RH；Stop:50% RH
Wiring Specification	Solid cable: 2.5 mm^2, Stranded cable: 1.5 mm^2
Installation Method	35mm Guide rail installation
Housing Material	PC
Size	79X43 mm
Weight	116g
Protection Level	IP20
Certification	CE/RoHS

Circuit Diagram

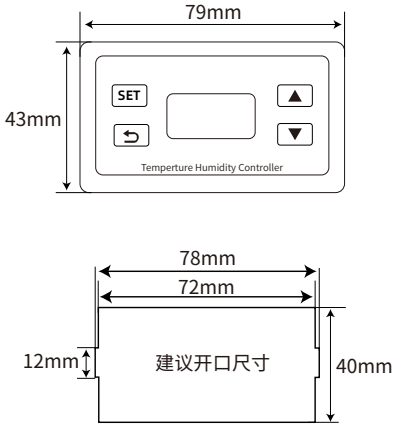


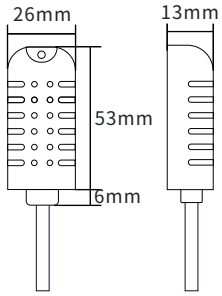
1	2	3	4	5	6	7	8	9	10	11
12V+	12V-	TEC +	TEC -	FAN +	FAN -	NTC	NTC	OUT2	COM	OUT1

Wiring Diagram



Dimension Drawing





Ordering Information

Order Code	额定电压	Temperature Range	Temperature Rang	Product Type
104021	DC 12V	0°C~99°C	0%RH~99%RH	Temperature and Humidity Controller
104022	DC 24 V	0°C~99°C	0%RH~99%RH	Temperature and Humidity Controller

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ETY 031 | Electronic Temp. & Hum. Controller



Product Features

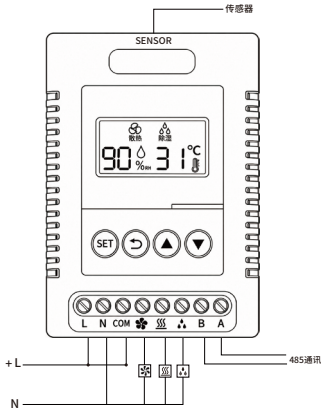
- Wide Application Range
- Easy to install
- Wide Voltage

Customizable Options

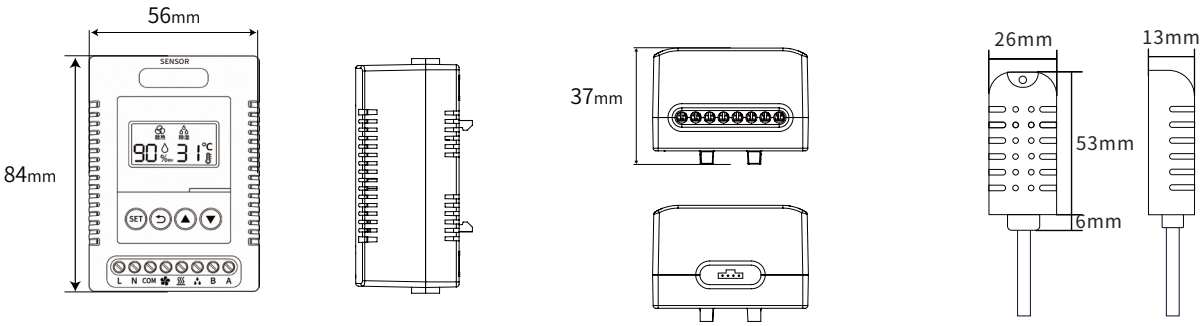
- T&H Adjustment Range
- Label
- Outer packaging

技术参数	
Adjustment Range	Temp. -20°C~80°C, Hum. 35%RH~95%RH
Applicable Voltage	AC 110~240V,50HZ
Sensor Type	SHT30
Contact Type	Relay; Cooling & Dehumidification 5A (resistive); Heating 10A (resistive)
Hysteresis	3K; 10%RH default
Wiring Specification	Solid wire: 2.5mm², Stranded wire: 1.5mm²
Accuracy	Temp. ±1°C, Hum. ±3%RH
Communication Method	RS-485,Modbus RTU
Housing Material	PC
Dimensions (L×W×H)	56x37x84mm
Weight	116g
Service Life	>100,000 cycles
Protection Class	IP20
Mounting Method	35mm DIN rail mounting
Certifications	CE/RoHS

Wiring Diagram



Dimension Drawing



Ordering Information

Order Code	Rated Voltage	Temperature Setting Range	Humidity Setting Range	Product Type
104031	AC 110~240 V	-20°C~80°C	35%RH~95%RH	Temperature & Humidity Controller
104032	DC 12V	-20°C~80°C	35%RH~95%RH	Temperature & Humidity Controller
104033	DC 24 V	-20°C~80°C	35%RH~95%RH	Temperature & Humidity Controller

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