Sontay®
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ST-TY
Space Thermostats

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Features & Benefits

- Tamperproof option
- Bi-metallic switch mechanism reliability

Technical Overview

The ST-x series of wall mounting space thermostats are suitable for heating and/or cooling and frost protection applications.

Product Codes

ST-TY92C1	Space thermostat heating 5 to 35°C
ST-TY92C1F	Space thermostat cooling -5 to 15°C
ST-TY92C3	Space thermostat heating or cooling 5 to 35°C
ST-TY92C3T	Tamperproof space thermostat heating or cooling, 5 to 35°C

Specification

Operating voltage	220/240Vac @ 50/60Hz
Switching differential	<1°K
Switching current	250Vac 10(2)A SPDT; 3(1)A SPST
Sensor system	Bimetal
Housing material	ABS V0

Heating stat specification
ST-TY92C1

Contact configuration	SPST open-on-rise
Temp. range	5 to 35°C

Frost stat specification
ST-TY92C1F

Contact configuration	SPST open-on-rise
Temp. range	-5 to +15°C
Switching current	250Vac @ 10(2) A

Heating OR Cooling stat specification
ST-TY92C3T & ST-TY92C3

Contact configuration	SPDT
Temp. range	35 to 5°C
Switching current	250Vac @ 3(1)A

Operating temperature	50°C Max.
Storage temperature	-30 to +70°C
Dimensions:	
ST-TY90C3T	78 x 78 x 36mm max.
Others	82 x 82 x 32mm max.
Protection	IP20
Country of origin	Romania

WEEE Directive:
At the end of the products useful life please dispose as per the local regulations.
Do not dispose of with normal household waste.
Do not burn.

CE

The products referred to in this data sheet meet the requirements of 2014/35/EU

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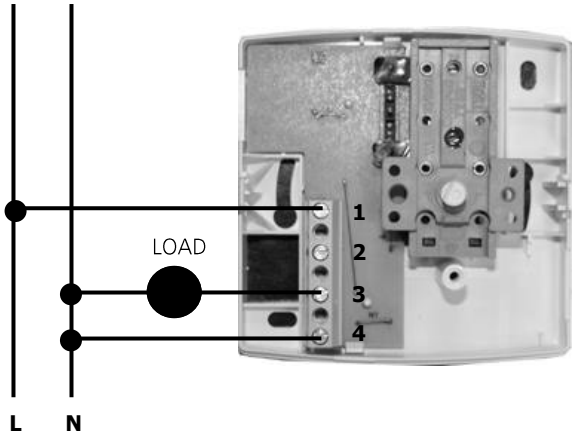
Installation (ST-TY92-C1 & ST-TY92-C1F)

1. The ST-TY92C1 should only be installed by a competent, suitably trained technician, experienced in installation with hazardous voltages. (>50Vac & <1000Vac or >75Vdc & 1500Vdc)
2. Ensure all power is disconnected before carrying out any work.
3. Select a location in the occupied space where contaminants are at a minimum, and which will give a representative sample of the prevailing condition.
4. Remove the set point knob by turning the knob fully clockwise (35°), this will then allow you to inset a screwdriver in the fissure between the knob and top cover.
5. Remove the screw on the top cover, and then carefully depress the tabs on the side of the thermostat using a small screwdriver or similar tool, remove the front cover.
6. Using the base as a template mark the hole centres and fix to the wall with suitable screws, or fit to a single gang patress back box .
7. Feed cable through the knockout in the base of the housing and terminate the cores at the terminal block, leaving some slack inside the unit.
8. Replace the housing to the base plate and replace the screw and set point knob.
9. The ST-TY92C1 is fitted with an accelerating resistor, this must be powered to obtain the performance.
10. Terminal 4 must to be connected to the neutral according to the diagram shown.

The ST-TY92-C1 is fitted with an accelerating resistor, this must be powered to obtain the performance. Terminal 4 must to be connected to the neutral according to the diagram shown.

⚠ **PLEASE NOTE:**
There are no internal user adjustable components, the cover should only be removed by a suitably qualified technician experienced in hazardous voltages.



Installation (ST-TY92-C3)

1. The ST-TY92C3 should only be installed by a competent, suitably trained technician, experienced in installation with hazardous voltages. (>50Vac & <1000Vac or >75Vdc & 1500Vdc)
2. Ensure that all power is disconnected before carrying out any work.
3. Select a location in the occupied space where contaminants are at a minimum, and which will give a representative sample of the prevailing condition.
4. Remove the set point knob by turning the knob fully clockwise (35°), this will then allow you to inset a screwdriver in the fissure between the knob and top cover.
5. Remove the screw on the top cover, and then carefully depress the tabs on the side of the thermostat using a small screwdriver or similar tool and remove the front cover.
6. Using the base as a template mark the hole centres and fix to the wall with suitable screws, or fit to a single gang patress back box.
7. Feed cable through the knockout in the base of the housing and terminate the cores at the terminal block, leaving some slack inside the unit.
8. Replace the housing to the base plate and replace the screw and set point knob.
9. When in operation, the pilot lamp will indicate operation.

The ST-TY92-C3 is fitted with an accelerating resistor, this must be powered to obtain the performance.
Terminal 4 must to be connected to the neutral according to the diagram shown.

⚠ **PLEASE NOTE:**
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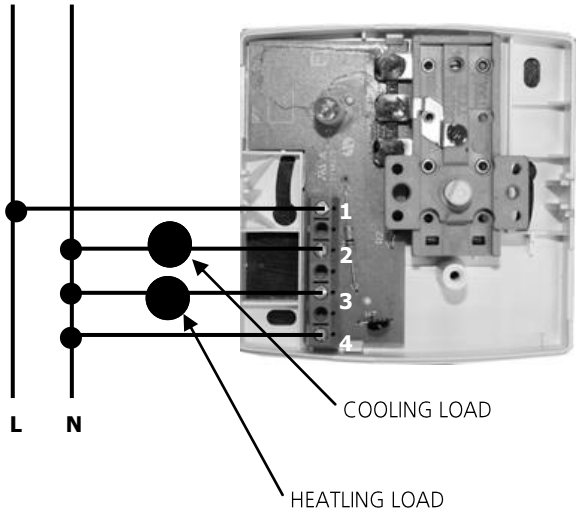

Installation (ST-TY92-C3T)

1. The ST-TY92C3T should only be installed by a competent, suitably trained technician, experienced in installation with hazardous voltages. (>50Vac & <1000Vac or >75Vdc & 1500Vdc)
2. Ensure that all power is disconnected before carrying out any work.
3. Select a location in the occupied space where contaminants are at a minimum, and which will give a representative sample of the prevailing condition.
4. Carefully depress the tabs on the side of the thermostat using a small screwdriver or similar tool and remove the front cover.
5. Using the base as a template mark the hole centres and fix to the wall with suitable screws.
6. Feed cable through the knockout in the base of the housing and terminate the cores at the terminal block leaving some slack inside the unit.
7. Replace the housing to the base plate.

The ST-TY92-C3F is fitted with an accelerating resistor, this must be powered to obtain the performance.
Terminal 4 must to be connected to the neutral according to the diagram shown.

⚠ **PLEASE NOTE:**
There are no internal user adjustable components, the cover should only be removed by a suitably qualified technician experienced in hazardous voltages.