



Features and 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	Specification
ST-TY92C1 Space thermostat heating 5 to 35°C	Operating voltage 220/240Vac @ 50/60Hz
ST-TY92C1F Space thermostat cooling -5 to 15°C	Switching differential <1°K
ST-TY92C3 Space thermostat heating or cooling 5 to 35°C	Switching current 250Vac 10(2)A SPDT; 3(1)A SPST
ST-TY92C3T Tamperproof space thermostat heating or cooling, 5 to 35°C	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
	Conformity LVD, CE & UKCA Marked
	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.
	

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

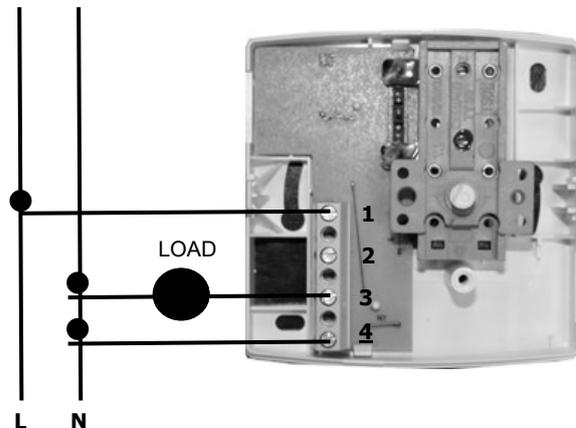
1. The ST-TY92C1 should only be installed by a competent, suitably trained technician, experienced in installation with hazardous voltages. (>50Vac & <1000Vac or >75Vdc & 1500Vdc)
2. Ensure all power is disconnected before carrying out any work.
3. Select a location in the occupied space where contaminants 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)

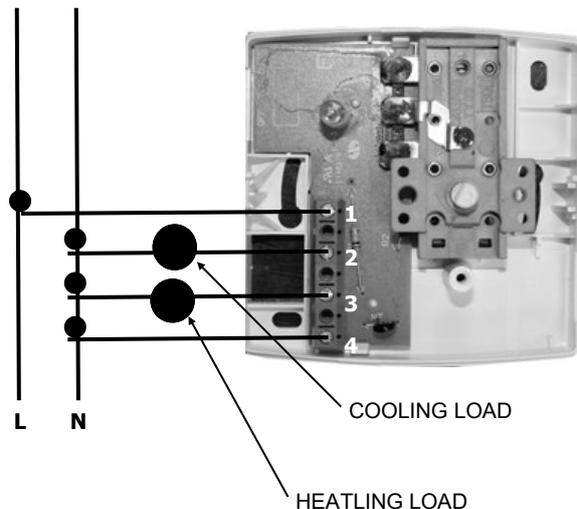
1. The ST-TY92C3 should only be installed by a competent, suitably trained technician, experienced in installation with hazardous voltages. (>50Vac & <1000Vac or >75Vdc & 1500Vdc)
2. Ensure that all power is disconnected before carrying out any work.
3. Select a location in the occupied space where contaminants 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:

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

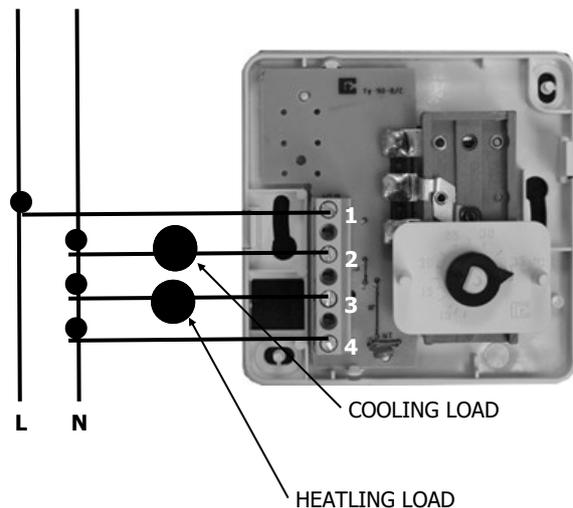


Installation (ST-TY92-C3T)

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.



Whilst every effort has been made to ensure the accuracy of this specification, Sontay cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.