

1/2 inch, Automatic Reset type

THERMOSTAT
US-602

Application/Oven, Heating unit, LBP etc.

Operating temp. 150°C max.



Phenol resin case

US-602SXRLQE



Model code

US-602□□□□□

Cover •
mounting
bracket
type

The material of the bracket stainless steel (other than KO and SO)

- QO : Aluminum cover , no bracket
- QE : Aluminum , movable surface bracket (pitch 23.8mm)
- QE-FB : Aluminum , fixed surface bracket (pitch 23.8mm)
- QL : Aluminum , movable surface bracket (pitch 24.5mm)
- QL-FB : Aluminum , fixed surface bracket (pitch 24.5mm)
- KO : Aluminum , air stream bracket (depth 5.0mm , 24.5mm)
- AS : Stainless , movable surface bracket (pitch 24.0mm)
- IO : Stainless , air stream bracket (depth 4.6mm , 24.5mm)
- JO : Stainless , air stream bracket (depth 5.2mm , 24.5mm)
- QD : Aluminum , movable surface bracket (pitch 30.0mm)
- QM : Aluminum , movable surface bracket (pitch 23.8mm)
(for mounting an M3 tapping screw)
- FO : Stainless cover , no bracket
- FF : Stainless , movable surface bracket (pitch 25.0mm)
- SO : Brass cover , stud mounting type
[M3 × 0.5, M4 × 0.7, M5 × 0.8, 6-32UNC, 8-32UNC, 10-32UNF]

Terminal
type

- L : Terminal for positive lock connector 250 series
(size : 6.35 × t 0.8 material:brass , Sn-plated)
- M : Terminal for positive lock connector 187 series
(size : 4.75 × t 0.5 material:brass , Sn-plated)
- V : Connector IEC60730-1 quasi-terminal
(size : 4.8 × t 0.8 material:brass , Sn-plated)
- S : For soldering (Brass t 0.5 , Ni-plated)

Terminal
angle

- R : Horizontal terminal
- T : Vertical terminal

Contact
type

- X : Open on temperature rise
- Y : Close on temperature rise

Application
type

- S : Ag •Ag alloy contact / standerd case
- K : Au cross bar contact / standerd case



US-602SXRSKO



US-602SXTSSO

Specification

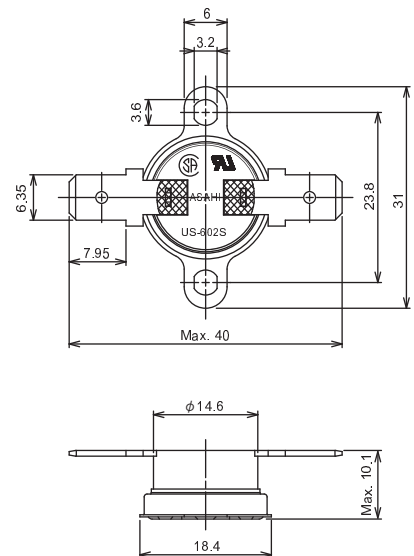
Electrical rating	Type S : 125 VAC 15A max. (200mA min.) 250 VAC 8A max. (200mA min.) Type K : 30 VDC 1A max. (5 VDC 1mA min.) 120 VAC 125 VA (Pilot Duty)		
Operating temp. range	0~50°C	51~100°C	101~150°C
Temperature tolerance	±4K / ±5K	±4K / ±6K	±5K / ±7K
Differential	12K	15K	20K
Circuit resistance	Type S : 50 mΩ or less Type K : 10 mΩ or less		
Insulation resistance	100 MΩ or more [with a 500 VDC megger]		
Dielectric strength	Type S : 1500 VAC / 1 min. Type K : 1200 VAC / 1 min.		
The max. override temp.	150°C		
Cold resistance	-20°C		
Switching durability	100,000 times or more [at rated load]		

* The differential varies slightly with the operating temperature.

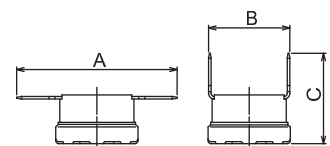
* Please contact the Overseas Sec for the details since the type s and specifications of the approved models are slightly different from those shown above.

Dimensional drawings

US-602SXRLQE



Terminal type and angle



R : Horizontal terminal T : Vertical terminal

[Unit : mm]

Terminal type	A	B	C
L	Max.40	(17.0)	(21.0)
M	Max.36	(16.0)	(19.5)
V	Max.33	(16.6)	(18.2)
S	Max.28	(16.0)	(14.8)

※ Above dimation is applied for US-602

※ For Cover and bracket model, please refer to page 16.