

SU105 Series Controllers



SU-105pt / k / trr

SU-105t / ta

MODEL	SU-105pt	SU-105k	SU-105trr	SU-105arr	SU-105ta	SU-105t
Input sensor	PT	K	T	4~20mA	Thermistor	Thermistor
Measure range	-200~400	-200~999	-200~400	0~999	-50~150	-50~150
SENSOR	Separate	Separate	Separate		Attach	Attach
Precision	F.S 0.2%	F.S 0.3%	F.S 0.3%		F.S 0.5%	F.S 0.5%
Indication unit	-within range of -99.9~99.9 : increase or decrease ± 0.1 -outside range of -99.9~99.9 : increase or decrease ± 1					

Source of electricity

- Basic form : AC100~240V(change rate of permission power $\pm 10\%$)
- Option : DC12V, DC24V

OUT1

- Basic form :Relay output(AC250/5A, DC12V, A, B contact),Conversion of Cooling control(C), Heating control(H), ON/OFF Control, Ratio control
- Option : SSR out(DC12V)

OUT2

- Basic form : Relay output(AC250/2A, DC12V, A,B contact), Conversion of Cooling control(C), Heating control(H), Possibility of conversion into an OUT1 ON/OFF timer and possibility of separated setting from OUT1
(example) SV1:25.0 SV2:50.0 OUT1: cooling, OUT2 : heating (**SU-105t has no OUT2**)
- Option : SSR out(DC12V)

Relay Durability

- Mechanical load : about one million times and above
- Electrical durability : three hundred thousand times and above

Temperature&Humidity

- Temperature : 0~50°C
- Humidity : 20~85%

Special feature

- Proportional control(pi) : Control of temperature after conversion into proportional control because the rising temperature cannot be controlled by remaining warmth in ON/OFF control (SU-105pt, 105k)
- Filtering : Mitigation of it with a filtering value because there may happen a phenomenon that numbers swing when the sensor line is combined with the power route
- Assurance of input sensor : A function to compensate it because there may happen an error in the detection value if the sensor line is lengthened or aged
- Limit of setting range
- Possibility of converting OUT2 into a timer and using it as an ON/OFF timer
- LOC function : Locking to prohibit correction of detailed setting by anyone except for the installer

SIZE

- Dimensions : (W) 76mm×(H) 34mm
- Panel size : (W) 70mm×(H) 28mm