SIMPLE OPERATION TYPE OF TEMPERATURE CONTROLLER

▣Ordering information

TC	3	Y	T	–	B	4	R	3

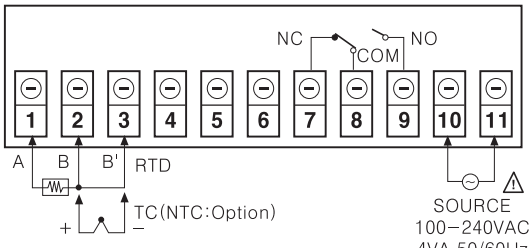
Relay capacity	3	250VAC 3A 1c
	16	250VAC 16A 1c
Control outputOutput	R	Relay output
Power supply	4	100–240VAC 50/60Hz
Control mode	B	ON/OFF and proportional control(common use)
Setting type	T	Touch S/W single setting type
Size	Y	DIN W72×H36mm
Digit	3	3Digit
Item	TC	Temperature Controller

▣Specifications

Model	TC3YT-B4R3	TC3YT-B4R16
Appearances & Dimensions	NEW  [W72×H36×L77mm]	
Power supply	100–240VAC 50/60Hz	
Allowable voltage range	90 ~ 110% of rated voltage	
Power consumption	4VA	
Indication method	7Segment LED Display(Red) [Deviation "■" signal(Green), unit display(Yellow)]	
Display method	[PV ±0.5% or ±1℃ Max.] rdg ±1digit	
Sampling period	500ms	
Input type	(★1) • T.C(Thermocouples) : K(CA), J(IC) • RTD : Pt100Ω(DIN)	
Control method	ON/OFF and proportional control(common use)	
Control output	Relay output 250VAC 3A 1c	Relay output 250VAC 16A 1c
Hysteresis	1 ~ 100℃	
Proportional band	0 ~ 100%	
Offset correction	0 ~ 100%	
Control period	1 ~ 120sec	
Memory protection	Approx. 10 years(When using non-volatile semiconductor memory)	
Insulation resistance	Min. 100MΩ(at 500VDC)	
Dielectric strength	2000VAC 60Hz for 1 minute(between all external terminal and case)	
Noise strength	±2kV R-phase and S-phase(pulse width 1μs)	
Relay life cycle Mechanical	Min.10,000,000 times	
Relay life cycle Malfunction	Min.10,000,000 times (250VAC 3A resistive load)	Min.10,000,000 times (250VAC 16A resistive load)
Vibration	0.75mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 1 hours	
Ambient temperature	-10 ~ 50℃(at non-freezing status)	
Storage temperature	-20 ~ 60℃(at non-freezing status)	
Ambient humidity	35 ~ 85%RH	
Protection	IP65	

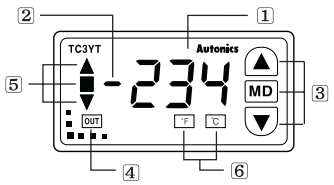
※(★1) NTC sensor input is optional.

▣Connections



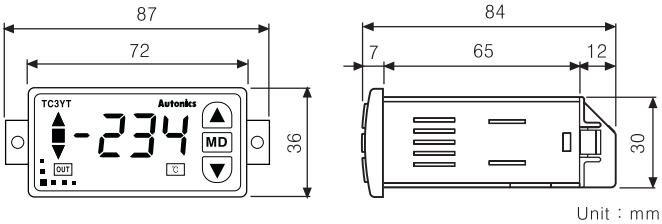
※TC3YT-B4R3 : 250VAC 3A
※TC3YT-B4R16 : 250VAC 16A

▣Front panel identification



1 PV(Process value) display(Red)
2 Minus display(Red)
3 Control Keys(MD, UP, DOWN)
4 Display operation of control output(Red)
5 Display deviation between PV(Process value) and SV(Setting value) : ▲, ▼(Red) / ■(Green)
6 PV(Process value) ℃/°F unit display(Yellow)

▣Dimensions



Unit : mm