

ETC2013/2014 Proportional-plus-integral (PI) Controllers



Summary

ETC2013 Proportional-plus-integral (PI) controller is applicable with EST-1011T temperature sensor. The controller shall be able to provide with independent control in heating and heating applications. When deviation happens between the ambient temperature and the set point, it is able to regulate in proportional-plus-integral way.

Specifications

Model	ETC2013,on/off (two pipe)	ETC2014,modulating(two pipe)
Operating voltage	AC24V 50/60Hz	
Power consumption	AC24V 0.5A	0-10V signal
	DC15V 0.5A	10mA MAX
Sensing element	NTC thermistor	
Setting range	0°C ~ 40°C	12°C ~ 28°C
Reset time	3 ~ 5min	
Presion	±1°C	
Material	ABS plastics	
Operation ambient	Temperature: 0 ~ 50°C	
	RH: 10 ~ 95%RH non-condensing	
Storage	-40°C ~ +70°C	
IP protection	30	

Winter/summer switching (only for ETC-2013/2014)

Changeover switch	Controlled variable	Terminal connection	
		③ and ④	④ and ⑤
RA—winter mode	More than set point	1	0
	Equal to set point	0	0
	Less than set point	0	1
DA—summer mode	More than set point	0	1
	Equal to set point	0	0
	Less than set point	1	0

Remarks "1" suggests ON "0" suggests OFF

LED	Status	
	On	Running
	Flashing	backup
	Off	Stop