HTC–BASIC-240v

LOW COST 240v Powered REPLACEMENT FOR HTC2 & 4

TEMPERATURE CONTROLLER
2 STAGE HEAT + 2 STAGE COOL.

Features

- **Australian Made and designed**
- Power Supply 240V AC
- 10 Amp (Resistive) Potential free relay contacts
- L.E.D Indication of all outputs
- Various remote sensor options available
- Mounts in most M.C.B din rail enclosures
- Compatibility to a vast range of AC Units & Heat Pumps
- Universal input version also available "HTC-UNIVERSAL"

Use

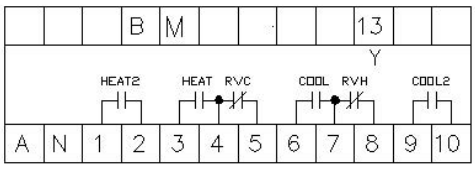
The **HTC-BASIC** Temperature Controller is designed as a low cost budget simple & reliable replacement for an existing HEVAC HTC2 or 4 temperature controller for the control of upto 2 Stages of Heating and 2 Stages of Cooling on/off relay outputs.
This version controller is powered by 240vAC (24vac version available) and the output relays are voltage free permitting use with 12v ~ 240 Volt circuitry as required. The ON/OFF status is still displayed via LED indicators.
The stage deadband turn on points are not adjustable on this budget controller and are fixed at 1 degree intervals which was the typical standard settings on the HTC4. Also as a budget controller there are no variations on this controller , if replacing an extended version of a HTC controller that had extra outputs, a replacement controller of the same type is still available on request, ie HTC4DE.
Another variation of this controller is also now available called **HTC-UNIVERSAL,** which has a selectable input card allowing it to be used as a universal replacement controller for most old analog controllers of other brands with the added ability to even read the existing sensor. The controller as per above has fixed 2H/2C stages plus the addition of 0-10vDC outputs for heating & cooling, its even possible to convert the existing two wire sensor into an adjustable setpoint version which we can produce in our standard SRT_-SP room sensor housing

Made in Australia
100% Australian Owned Company

Technical Data

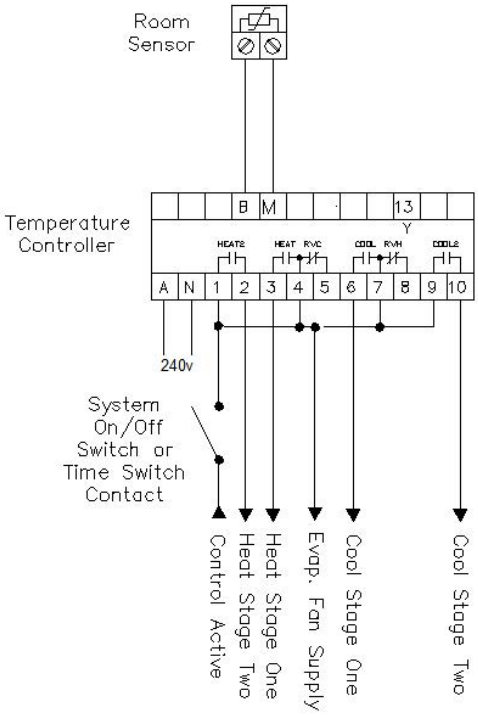
General Specifications	Operating Voltage	240 Volts AC
	Power Consumption	
	At 240 Volts	7 VA
	Switching Capacity of Relays	
	Voltage	AC 0….250 Volts
	Current	10 (3) A
	Setpoint Setting Range	16…28 oC
	Stage 1 turn on point	1.0
	Stage 2 turn on point	2.0
	Switching Differential Stage 1	0.3 oC
	Switching Differential Stage 2	0.7 oC
	Output Indication	
	Heating	2 x Red LED's
	Cooling	2 x Green LED's
Environmental Conditions	Operation	
	Ambient Temperature	0...45oC
	Humidity	< 85 % RH (Non Condensing)
	Storage and Transport	
	Ambient Temperature	-5...65oC
	Humidity	< 90 % RH (Non Condensing)
Product Standards	C-tick	N10842
Weight	Including Packaging	470 grams
Housing	Colour	Grey
	Material	ABS POLYCARB
	UV Stabilised	YES
	Fire Retardant	YES
	Size	L105mm x W105mm x D60mm
	Mounting Method	35mm Din Rail Mountable

Terminal Designations



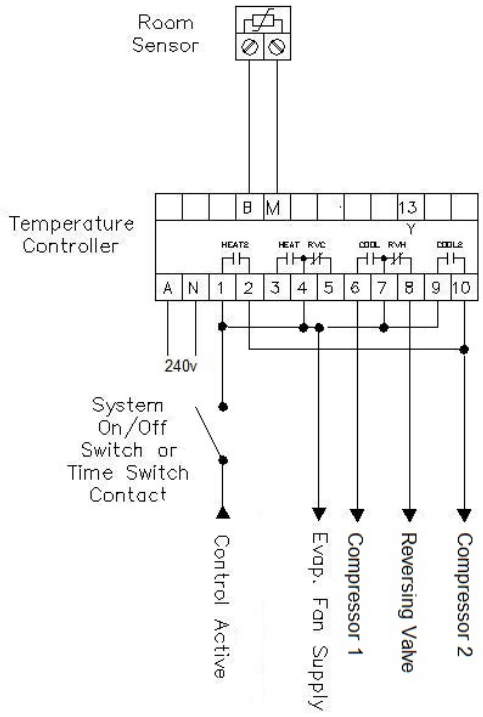
B	Sensor Input
M	Sensor Input Common
13	Y Signal Output (For HRC Slave Relay ONLY)
A	240 Volt AC Supply Active
N	240 Volt AC Supply Neutral
1	Heating Stage 2 Common
2	Heating Stage 2 Output
3	Heating Stage 1 Output
4	Heating Stage 1 & R/V for Cool Common
5	Reversing Valve for Cool Output
6	Cooling Stage 1 Output
7	Cooling Stage 1 & R/V for Heat Common
8	Reversing Valve for Heat Output
9	Cooling Stage 2 Common
10	Cooling Stage 2 Output

Application Example (1)



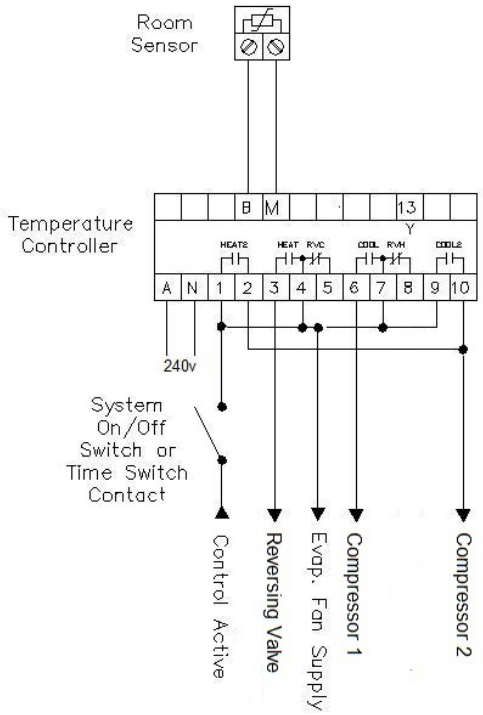
Typical for Heat/Cool type Air-conditioning Units

Application Example (2)



Typical for Compressor Reversing Valve type A/C Units where the R/V energises on Heating

Application Example (3)



Typical for Compressor Reversing Valve type A/C Units where the R/V energises on Cooling