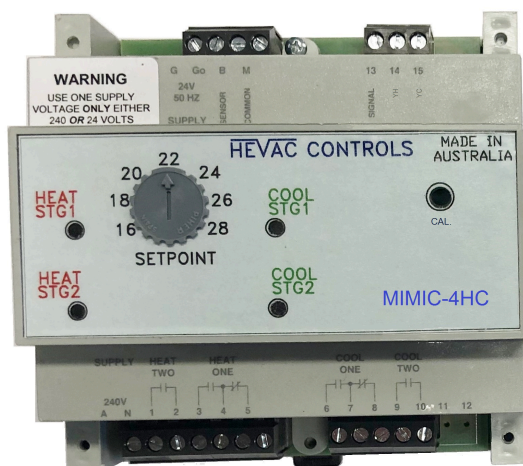


MIMIC-4HC



DUAL VOLTAGE

**GENERAL PURPOSE BUDGET REPLACEMENT
TEMPERATURE CONTROLLER (FOR PASSIVE RESISTANCE SENSORS)**

CAN TYPICALLY REPLACE :

REGULATOR® ET45 & TC2000.

SIEMENS® RWD32,34,44,45,82 & RWF21.40.

DELTA DORE® T2+2C. TOUR & ANDERSON® C80. &

**GENERAL TEMPERATURE CONTROLLERS USING
10K Type 11 SENSORS- ie SMARTTEMP®, HONEYWELL®,
SCHNEIDER®, INNOTECH®.**

TEMPERATURE CONTROLLER 2 STAGE ON/OFF HEAT & COOL + 0-10VDC HEAT & COOL O/P's

Features

- **Australian Made and designed**
- Power Supply can be either 24V or 240V AC
- 10 Amp (Resistive) Potential free relay contacts
- L.E.D Indication of relay 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
- Selectable input card to use existing common sensors.

Use

The **MIMIC-4HC** Temperature Controller is designed using our tried & proven reliable analog technology & in a similar style to our long lived HTC series of controllers, that has typically continued to operate even after 30 years in the field. This controller version has been produced as a handy one size fits all controller to keep in the service van for quick replacement if the original controller isn't available or has proved to be unreliable or problematic.

The controller is typically suitable to replace an existing temperature controller of other brands where the basic control of up to 2 Stages of on/off Heating & 2 stages of Cooling (4 relay outputs) + 0-10vdc outputs for heating & cooling for modulation of actuators or variable speed compressors is required.


As per our legendary HTC4, this controller can be powered by 24 or 240vAC and the output relays are voltage free permitting use with 12v ~ 240 Volt circuitry as required.

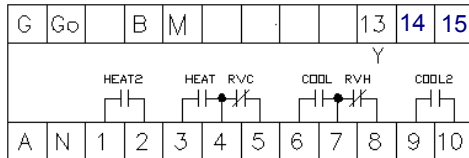
The heating & cooling ON/OFF relay status is displayed via LED indicators.

The MIMIC-4HC has a special input card that can be set to allow use of the existing temperature sensor of most common brands. The stage turn on points (deadband) are not adjustable on this budget controller and are fixed at 1 degree intervals which was the typical standard settings on most 2H/2C controllers. This controller can be connected to our range of slave modules (HRC...) if extra outputs are required. If features & outputs are required beyond the capability of this product look at using our HTC3, 5 or DIGITAL-LCD series controllers.



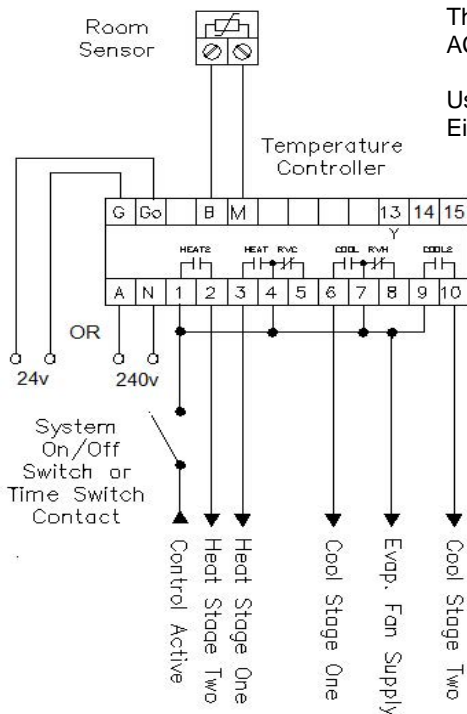
Technical Data

General Specifications	Operating Voltage	24 Volts AC or 240 Volts AC
	Power Consumption	
	At 240 Volts	7 VA
	At 24 Volts	1 VA
	Switching Capacity of Relays	
	Voltage	AC 0...250 Volts
	Current	10 (3) A
	Setpoint Setting Range	16...28 °C
	Stage 1 turn on point	1.0
	Stage 2 turn on point	2.0
Environmental Conditions	Switching Differential Stage 1	0.3 °C
	Switching Differential Stage 2	0.7 °C
	YH & YC 0-10VDC start point	1.0
	proportional band	1.0
	Output Indication	
	Heating	2 x Red LED's
	Cooling	2 x Green LED's
	Operation	
	Ambient Temperature	0...45°C
	Humidity	< 85 % RH (Non Condensing)
Product Standards	Storage and Transport	
	Ambient Temperature	-5...65°C
	Humidity	< 90 % RH (Non Condensing)
	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



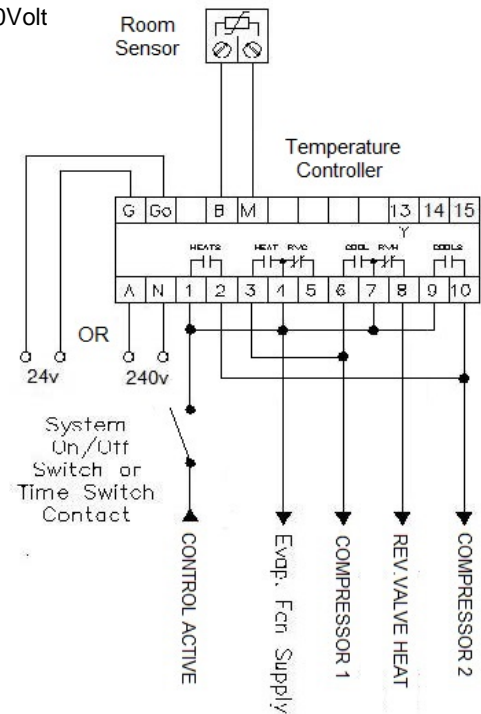
- G 24 Volt AC Supply Active
- Go 24 Volt AC Supply Ground Reference
- B Sensor Input
- M Sensor Input Common
- 13 Y Signal Output (For HRC Slave Relay ONLY)
- 14 Heating 0-10vdc signal
- 15 Cooling 0-10vdc signal
- A 240 Volt AC Supply Active
- N 240 Volt AC Supply Neutral
- 1 Heating Stage 2 Common
- 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

Connection Examples



The Controller requires either a 240Volt AC or 24 Volt AC Supply.

Use ONE Supply Voltage Only
Either 240 or 24 Volts AC



Typical for Heat/Cool type Air-conditioning Units

Typical for Compressor / R/V type Air-conditioning Units

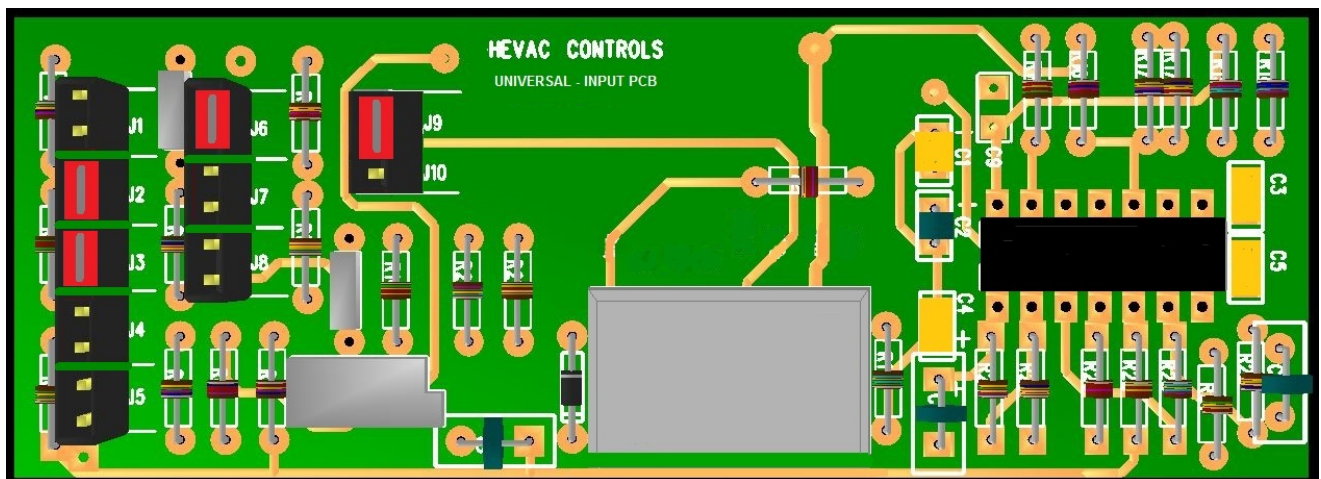
TRANSPOSITION TERMINAL INFORMATION

* GUIDE ONLY CHECK CONNECTIONS PER SITE REQUIREMENTS, SOME CONTROLLERS HAVE USER SELECTABLE RELAY ASSIGNMENTS, SO BELOW DETAIL WILL NEED TO BE CHECKED PER INSTALLATION.

FOR DUAL POWER
SUPPLY CONTROLLERS
USE ONLY ONE SUPPLY

FOR DUAL POWER SUPPLY CONTROLLERS USE ONLY ONE SUPPLY		SELECTABLE RELAY ASSIGNMENTS, SO BELOW DETAIL WILL NEED TO BE CHECKED PER INSTALLATION.																								
HEVAC	MIMIC-4HC	A	N	G	G0	B	M	1	2	3	4	5	6	7	8	9	10									
REGULATOR ®	ET45																									
REGULATOR ®	TC2000																									
DELTADORE ®	T2+2C																									
SMARTTEMP ®	HVAC32																									
INNOTECH ®	IMT5022	240v	24v	sensor	H2		H1						C1			C2										
SIEMENS ®	RWD32	COMPLETE TERMINAL DETAIL ON BOX LEAFLET																								
SIEMENS ®	RWD34																									
SIEMENS ®	RWD44																									
SIEMENS ®	RWD45																									
SIEMENS ®	RWD82																									
SIEMENS ®	RWF21.4			G	G0	B1	M	Q13	Q11	Q23	Q21		Q33	Q31		Q43	Q41									

COMPLETE TERMINAL
DETAIL ON BOX LEAFLET



INTERNAL INPUT CARD SHOWING RED (or BLACK) INPUT TYPE SELECTOR JUMPERS

TO SUIT SIEMENS SENSORS FIT JUMPERS

J2, J3, J6 & J9 (Factory default)

TO SUIT TOUR&ANDERSON SENSORS FIT JUMPERS

J3, J4, J6, J7, J8 & J10

TO SUIT DELTA DORE SENSORS FIT JUMPERS

J3, J7, J8, J10

TO SUIT 10K TYPE-11 SENSORS FIT JUMPERS

J1, J2, J3, J4, J5, J6, J7, J8 & J10

TO SUIT REGULATOR SENSORS FIT JUMPERS

J2, J4, J6, J7, J8, J10