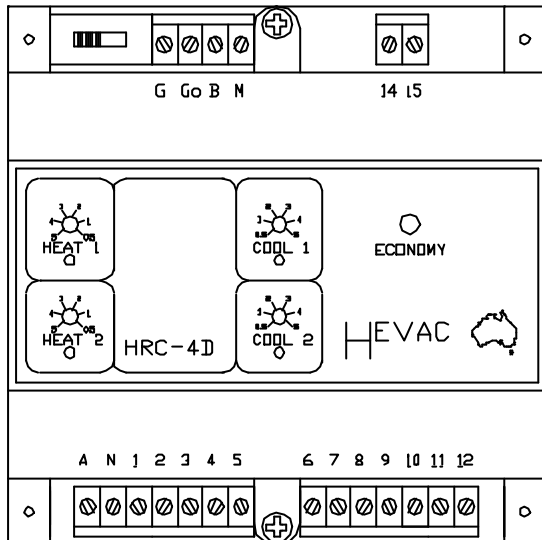


## HRC SERIES

### HRC- 4D

#### 2 HEAT/3 COOL STAGING RELAY with ECONOMY CYCLE COMPARATOR



*The **HRC-4D** staging relay is intended for use with the slave output on the HTC analogue range of controllers.*

*This module offers 2 stages of Heat and 2 stages of Cool and also incorporates an ON/OFF Two position Economy Cycle Output with a Comparator Override.*

*This output is produced by comparing the outside air temperature to either the return air or room temperatures.*

*If the **HRC-4D** is in the cooling mode and the outside air is lower than the room/return air temperature the ON/OFF Economy Cycle relay will energise.*

#### Features

- Australian made and designed.
- Dual supply voltage 24v or 240v A.C (User Selectable)
- 10 AMP (resistive) Potential free relay contacts.
- L.E.D Indication of all outputs.
- Compatible with all the HEVAC HTC analogue range.
- Comparator Override via room or return air sensor.
- ON/OFF Two position Economy Cycle Output.

#### HEAD OFFICE:

54 Howleys Road,  
Notting Hill, Vic. 3168  
Phone: (03) 9562 7888  
Fax: (03) 9562 7835

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[www.hevac.com.au](http://www.hevac.com.au)

EMAIL

SALES: [sales@hevac.com.au](mailto:sales@hevac.com.au)

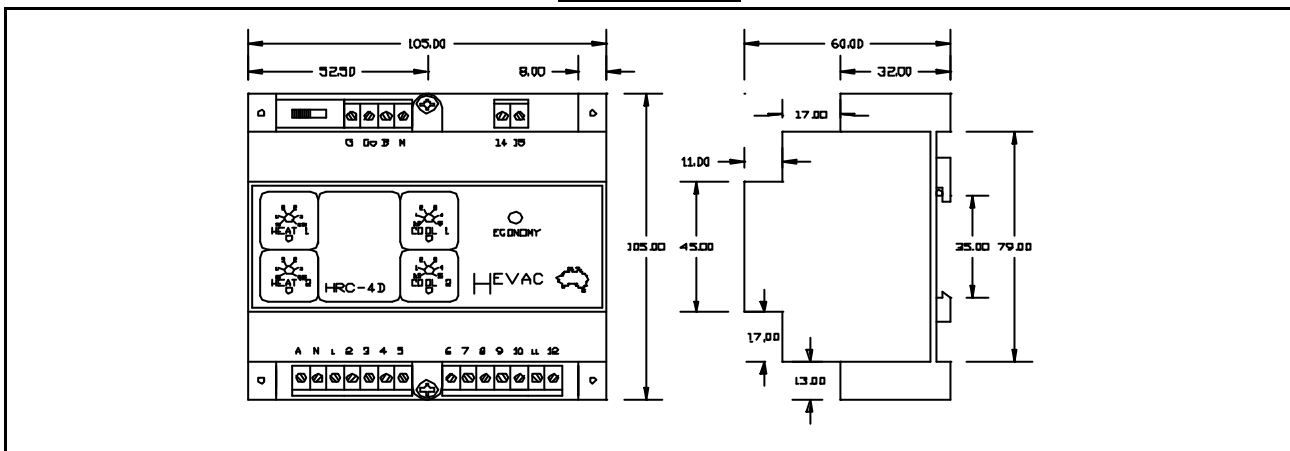
TECHNICAL: [technical@hevac.com.au](mailto:technical@hevac.com.au)

## HRC-4D Technical Specifications

Power supply (User Selectable)	24VAC or 240VAC
Power consumption 240 volts	7 VA
Power consumption 24 volts	1 VA
Heating and Cooling relay outputs	240VAC 10 amp resistive, 3 amp inductive
Input terminal voltage range	0-10VDC
Switching differential for STAGE 1	0.3 Degrees Centigrade
Switching differential for STAGE 2	0.7 Degrees Centigrade
Switching differential for Economy Output	0.5 Degrees Centigrade
STAGE 1 & 2 start point adjustment range	0.5 to 5.0 Degrees Centigrade
Economy Cycle Output start point	0.5 Degrees above setpoint (Non Adjustable)
Output indication	Green LED for Cooling Red LED for Heating Yellow LED for ON/OFF Economy Output
(Located on the right hand side of control fascia)	
Mounting method	35mm DIN rail (Not supplied)

## Dimensions

ALL DIMENSIONS IN MILLIMETRES



## Terminal Designations

<b>G</b>	24 VOLT AC SUPPLY ACTIVE	<b>3</b>	HEATING STAGE 1 OUTPUT
<b>Go</b>	24 VOLT AC SUPPLY GROUND REFERENCE	<b>4</b>	(HEATING STAGE 1 & R/V FOR COOL) COMMON
<b>B</b>	0-10VDC INPUT	<b>5</b>	REVERSING VALVE FOR COOLING OUTPUT
<b>M</b>	SIGNAL GROUND	<b>6</b>	COOLING STAGE 1 OUTPUT
<b>14</b>	RETURN AIR SENSOR INPUT (SEE NOTE BELOW)	<b>7</b>	(COOLING STAGE 1 & R/V FOR HEAT) COMMON
<b>15</b>	OUTDOOR SENSOR INPUT	<b>8</b>	REVERSING VALVE FOR HEATING OUTPUT
<b>A &amp; N</b>	240 VOLT AC SUPPLY	<b>9</b>	COOLING STAGE 2 COMMON
<b>1</b>	HEAT STAGE 2 COMMON	<b>10</b>	COOLING STAGE 2 OUTPUT
<b>2</b>	HEATING STAGE 2 OUTPUT	<b>11</b>	TWO POSITION ECONOMY CYCLE COMMON
		<b>12</b>	TWO POSITION ECONOMY CYCLE OUTPUT