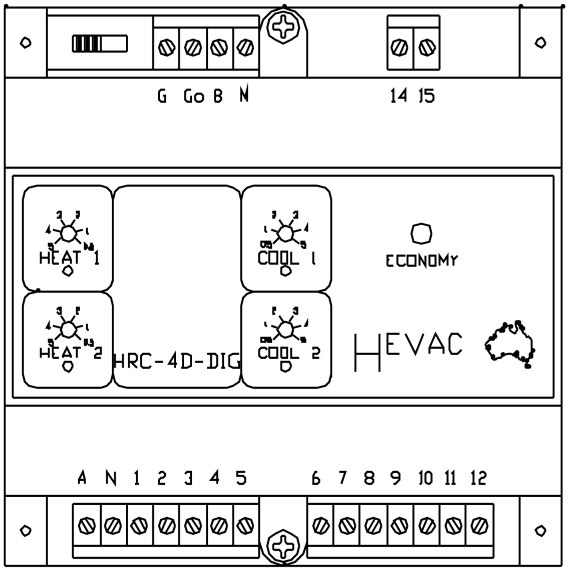
HRC SERIES

HRC- 4D-DIG

2 HEAT/3 COOL STAGING RELAY with ECONOMY CYCLE COMPARITOR



*The **HRC-4D-DIG** staging relay is intended for use with the YB slave output on the HTC DIGITAL 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 Comparitor Override.

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

*If the **HRC-4D-DIG** 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.
- For use with the HEVAC HTC Digital Controller range.
- Comparitor Override via room or return air sensor.
- ON/OFF Two position Economy Cycle Output.

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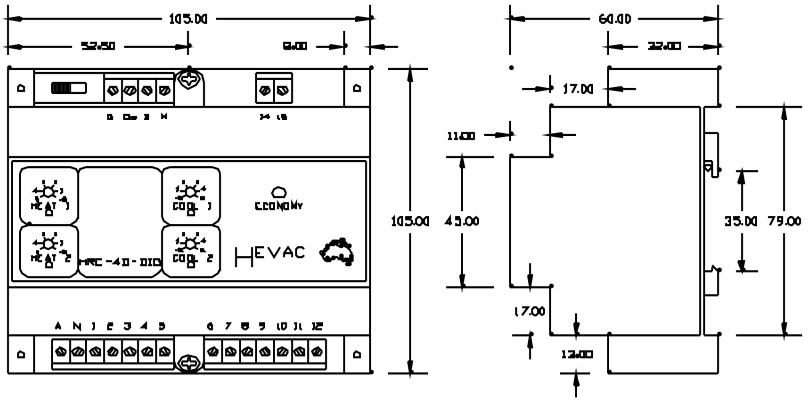
HRC-4D-DIG Technical Specifications

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	*0-5 VDC*
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
(Located on the right hand side of control fascia)	*Yellow LED for ON/OFF Economy Output*
Mounting method	*35mm DIN rail (Not supplied)*

Dimensions

ALL DIMENSIONS IN MILLIMETRES



Terminal Designations

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

WHEN A RETURN AIR SENSOR IS NOT USED A WIRE LINK MUST BE FITTED BETWEEN TERMINALS **B** & **14,** AND THE INTERNAL CIRCUIT BOARD **JUMPER** MUST BE REMOVED.