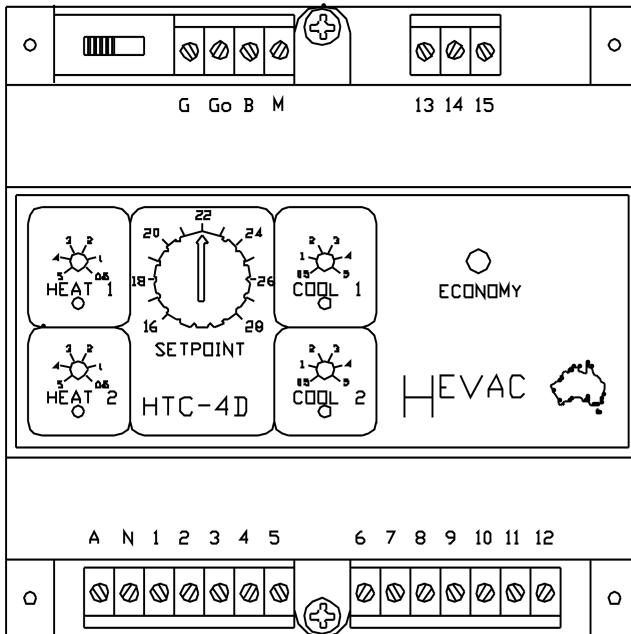


# HTC SERIES

## HTC- 4D

### 2 HEAT/3 COOL CONTROLLER with ECONOMY CYCLE COMPARITOR



*The **HTC-4D** temperature controller is primarily designed for the control of 2 Heat and 2 Cool air-conditioning units, 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 **HTC-4D** is in the cooling mode and the outside air is lower than the room/return air temperature the 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.
- Various remote sensor options available.
- Comparitor Override via room or return air sensor.
- ON/OFF Two position Economy Cycle Output.



**AUTOMATED  
BUILDING  
SOLUTIONS**

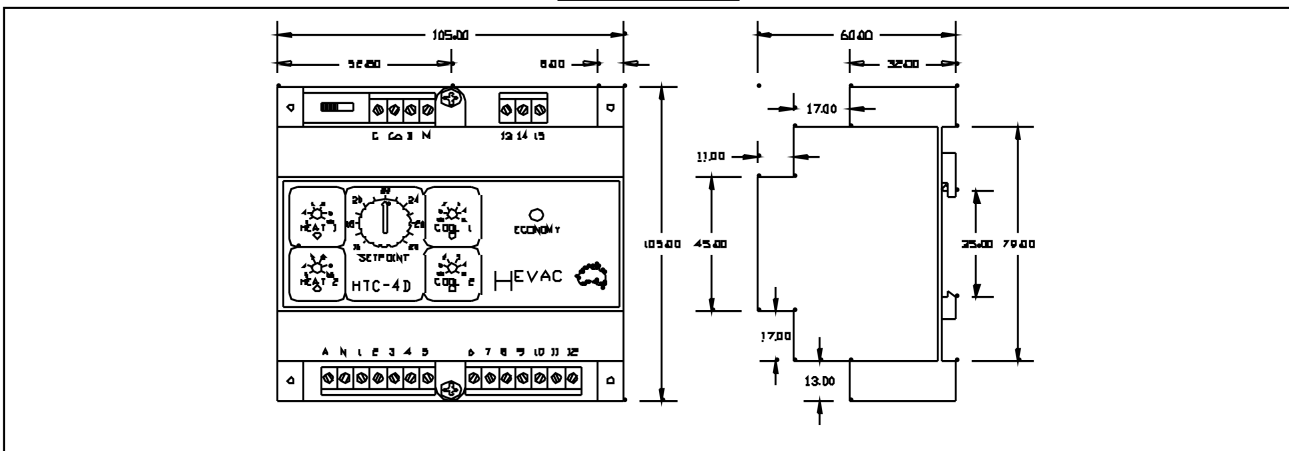
5 Phillips Street Thebarton SA 5031  
ph : (08) 82442844 fax (08) 82442955  
sales@automatedcontrols.com.au

## HTC-4D Technical Specifications

<i>Power supply (User Selectable)</i>	24VAC or 240VAC
<i>Power consumption 240 volts</i>	7 VA
<i>Power consumption 24 volts</i>	1 VA
<i>Heating and Cooling relay outputs</i>	240VAC 10 amp resistive, 3 amp inductive
<i>Temperature range</i>	16 to 28 Degrees Centigrade
<i>Switching differential for STAGE 1</i>	0.3 Degrees Centigrade
<i>Switching differential for STAGE 2</i>	0.7 Degrees Centigrade
<i>Switching differential for Economy Output</i>	0.5 Degrees Centigrade
<i>STAGE 1 &amp; 2 start point adjustment range</i>	0.5 to 5.0 Degrees Centigrade
<i>Economy Cycle Output start point</i>	0.5 Degrees above setpoint (Non Adjustable)
<i>Output indication</i>	Green LED for Cooling Red LED for Heating
<i>(Located on the right hand side of control fascia)</i>	Yellow LED for ON/OFF Economy Output
<i>Mounting method</i>	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>	ROOM SENSOR INPUT	<b>5</b>	REVERSING VALVE FOR COOLING OUTPUT
<b>M</b>	COMMON FOR ALL SENSOR INPUTS	<b>6</b>	COOLING STAGE 1 OUTPUT
<b>13</b>	Y SIGNAL OUTPUT	<b>7</b>	(COOLING STAGE 1 & R/V FOR HEAT) COMMON
<b>14</b>	RETURN AIR SENSOR INPUT (SEE NOTE BELOW)	<b>8</b>	REVERSING VALVE FOR HEATING OUTPUT
<b>15</b>	OUTDOOR SENSOR INPUT	<b>9</b>	COOLING STAGE 2 COMMON
<b>A &amp; N</b>	240 VOLT AC SUPPLY	<b>10</b>	COOLING STAGE 2 OUTPUT
<b>1</b>	HEAT STAGE 2 COMMON	<b>11</b>	TWO POSITION ECONOMY CYCLE COMMON
<b>2</b>	HEATING STAGE 2 OUTPUT	<b>12</b>	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.