

C-Bus Four Zone Programmable Thermostat

C-Bus®

CLIPSAL
LIVING ELECTRICAL



5070THP Series

The C-Bus 4 Zone Programmable Thermostat regulates air temperature through control of domestic and commercial heating and cooling plant via a C-Bus system.

The unit includes an easy to use interface, comprising of an LCD, control buttons and a rotating dial with an integral 'press' switch.

The unit allows manual fan speed control (where the controlled plant allows for this). This is enabled or disabled using a configuration parameter during commissioning.

Thermostats incorporate a 'Setback' or 'Economy Mode' feature which allows the unit to operate with a wider than normal temperature range around a Setpoint. This is usually used when the home or building is unoccupied. Setback allows energy saving, whilst maintaining a degree of comfort. The Setback feature can be enabled or disabled via a C-Bus Lighting Group Address.

The C-Bus Programmable Thermostat is available in two model variants. A version which includes five relays for driving 'RWG' style HVAC control lines and a version which does not include relays. Both variants are available with White (Saturn style), Black and Stainless Steel facias.

The variant that includes relays includes a screw terminal block used to terminate the RWG control lines.

The unit includes a screw terminal block for connection to the C-Bus network.

The LCD displays temperature in either degrees Celsius or degrees Fahrenheit, as selected by the installer or operator. The LCD is capable of displaying temperature in the range -50°C (-58°F) to 37°C (99°F) and is backlit with white LED's, with the level adjustable via C-Bus configuration parameters.

A temperature sensor is also incorporated into the unit, with an accuracy $\pm 0.5^\circ\text{C}$ at 25°C and $\pm 1^\circ\text{C}$ over the operational temperature range. The unit broadcasts the displayed temperature on C-Bus to enable other C-Bus devices to be able react to this information (eg, C-Bus Colour Touch Screen or Pascal Automation Controller).

The thermostat has a two year warranty.

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5070THP Series

C-Bus Four Zone Programmable Thermostat 5070THP Series

- Support for control of HVAC units via C-Bus or internal relays ('RWG' control)
- Zone control of up to four switched zones for ducted systems (plus the common zone)
- 7-day programmable HVAC schedules
- Support for remote temperature sensing by other C-Bus devices
- Optional manual fan speed control (for HVAC plant that supports variable fan speeds)
- Setback capability for reducing energy consumption
- Includes over-voltage protection for the C-Bus
- Consumes 40mA from C-Bus
- Operating voltage of 15-36V DC (C-Bus voltage)
- Optional audible feedback programmable via C-Bus Toolkit Software
- Unit receives and transmits HVAC commands on the C-Bus Air Conditioning Application
- Includes a seven-day schedule, used for automatic operation
- Screw-down terminal block for C-Bus Cat-5 cable connections.

Product of Clipsal Australia Pty. Ltd.

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