



5031TS Series

The C-Bus® Temperature Sensor is a C-Bus® input unit used to measure ambient temperature and issue 'on' or 'off' commands over the C-Bus® network. Output units respond to the commands by switching the load.

The sensor has a range between 0°C and 50°C (32°F to 122°F). The installation software is used to set the 'high' and 'low' temperature limits and the 'offset'. The 'offset' represents the maximum allowed variation (dead-band) of the measurement range in respect to the pre-set limits. If the measured temperature stays within the dead-band no action will be taken by the sensor.

The sensor incorporates filtering and some degree of hysteresis, to suppress noise and compensate for rapid temperature fluctuations.

The sensor can control one C-Bus® 'Group Address', in either 'cooling mode' or 'heating mode', but not both simultaneously. The device controlled by the sensor is selected using the installation software.

The unit also features an 'offset disable' or economy mode, which is used to raise or lower the switching band for a situation when the room is unoccupied and a complete system shutdown is not desired. When the device is in the heating mode, the offset will shift the high and low values down by the amount specified in the offset field. Similarly when the cooling mode is selected the values shift upwards.

The C-Bus® Installation Software is used to configure the device. Communication with other C-Bus® devices and the supply voltage is obtained via a single C-Bus® twisted pair cable.

In the event of a power failure, an inbuilt non-volatile memory retains programmed information relating to the current operating status of the unit.

The C-Bus® Temperature Sensor initiates a regular status report, which compares the status of all input and output units within the same C-Bus® 'Application Address'. If a state of disagreement exists between the output units and the input units the C-Bus® Temperature Sensor will change its internal state to suit the output.

A light emitting diode (LED) status indicator on the C-Bus® Temperature Sensor is used to report the current state of the load controlling device. The LED can be programmed through the Installation Software to report the state of any of the C-Bus® 'Group Addresses'.

clipsal.com/cis

5031TS Series C-Bus® Temperature Sensor

- Available in Australian Series, British Pattern Series
- Wall mounted
- Temperature measurement range between 0°C and 50°C (32°F to 122°F)
- Accuracy of +/- 1.0°C
- Designed to meet Australian and European standards for EMC Compliance and Safety
- Configured via the C-Bus® installation software
- An inbuilt non-volatile memory retains programmed information of the unit in the event of a power failure
- Communication with other C-Bus® devices and the supply voltage is obtained via a single C-Bus® twisted pair cable
- Initiates a regular status report, which compares the status of all input and output units within the same C-Bus® 'Application Address'
- A light emitting diode (LED) status indicator on the unit is used to report the current state of the load controlling device.

Product of Clipsal Australia Pty. Ltd.

A member of the Schneider Electric Group.

Head Office

12 Park Terrace, Bowden
South Australia 5007
PO Box 103 Hindmarsh
South Australia 5007

Telephone +61 8 8345 9500
Facsimile +61 8 8346 0845
Internet www.clipsal.com/cis
E-Mail cis@clipsal.com.au

CIS Technical Support Hotline:
1300 722 247

Customer Service Enquiries:
1300 2025 25

National Customer Service Facsimile:
1300 2025 56

International Enquiries

International Sales and Marketing

Telephone +61 8 8269 0587
Facsimile +61 8 8340 7350
E-Mail export@clipsal.com.au

New Zealand

Clipsal Industries (NZ) Ltd
Telephone +64 9 576 3403

Malaysia

Clipsal Integrated Systems (M) Sdn Bhd
Telephone +60 3 7665 3555

Singapore

Clipsal Integrated Systems Pte Ltd
Telephone +65 6415 3232/3233

China

Clipsal China Limited
Telephone +86 755 8237 5959

Greece

Schneider Electric AE
Telephone +30 69 4646 3200

Hong Kong

Clipsal Integrated Systems (HK) Limited
Telephone +852 2487 0261

India

Schneider Electric India Pvt Ltd
Telephone +91 11 5159 0000

Indonesia

PT Clipsal Graha Nusa
Telephone +62 21 630 6430

Korea

Clipsal Korea Co. Ltd
Telephone +82 549 5550

Pakistan

Clipsal Pakistan (Pvt) Ltd
Telephone +92 21 506 7278

Philippines

Clipsal Philippines Inc.
Telephone +632 683 0275-78

South Africa

Clipsal South Africa (Pty) Ltd
Telephone +27 11 314 5200

Taiwan

Clipsal (Taiwan) Co Ltd
Telephone +886 2 2558 3456

Thailand

Clipsal Thailand Ltd
Telephone +66 2 952 5338-42

United Arab Emirates

Clipsal Middle East
Telephone +971 6 5570 777

United Kingdom

Clipsal Integrated Systems
C/o Schneider Electric
Telephone +44 870 608 8 608

Vietnam

Clipsal - VTEC
Telephone +848 856 3002



Clipsal Australia Pty Ltd reserves the right to change specifications, modify designs and discontinue items without incurring obligation and whilst every effort is made to ensure that descriptions, specifications and other information in this catalogue are correct, no warranty is given in respect thereof and the company shall not be liable for any error therein.

© Clipsal Australia Pty Ltd.

The identified trademarks and copyrights are the property of Clipsal Australia Pty Ltd unless otherwise noted.