

C-Bus®

5500SHAC Wiser™ for C-Bus® Automation Controller

Technical Data Sheet

The Wiser for C-Bus Automation Controller manages and controls C-Bus systems for residential homes or zones within a building and integrates functions such as heating/cooling, energy/load monitoring and remote control for C-Bus and Modbus.



From simple to advanced installations, the Wiser for C-Bus Automation Controller for C-Bus can provide control and automation of lighting, blinds, shutters, climate control (via Modbus supporting controllers) and AV, just to name a few.

The integrated visualisation (user-created dashboards), allows local or remote control and monitoring via PC, touch screen panel, tablet or smart phone. This can include functions such as;

- C-Bus control
- AV control via RS-232
- Scenes
- Scheduling
- Trend-logging (view energy consumption)

Integration & Control

- Lua scripts can be programmed to achieve complex control functions (LOGIC).
- Integration of TCP/IP cameras, Web Services and additional BMS functions via Ethernet media (using BACnet IP and Modbus RTU or TCP).
- Integration of AV and other I/O equipment via RS-232 serial, Modbus RTU or TCP.
- Support up to 2000 Objects (C-Bus and internal)
- 50 BACnet data points (*dependent on CPU Load*).

Features

- Front cover USB connection for direct connection to product (fixed IP address 192.168.254.10).
- Ethernet connection by RJ45 on the unit allows for to local and remote C-Bus connection (CNI, re-addressable IP address).
- Connection to C-Bus as a local interface for commissioning is supported via both USB and Ethernet, while the controller remains connected for monitoring, control and operation of schedules and other services for C-Bus.
- Allows integration of 3rd party Modbus devices (Installer can create their own Modbus device profiles based upon manufacturers' information).
- On-board Web Server allows control via PC, touch screen panel, tablet or smart phone - using installer created user interface.
- BACnet BTL certified.

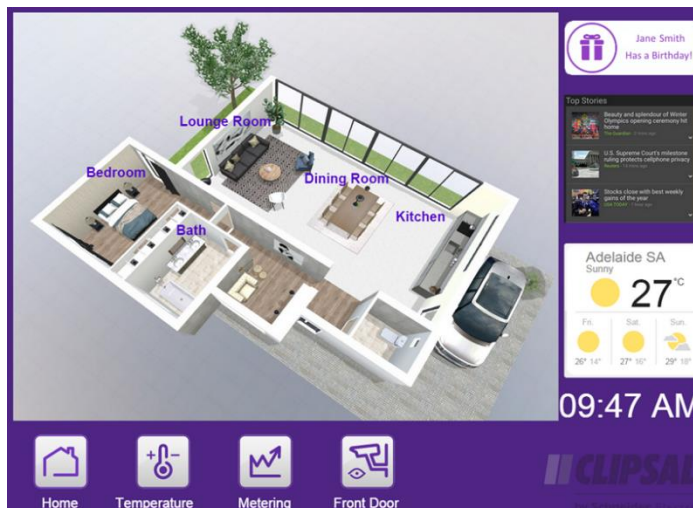


View a single room for localised information and control of;

- Lighting
- Blinds / Curtains
- Audio Visual control
- Climate Control

View the entire home alongside information sourced from the Internet;

- News feeds
- Weather forecasts
- Family Calendar Events
- Outside & Inside Temperatures



5500SHAC, Wiser for C-Bus Automation Controller

Technical Data

External Power Supply	24Vdc, 10W Max, 2W typical (plug-pack or similar purchased separately)
C-Bus Power Consumption	15-36Vdc, 32mA
Buttons	Software & Hardware Reset
Front Panel LED Indicators	8 Status LED's; Power, Status, Relay Output, Digital Input, RS-232, RS-485, Ethernet, C-Bus
Dimensions	6 DIN modules wide, 108mm (L) x 63mm (D) x 93mm (H)
Connections	USB Type A, USB Type B, RJ45 Ethernet x 1, C-Bus RJ45 x 2, LED Output Driver, RS-232, RS-485, Digital Input (Dry Contact or Impedance measuring 2.2KOhm Closed, 6.9KOhm Open) Changeover Relay Output (1A max @ 24Vdc /48Vac)

Supports:

Objects	*2000 (C-Bus and internal)
User Accounts	8 (User Profiles)
Modbus Devices	6
BACnet Data points	50
Supported Protocols	C-Bus, Modbus (RTU, TCP), RS-485, RS-232 (Serial), BACnet IP (BTL certified), TCP/IP

Environment:

Operational Conditions	Temperature: -5 °C to +45 °C, Relative Humidity: 10 % to 93 %
Standards	AS/NZS CISPR22
Directives	2002/96/EC - WEEE directive, 2011/65/EU - RoHS directive, 1907/2006/EC - REACH directive

* Limits dependent upon not exceeding recommended CPU Load

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