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)

**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 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.
**5500SHAC, Wiser for C-Bus Automation Controller**

### Technical Data

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>External Power Supply</strong></td>
<td>24Vdc, 10W Max, 2W typical (plug-pack or similar purchased separately)</td>
</tr>
<tr>
<td><strong>C-Bus Power Consumption</strong></td>
<td>15-36Vdc, 32mA</td>
</tr>
<tr>
<td><strong>Buttons</strong></td>
<td>Software &amp; Hardware Reset</td>
</tr>
<tr>
<td><strong>Front Panel LED Indicators</strong></td>
<td>8 Status LED’s; Power, Status, Relay Output, Digital Input, RS-232, RS-485, Ethernet, C-Bus</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>6 DIN modules wide, 108mm (L) x 63mm (D) x 93mm (H)</td>
</tr>
<tr>
<td><strong>Connections</strong></td>
<td>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)</td>
</tr>
</tbody>
</table>

### 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**