The Astute Smart Controller (ASC) is an energy monitoring, scheduling and control device with load management capability. The CBI Home App enables the user to configure the ASC to react to current, voltage, time, power and many other variables or a combination thereof. The ASC can be used to remotely control pool pumps, lights, geysers, etc.

**Features**
- Wi-Fi enabled (2.4 GHz only)
- Compact size
- Energy monitoring
- Energy control
- Application controlled (CBI Home App)
- Custom automation and custom scenarios
- Multiple ON / OFF programs
- Service life: 20 000 operations at full load
- Protective lift-up cover – sealable
- Manual ON / OFF switch (Power Button)
- Switched Live contact reduces wiring
- Dual mount: CBI Mini rail or DIN rail (remove escutcheon adaptor)
- Scheduling function - week / day / minute
- No hub required

**Applications**
- Automation and IoT
- Residential
- Commercial
- Light industrial
- Agriculture
- Home / office automation
- Security lights
- Office lights
- Illuminated signs
- Geyser
- Pool pump
- Underfloor heating
- And more

**Requirements**
- 2.4 GHz Wi-Fi with internet connection
- Smartphone or tablet

**Approvals**
- SANS 60730-2-7
- ICASA

www.cbi-lowvoltage.co.za/ASC
Technical Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply Voltage</td>
<td>230 V, 50 Hz ~, 1 Ph</td>
</tr>
<tr>
<td>Rated Current</td>
<td>30 A resistive</td>
</tr>
<tr>
<td></td>
<td>10 A inductive</td>
</tr>
<tr>
<td>Contact Life</td>
<td>20 000 cycles</td>
</tr>
<tr>
<td>Degree of Ingress Protection</td>
<td>IP40 when installed in the DB</td>
</tr>
<tr>
<td>Rated Impulse Voltage</td>
<td>4 kV</td>
</tr>
<tr>
<td>Terminal Size</td>
<td>16 mm²</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-20 °C to +55 °C</td>
</tr>
<tr>
<td>Mounting Options</td>
<td>DIN rail &amp; CBI Mini Rail, 45 and 57 mm escutcheon cut-out (adaptor supplied, see outline dimensions)</td>
</tr>
<tr>
<td>Pollution Degree</td>
<td>2 - Normally only non-conductive pollution occurs</td>
</tr>
<tr>
<td>Programmable Period</td>
<td>Week, day, minute</td>
</tr>
<tr>
<td>Accuracy</td>
<td>Dependant on ISP</td>
</tr>
<tr>
<td>Ball Pressure Test</td>
<td>125 °C</td>
</tr>
<tr>
<td>Contact Type</td>
<td>Type 1 C S T</td>
</tr>
</tbody>
</table>

Ordering Information

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Order No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASC</td>
<td>Astute Smart Controller box</td>
<td>ASC</td>
</tr>
<tr>
<td></td>
<td>Astute Smart Controller blister pack</td>
<td>ASC-BP</td>
</tr>
</tbody>
</table>

CBI Home App Information

- Available on the App Store or on Google Play

- Option 1: Search for CBI Home on the App Store or on Google Play and install. See App icon below:

- Option 2: Scan the QR code below and select App Store or Google Play:
**Installation**

1. This device must be installed by a qualified electrician.
2. Isolate supply before installing the ASC.
3. Install the ASC on either mini rail or DIN rail (remove the escutcheon adaptor for DIN, see Figure 1).
4. Connect the ASC according to Figure 2 or 3. Observe markings for line and load terminals.
5. Download and install the CBI Home App from either the App Store or on Google Play.

**LED Status Information**

<table>
<thead>
<tr>
<th>Power</th>
<th>Wi-Fi</th>
<th>Pair Mode</th>
<th>Output</th>
<th>LED Status</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>RED</td>
<td>OFF</td>
</tr>
<tr>
<td>ON</td>
<td>*</td>
<td>UNPAIRED</td>
<td>OFF</td>
<td>ON</td>
<td>OFF</td>
</tr>
<tr>
<td>ON</td>
<td>*</td>
<td>ACTIVE</td>
<td>OFF</td>
<td>ON FLASHING</td>
<td>ON</td>
</tr>
<tr>
<td>ON</td>
<td>ON</td>
<td>PAIRED</td>
<td>OFF</td>
<td>ON</td>
<td>ON</td>
</tr>
<tr>
<td>ON</td>
<td>*</td>
<td>PAIRED</td>
<td>ON</td>
<td>ON FLASHING</td>
<td>ON</td>
</tr>
<tr>
<td>ON</td>
<td>*</td>
<td>UNPAIRED</td>
<td>ON</td>
<td>ON FLASHING</td>
<td>OFF</td>
</tr>
<tr>
<td>ON</td>
<td>*</td>
<td>UNPAIRED</td>
<td>ON</td>
<td>ON FLASHING</td>
<td>ON</td>
</tr>
</tbody>
</table>

**Reboot Button**

If needed, press and hold the reboot button for 1 second to reboot the ASC.

**Power Button**

<table>
<thead>
<tr>
<th>Power Button</th>
<th>LED Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual Control</td>
<td>RED FLASH</td>
</tr>
<tr>
<td>Wi-Fi Pairing</td>
<td>BLUE FLASH</td>
</tr>
</tbody>
</table>

**Power Failure**

The unit will not operate during a power failure. The functions of the ASC will be re-established when power and a Wi-Fi and internet connection is restored.

Programming instructions are provided in the instruction manual supplied with each Astute Smart Controller and are also available online: www.cbi-lowvoltage.co.za/ASC
Astute Smart Controller

Outline Dimensions: Dual Mount

Outline Dimensions: DIN Mount

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