Astute Smart Controller

CBi electric
low voltage

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.

ASC

Wi-Fi enabled
Scheduled energy management
Energy monitoring
Automation and IoT
Device automation sharing
CBI Home App and more

www.cbi-lowvoltage.co.za/ASC

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

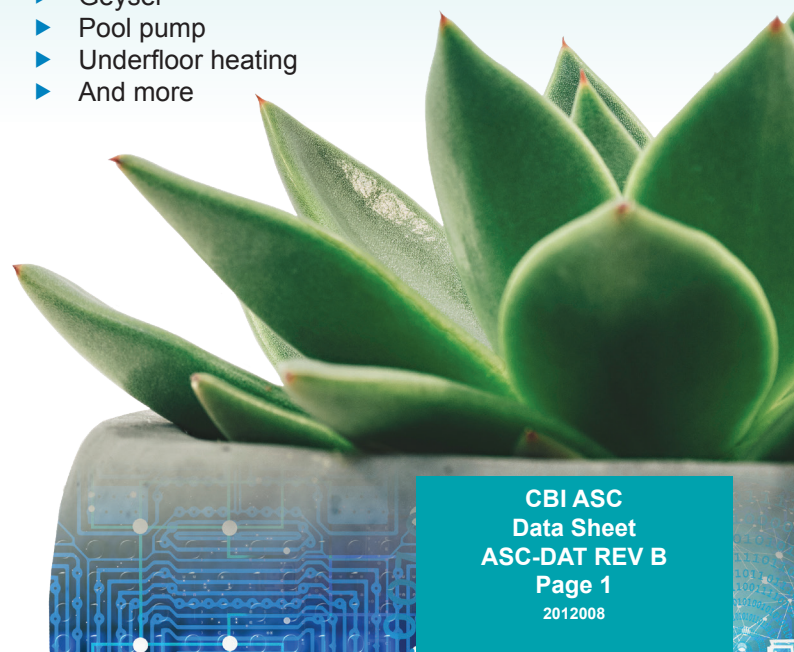- Automation and IoT
- Residential
- Commercial
- Light industrial
- Agriculture
- Home / office automation
- Security lights
- Office lights
- Illuminated signs
- Geyser
- Pool pump
- Underfloor heating
- And more

Requirements

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

Approvals

- SANS 60730-2-7
- ICASA

Astute Smart Controller

Technical Data

Parameter	Specification
Supply Voltage	230 V, 50 Hz ~, 1 Ph
Rated Current	30 A resistive 10 A inductive
Contact Life	20 000 cycles
Degree of Ingress Protection	IP40 when installed in the DB
Rated Impulse Voltage	4 kV
Terminal Size	16 mm²
Operating Temperature Range	-20 °C to +55 °C
Mounting Options	DIN rail & CBI Mini Rail, 45 and 57 mm escutcheon cut-out (adaptor supplied, see outline dimensions)
Pollution Degree	2 - Normally only non-conductive pollution occurs
Programmable Period	Week, day, minute
Accuracy	Dependant on ISP
Ball Pressure Test	125 °C
Contact Type	Type1 C S T

Ordering Information

Astute Smart Controller		
Product	**Description**	**Order No.**
ASC	Astute Smart Controller box	ASC
	Astute Smart Controller blister pack	ASC-BP

CBI Home App Information

▶ Available on the App Store or on Google Play

    Download on the **App Store**   GET IT 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:

Astute Smart Controller

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
6. Follow pairing guide as indicated in the Instruction Manual (www.cbi-lowvoltage.co.za/asc)
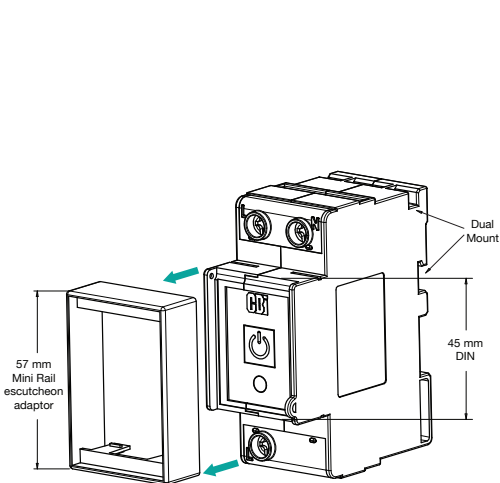
Figure 1: Escutcheon adaptor removal
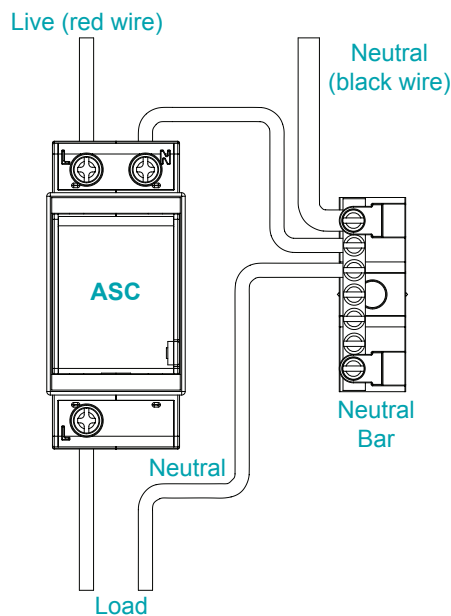
Figure 2: Distribution Board wiring
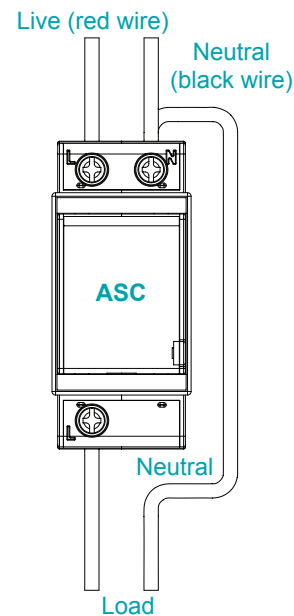
Figure 3: Stand alone wiring

LED Status Information

| LED Status Indication						
Power	**Wi-Fi**	**Pair Mode**	**Output**	**RED**	**BLUE**	**Comment**
OFF	*	*	*	OFF	OFF	Power OFF
ON	*	UNPAIRED	OFF	ON	OFF	Not paired and / or no Wi-Fi
ON	*	ACTIVE	OFF	ON	ON FLASHING	Pairing Mode active
ON	ON	PAIRED	OFF	ON	ON	Successful connection to Wi-Fi and output OFF
ON	*	PAIRED	ON	ON FLASHING	ON	Manual or App output ON
ON	*	UNPAIRED	ON	ON FLASHING	OFF	Manual ON only

Reboot Button

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

LED (BLUE / RED)

POWER BUTTON

REBOOT BUTTON

Power Button

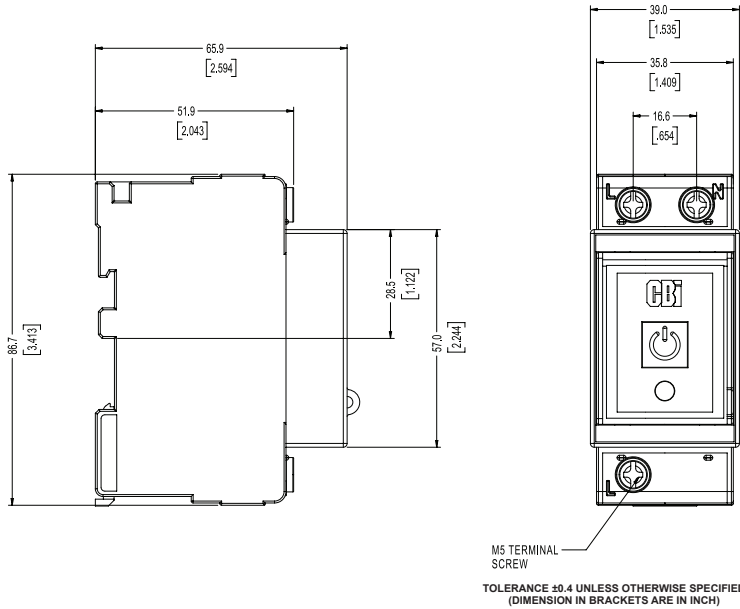| Power Button		
	Press Power Button and release after	**LED Status**
Manual Control	1 second	RED FLASH
Wi-Fi Pairing	5 seconds	BLUE FLASH
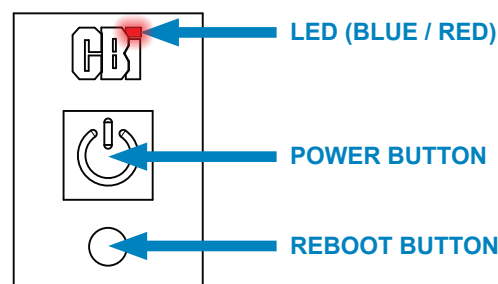
Power Failure

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**

Outline Dimensions: Dual Mount

M5 TERMINAL SCREW

TOLERANCE ±0.4 UNLESS OTHERWISE SPECIFIED
(DIMENSION IN BRACKETS ARE IN INCH)

Outline Dimensions: DIN Mount

M5 TERMINAL SCREW

TOLERANCE ±0.4 UNLESS OTHERWISE SPECIFIED
(DIMENSION IN BRACKETS ARE IN INCH)

Website

LinkedIn

Facebook
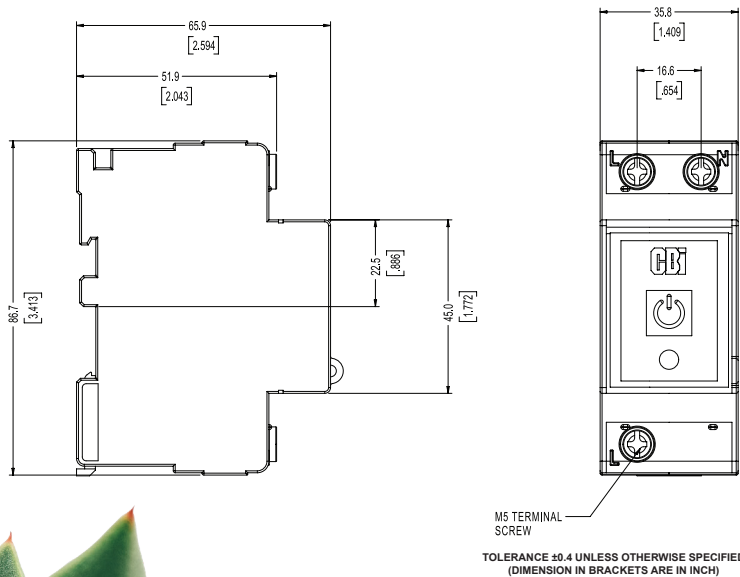
YouTube

SOUTH AFRICA
CBI-electric: low voltage
Tripswitch Drive Elandsfontein
Gauteng South Africa
Tel: +27 11 928 2000
Fax: + 27 11 392 2354
Email: cbi@cbi-electric.com
Website: www.cbi-lowvoltage.co.za

AUSTRALIA
CBI-electric: Australia
27 Wedgewood Rd, Hallam
Victoria 3803 Australia
Tel: +61 3 8752 9300
Fax: +61 3 9796 5407
Email: sales@cbi-electric.com.au
Website: www.cbi-electric.com.au

USA
CBI-electric: North America
35 E. Uwchlan Ave Suite 328
Exton PA 19341 USA
Tel: +1 610 524 9949
Fax: +1 610 524 9945
E-mail: info@cbibreakers.com
Website: www.cbibreakers.com

A member of the REUNERT Group