

Astute Smart Controller



ASC

The Astute Smart Controller (ASC) is an energy monitoring, scheduling and control device with load management and automation 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.



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
- ▶ Return to last status options
- ▶ No hub required

Requirements

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

Approvals

- ▶ SANS 60730-2-7
- ▶ EN/IEC 62368-1
- ▶ EN/IEC 60730-2-7
- ▶ ICASA



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



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 mm ²
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



- ▶ **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)

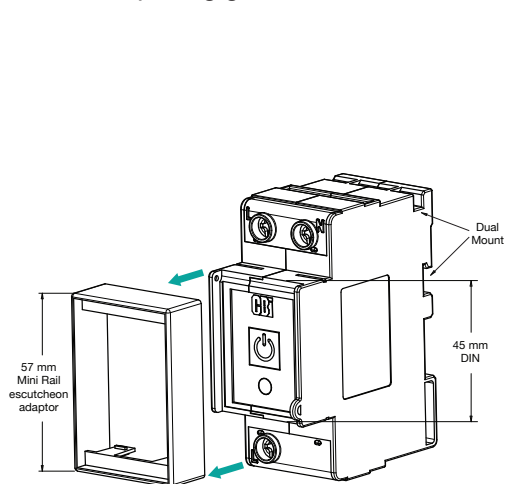


Figure 1: Escutcheon adaptor removal

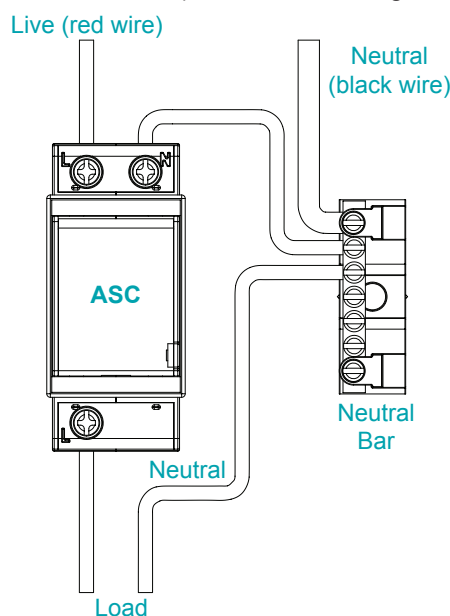


Figure 2: Distribution Board wiring

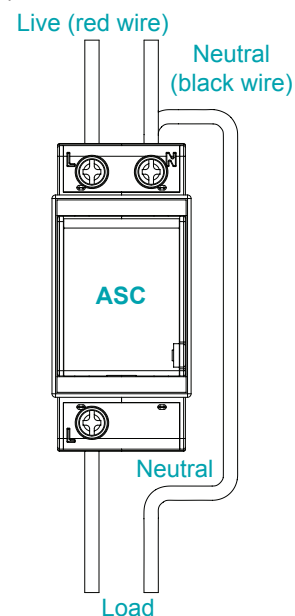


Figure 3: Stand alone wiring

LED Status Information

Pair LED Status Indication						
Power (Red)	Wi-Fi (Blue)	Pair Mode	Output	LED Status		Comment
				RED (Switch output)	BLUE (Wi-Fi)	
OFF	*	*	*	OFF	OFF	No power
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	ON	PAIRED	ON	ON FLASHING	ON	Manual or App output ON
ON	*	UNPAIRED	ON	ON FLASHING	OFF	Manual ON only

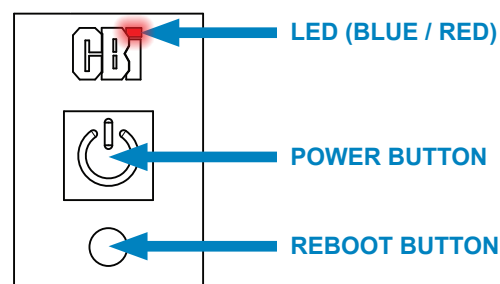
Note: the combined appearance of RED & BLUE LEDs might appear purple. It is recommended that when pairing devices a hand is placed over device to see the Blue flashing.

Reboot Button

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

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

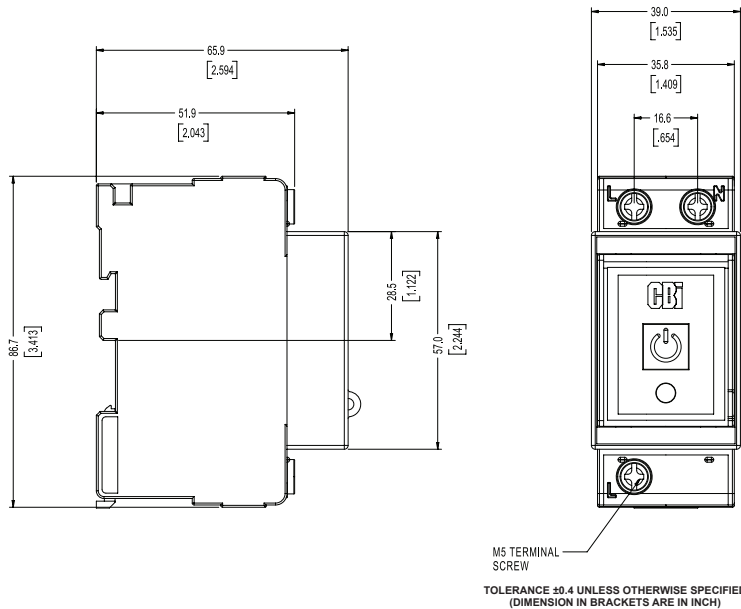


Power Failure

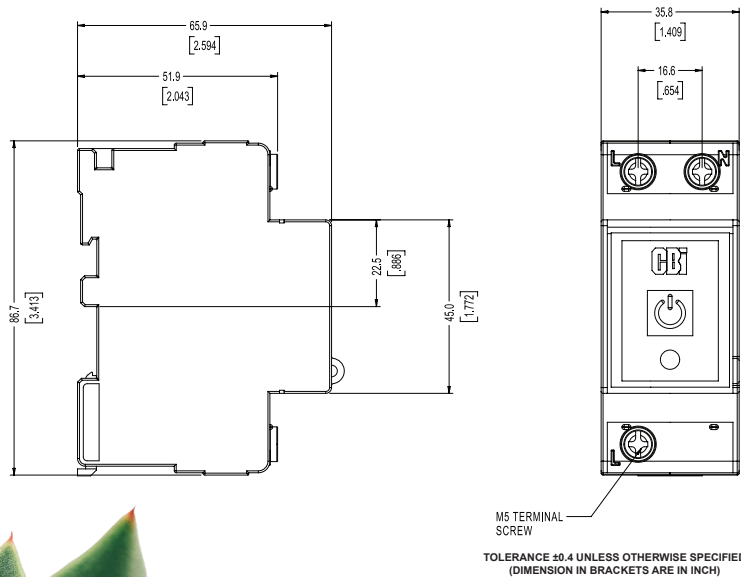
The unit will not operate during a power failure. The functions of the ASC will be re-established when power, a Wi-Fi and internet connection is restored.

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



Outline Dimensions: DIN Mount



Website



LinkedIn



Facebook



YouTube

SOUTH AFRICA

CBI-electric: low voltage

Tripswitch Drive Elandsfontein

Gauteng South Africa

Tel: +27 11 928 2000

Email: astute@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

600 Eagleview Blvd, Suite 300,

Exton, PA, 19341, United States

Tel: +1 610 524 9949

Fax: +1 610 524 9945

E-mail: info@cbibreakers.com

Website: www.cbibreakers.com

INDIA

CBI-electric: Asia

27/A, Nitesh Rio, Adjacent to Vakil

Garden, Thalaghattapura, Kanakapura

Road, Bengaluru, India 560109

Tel: +91-9880553153

Email: salesasia@cbi-electric.com

Website: www.cbibreakers.com

Website: www.cbi-lowvoltage.com

A member of the **REUNERT** Group

© 2024 CBI (Pty) Ltd. All Rights Reserved.

Please review our Customer Terms and Conditions on www.cbi-lowvoltage.co.za

All rights reserved. Unless otherwise indicated, all materials on these pages are copyrighted by CBI (Pty) Ltd. No part of these pages, either text or image may be used for any purpose other than personal use. Therefore, reproduction, modification, storage in a retrieval system or retransmission, in any form or by any means, electronic, mechanical or otherwise, for reasons other than personal use, is strictly prohibited without prior written permission. CBI (Pty) Ltd reserves the right to alter any details of this document without notice and while every effort is made to ensure the accuracy of the content, no warranty is given as to the accuracy of this document and no responsibility will be accepted for error or misinterpretation and any resulting loss.