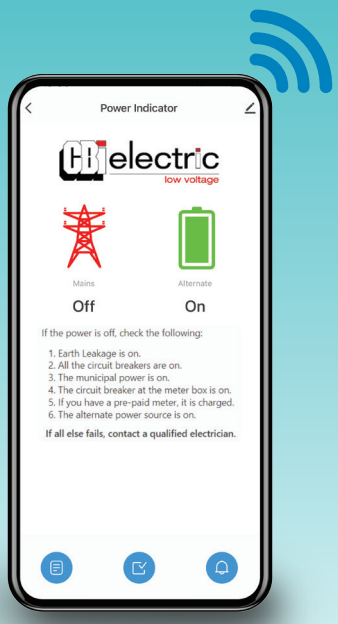
Astute Smart Power Indicator

CBI electric low voltage
a Reunert company

ASPI

The CBI Astute Smart Power Indicator (ASPI) is a monitoring device with load management and automation capability. The CBI Home App enables the user to receive notifications when grid or alternative power goes off. The CBI ASPI can be used to automate other Astute devices to control pool pumps, lights, geysers, etc.



Notifications when mains or alternative power is interrupted
Wi-Fi enabled
Automation and IoT
CBI Home App and more

Features

- Wi-Fi enabled (2.4 GHz only)
- Application controlled (CBI Home App)
- View the status of mains and alternative power on your phone
- Receive notifications of power failure events as they occur, whether mains or alternative power
- Manage power interruptions without manually switching off non-essential or high consumption loads by setting up demand control. Use the ASPI to set up user defined automations using other Astute devices. Automatically switch off geysers, pool pumps, underfloor heating and other non-essential loads when grid power is off during load shedding or unplanned power failure events.
- Wirelessly connect with other Astute devices.
- Protect power inverters and generators from overloading
- Prevent battery depletion from non-essential or high consumption loads and extend the lifespan of batteries
- When mains is restored, automatically switch on loads when the supply voltage has stabilised or in a time delayed sequence, to prevent overloading and high inrush currents.
- No hub required
- The ASPI functions when either power source is powered
- Internet connection must be maintained during power interruptions to receive notifications

Applications

- Alternative energy
- Automation and IoT
- Residential
- Commercial
- Light industrial
- Office automation
- Load limiting automation
- And more

www.cbi-lowvoltage.co.za/ASPI

support.cbi-lowvoltage.co.za

Requirements

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

Approvals

- SANS 62368-1 (pending)
- ICASA (pending)

Astute Smart Power Indicator

Technical Data

Parameter	Specification
Supply Voltage	230 V, 50 Hz ~, 1 Ph
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

Ordering Information

Astute Smart Power Indicator		
Product	**Description**	**Order No.**
ASPI	Astute Smart Power Indicator box	ASPI
	Astute Smart Power Indicator blister pack	ASPI-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:

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Google Play and the Google Play logo are trademarks of Google LLC.

Installation

1. This device must be installed by a qualified electrician
2. Isolate supply before installing the ASPI
3. Install the ASPI on either mini rail or DIN rail (remove the escutcheon adaptor for DIN, see Figure 1)
4. Connect the ASPI according to Figure 2. Observe markings for line and neutral 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/aspi)

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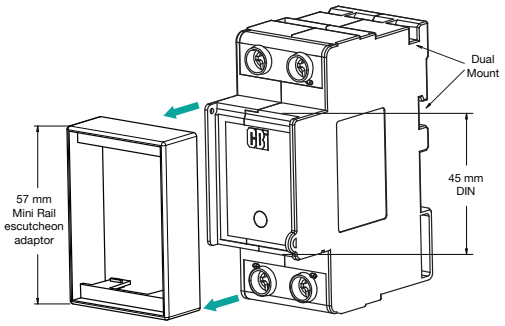


Figure 1: Escutcheon adaptor removal

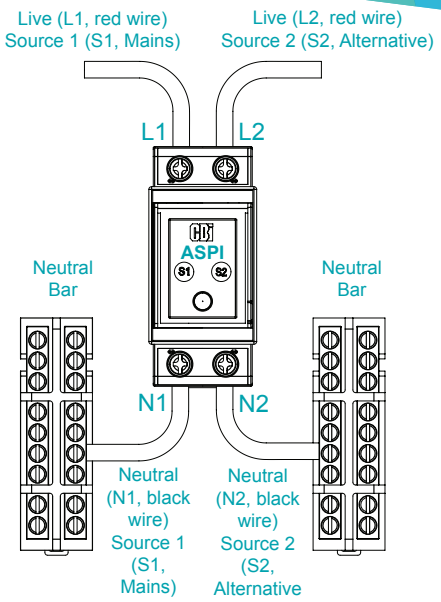


Figure 2: Wiring Diagram

LED Status Information

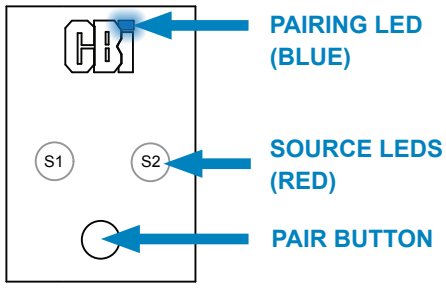
CBI Logo Pair LED Status Indication		
BLUE (Wi-Fi)	**Pair Mode**	**Comment**
OFF	UNPAIRED	Not paired
ON FLASHING	ACTIVE	Pairing Mode active
ON	PAIRED	Successful connection to Wi-Fi
OFF	PAIRED	No Wi-Fi

Note: If device was paired successfully and Blue LED is off, Wi-Fi connection was lost, do not re-pair device.

Pair Button		
	Press Pair Button and release after	**LED Status**
Wi-Fi Pairing	10 seconds, and press for 1 second	BLUE FLASH

Source LED Status

Source LED Status Indicator		
LED Status		**Comment**
Source 1 (Mains)	**Source 2 (Alternative)**	
ON	ON	Source 1 and Source 2 Power ON
ON	OFF	Source 1 Power ON
OFF	ON	Source 2 Power ON
OFF	OFF	Source 1 and Source 2 Power OFF



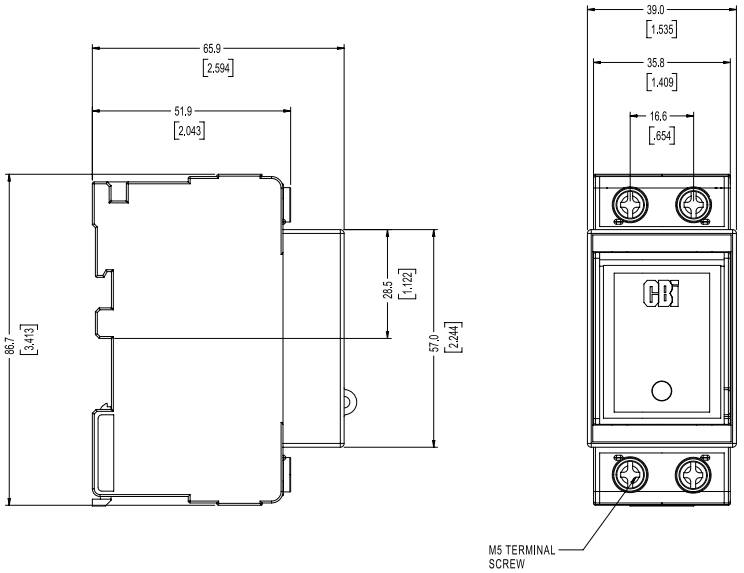
Power Failure

The unit will not operate when both power sources fail. The functions of the Astute Smart Device will be re-established when power, a Wi-Fi and internet connection is restored. All automations will remain during power failures or loss of internet connection.

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

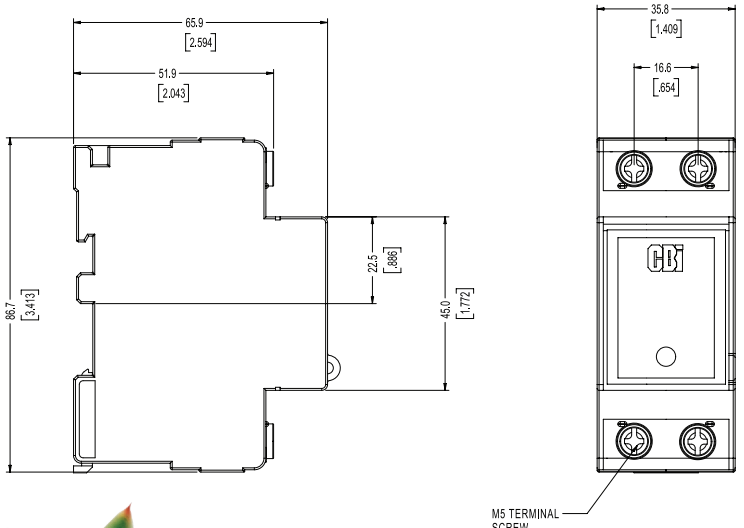
Astute Smart Power Indicator

Outline Dimensions: Dual Mount



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

Outline Dimensions: DIN Mount



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

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