Astute Smart Isolator

CBI electric low voltage

The Astute Smart Isolator is an energy monitoring, scheduling and control device with load management capability. The CBI Home App enables the user to configure the ASI to react to current, voltage, time, power and many other variables or a combination thereof. The ASI can be used to remotely control geysers, air conditioners, etc.

ASI

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

www.cbi-lowvoltage.co.za/ASI

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
▶ Manual ON / OFF switch (Power Button)
▶ Switched Live contact reduces wiring
▶ Scheduling function - week / day / minute
▶ No hub required

Requirements

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

Approvals

▶ IEC 60947-3
▶ ICASA

Applications

▶ Automation and IoT
▶ Residential
▶ Commercial
▶ Light industrial
▶ Home / office automation
▶ Geysers
▶ Air conditioners
▶ Illuminated signs
▶ Hand dryers
▶ And more

Astute Smart Isolator

Technical Data

Parameter	Specification
Supply Voltage	230 V, 50 Hz ~, 1 Ph
Ie : Rated operational Current	30 A resistive 10 A inductive
Contact Life	20 000 cycles
Degree of Ingress Protection	IP40 when installed
Rated Insulation Voltage (Ui)	250VAC
Rated impulse withstand Voltage (Uimp)	2,5kV
Rated Duty	Uninterrupted Duty
Rated short-time withstand current & duration	12Ie/1s
Rated short-circuit making capacity	12 x 1,41Ie
Terminal Size	6 mm2
Operating Temperature Range	-15 °C to +55 °C
Mounting Options	4x2 Surface or Wall Mount
Pollution Degree	2 - Normally only non-conductive pollution occurs
Programmable Period	Week, day, minute
Accuracy	Dependant on ISP

Ordering Information

Astute Smart Isolator		
Product	Description	Order No.
ASI	Astute Smart Isolator pack	ASI

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:

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Installation

1. This device must be installed by a qualified electrician
2. Isolate supply before installing the ASI
3. Install the ASI in the outlet box
4. Connect the ASI according to Figure 1. Observe markings for line and load terminals.
5. Download and install the CBI Home App from either the App Store or on Google Play
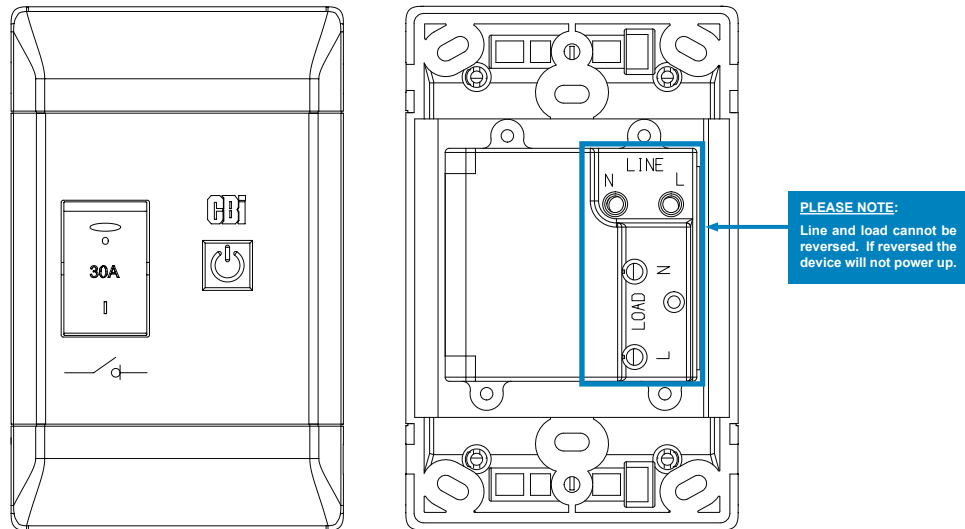6. Follow pairing guide as indicated in the Instruction Manual (www.cbi-lowvoltage.co.za/asi)

PLEASE NOTE:
Line and load cannot be reversed. If reversed the device will not power up.

Figure 1: ASI installation

LED Status Information

LED Status Indication						
Power	**Wi-Fi**	**Pair Mode**	**Output**	**LED Status**		**Comment**
				RED	**BLUE**	
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

Isolation Switch

If needed, switch the isolation switch OFF, wait one second and switch it ON again to reboot the ASI.

Power Button

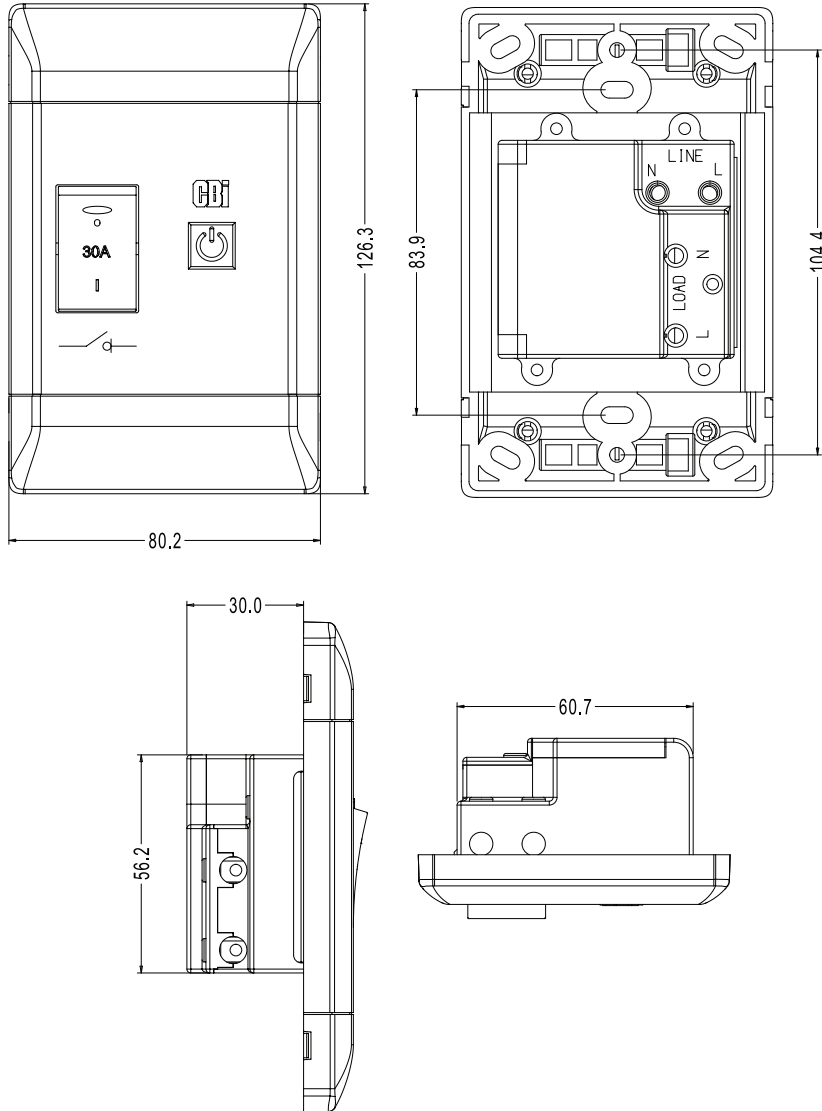| Power Button		
	Press Power Button and release after	**LED Status**
Manual Control	1 second	RED FLASH
Wi-Fi Pairing	5 seconds	BLUE FLASH

LED (BLUE / RED)

POWER BUTTON

ISOLATION SWITCH
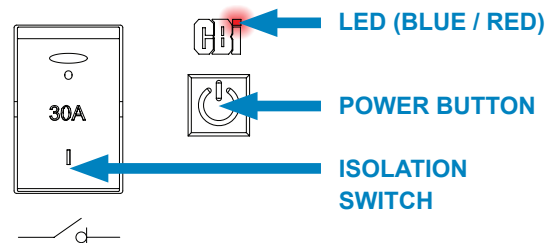
Power Failure

The unit will not operate during a power failure. The functions of the ASI 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 Isolator and are also available online: **www.cbi-lowvoltage.co.za/ASI**

Astute Smart Isolator

Outline Dimensions:

126.3
83.9
104.4
80.2
30.0
60.7
56.2

30A

LINE
N   L
LOAD
N
L

TOLERANCE ±0.4 UNLESS OTHERWISE SPECIFIED

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LinkedIn

Facebook

YouTube

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