



The Sollatek A/C Guard

Protection for air-conditioning equipment in the home and office



Sollatek™
the power to protect



The Sollatek A/C Guard

Protection for all air conditioning equipment in the home and office



Protection for:

- Air-conditioning equipment in the office and home
- Commercial and industrial fridges and freezers

Appliances such as air-conditioning and refrigeration units are particularly vulnerable to damage caused by low voltage 'brownouts'. With the A/C Guard, your equipment is protected against all power fluctuations: over-voltage as well as low voltage, spikes, surges, power back surges and power fluctuations.

Part of Sollatek's highly versatile Voltshield Range which uses the Sollatek Switcher technology, the A/C Guard switches off the air-conditioner instantly when a power problem occurs, reconnecting it only once the mains supply has stabilised.

Simple installation – complete peace of mind

The A/C Guard is easily installed by an electrician and suitable for use with all air-conditioners, including split units, as well as industrial refrigeration equipment. Once it has been directly wired between the mains and your appliance, the A/C Guard provides complete protection automatically. Choose between 16, 20 or 25Amp models to match the rating of your air conditioner or load.



Sophisticated protection

The A/C Guard's Automatic Voltage Switcher functions protect against Low voltage, high voltage, power-back surges, power fluctuations and surges/spikes. It features a start up delay of about 4 minutes to prevent frequent switching on and off during fluctuations.

The A/C Guard has a built-in microprocessor which adds the advanced feature TimeSave™ to save on down time. TimeSave™ means that when the mains returns to normal after any event, the A/C Guard checks the duration of the OFF time. If the unit has been off for more than 4 minutes then it will switch the air-conditioner on within 10 seconds rather than the standard 4 minutes. If however, the unit has been off for less than 4 minutes, the A/C Guard will ensure that it will remain off up to 4 minutes and then restarts automatically.

Circuit breaker function

An integral circuit breaker enhances the protection offered by the A/C Guard. If a short circuit or over-load occurs, the circuit breaker detects the fault and the air conditioner is safely disconnected. To resume operation, simply switch the A/C Guard circuit breaker on again, assuming the cause of the overload has been removed. The air conditioner will restart automatically after an intelligent time delay.

A/C Guard features

- **Automatically protects against:**
 - Low voltage and brownouts.
 - High voltage, spike and surge protection.
 - Power back surges by start up delay.
- **Intelligent time delay before power reconnection prevents:**
 - Frequent start stops.
 - Protects against power back surges.
 - Ensures optimal working time and avoids unnecessary down time.
- **Circuit breaker provides:**
 - Short-circuit and overload protection.
- **Versatile range offering 3 models: 16, 20 and 25Amps.**
- **All single phase.**
- **Easy installation: direct wiring adding extra security.**
- **Two year worldwide warranty.**

A/C Guard

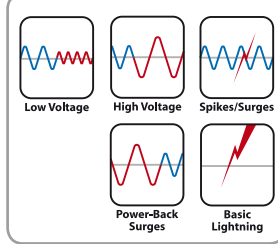
Protection for • Air conditioners • All electrical and electronic appliances



Front view

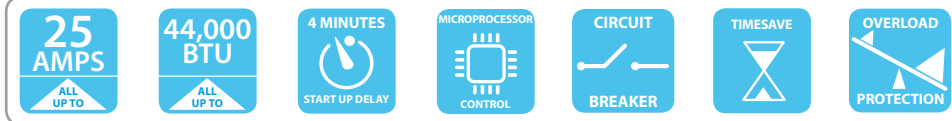
Rear view

Protection:



Max power	16, 20, or 25 amps
Wait time	4 minutes intelligent time delay
Ideal for	Air conditioners, large fridge/freezers
Tip	Rated at up to 25 amps for use with air-conditioners up to 44,000 B.T.U Direct wiring adds security of installation
Weight	400 gm
Dims	140 x 90 x 78 mm

Features:



Applications:



Model	A/C Guard 16	A/C Guard 20	A/C Guard 25
Current (circuit breaker) rating	16A	20A	25A
Over voltage disconnect	230V models 115V models	264V 132V	
Under voltage disconnect	230V models 115V models	185V 92.5V	
Over voltage reconnect	230V models 115V models	262V 131V	
Under voltage reconnect	230V models 115V models	190V 95V	
Reconnect wait		4 min	
Mains disconnect response time	Over-voltage Under-voltage	0.5 sec 2.0 sec	
High voltage hysteresis	230V models 115V models	2V 1V	
Low voltage hysteresis	230V models 115V models	5V 2.5V	
Mains surge/spike response time		<10ns	
Mains max spike/surge discharge		6.5kA	
Frequency		50/60Hz	
Spike protection		160J	
Indicators	3 LEDs	Red LED: Voltage bad (Load off) Yellow LED: Voltage good (Wait, Load off) Green LED: Voltage good (Load on) No LEDs lit: No voltage (Power cut / circuit breaker off)	
Max. cable size		6mm ²	
IP rating		IP32	
Enclosure material		ABS	
IEC standards		BS EN60730 compliant	
Ordering code	230V 115V	92621620 92621610	92622020 92622010 92622520 92622510
Socket availability		Direct wiring	
Dimensions (h x w x d)	Unpacked Packed	140 x 90 x 78 mm 245 x 150 x 80 mm	
Weight		400g	


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Sollatek provides you with full back up support and a two year worldwide warranty on all products, with local support in  over twenty countries worldwide.

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ISO9001: 2008 accredited company

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TWO YEAR WORLDWIDE WARRANTY
(subject to terms and conditions).