

FREORANGE

**VOLTAGE
PROTECTION
- FREOGUARD**

FREOGUARD

VOLTAGE PROTECTION FOR ALL FRIDGES, FREEZERS AND COOLERS

Description

Motors generally, and refrigeration compressors specifically, are susceptible to damage from under voltage.

The motor (particularly the compressor in a refrigeration system) draws more current to compensate for the lower mains supply voltage, burning out its windings, or at least reducing its useful life.

Over-voltage is potentially damaging to all electrical and electronic equipment. One particularly damaging condition can occur when the supply returns after the mains has been off, as reinstatement of the supply is frequently accompanied by high voltage surges and transients.

Function

The FreoGuard protect equipment by disconnecting the mains supply when it goes either below or above pre-set acceptable limits. It also has an Intelligent time delay* providing added protection against frequent stops and starts.

Applications

Provides complete voltage protection for fridges and freezers from all power supply fluctuations.

Features

- Microprocessor controlled
- Under-voltage protection by disconnection
- Over-voltage protection by disconnection
- Automatic re-connect on return of normal mains
- 3 minute intelligent start-up delay
- Uses the Sollatek TimeSave™ feature
- No need to switch off appliances when supply fails
- Surge and spike protection
- Circuit encapsulated and hermetically sealed for protection against moisture, dust and insects
- 3 LEDs indicate the state of the mains supply
- Simple to connect with 3 industry standard 0.25" spade terminals suitable for push-on crimps
- 16 Amps capacity to handle almost all single phase refrigeration applications
- Can handle inrush current of 4-5 times its rating (70amps for the FG16)



TimeSave™

The FreoGuard has a built-in microprocessor which adds the advanced feature TimeSave™. TimeSave™ means that when the mains returns to normal, the FreoGuard checks the duration of the OFF time. If the unit has been off for more than 3 minutes then it will reconnect the mains within 30 seconds rather than the standard 3 minutes. This means the Sollatek FreoGuard will give you more vital working time than any other protection unit.



LED Description

● Red	Voltage bad	Compressor off
● Yellow	Voltage good	Wait 3 minutes
● Green	Voltage good	Mains on

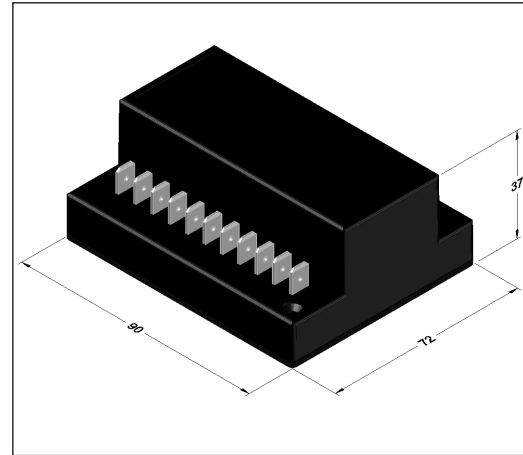
Features:



Specification

Freoguard		
Supply voltage	220 / 230 / 240V 110 / 115 / 120V	
Frequency	50/60Hz	
Current Rating	16Amps	
Inrush Current	70Amps	
Voltage Limits		
@ 230V nominal	Vin High Disconnect	260V
	Vin Low Disconnect	190
	Hysteresis	4V
@115V nominal	Vin High Disconnect	130V
	Vin Low Disconnect	95V
	Hysteresis	3V
Start-up delay (different settings available)	3 minutes	
Production Test Pins	Yes. Removes the 3 minute delay for convenient testing of the unit	
Surge protection	6.5kA	
Environmental	Sealed and protected against water, humidity, dust and insects	
Dimensions	90 x 71 x 31 mm	
Temperature Probe length	N/A	
Weight	400gms	
Packing Specifications	Supplied in a carton containing 50 units	
Packing Dimensions	51 x 54 x 14 cms	
Total packed weight (for 50 units)	20Kgs	

Dimensions



For more information on the Sollatek's Refrigeration Control Range refer to the FreoRange Catalogue or visit www.sollatek.com

MODEL	PRODUCT CODE
FG16-115V	92340000
FG16-230V	92344000
FG30-115V	92344400
FG30-230V	92344300

DESCRIPTION: SOLLATEK FREGUARD

The Sollatek logo is written in a stylized, blue, cursive font with a white outline and a drop shadow effect.

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