

Sollatek Refrigeration Solutions

Complete temperature control, energy saving, voltage protection and voltage stabilisation for all refrigeration appliances.











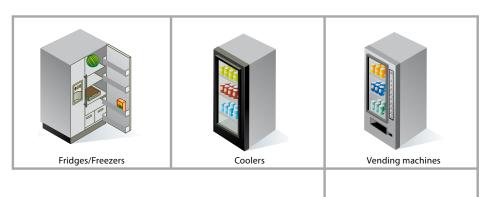
Table of contents

Pag	
a management of the contract o	
Temperature control +energy saving+voltage protection FreoCom FCA	5
FreoCom FCV	5
FreoCom FCD11	
FreoCom FCL	6
2. Temperature control +voltage protection +stabilisation +energy savin	
FreoCom FCM	7
 Temperature control +energy saving+voltage protection +stabilisation FreoCom FTD 	n 8
FreoTec FTA	
FDM0	
FDM1	
ESM	9
4. Temperature display	
FD01 1	0
FD05 1	0
5. Energy saving +voltage protection	
FreoSave 1	0
6. Lamp ballasts	
	1
7. Voltage protection	
	1
8. Voltage protection +stabilisation	
	2
9. Miscellaneous	
·	
FCB01 Door alarm 1	
Product comparison chart 14-1	5



The Sollatek Refrigeration Solutions

Complete temperature control, energy saving, voltage protection and voltage stabilisation for all refrigeration appliances.



Temperature control, energy saving, voltage protection and stabilisation for:

- Fridges and freezers
- Coolers
- Drinks dispensers
- Chiller cabinets
- Refrigerated displays
- Vending machines

As the problems associated with global warming become more widely recognised, measures to save energy, and therefore the environment, become increasingly desirable.

The FreoRange from Sollatek enables cooler manufacturers to produce a more energy-efficient product, thereby reducing CO_2 emissions and reducing electricity bills for vendors. Moreover Sollatek's range of high accuracy units ensures the beverage or chilled product is always served at the optimum temperature. This has the added benefit of allowing the cooler to comply with ever more stringent energy efficiency regulations.

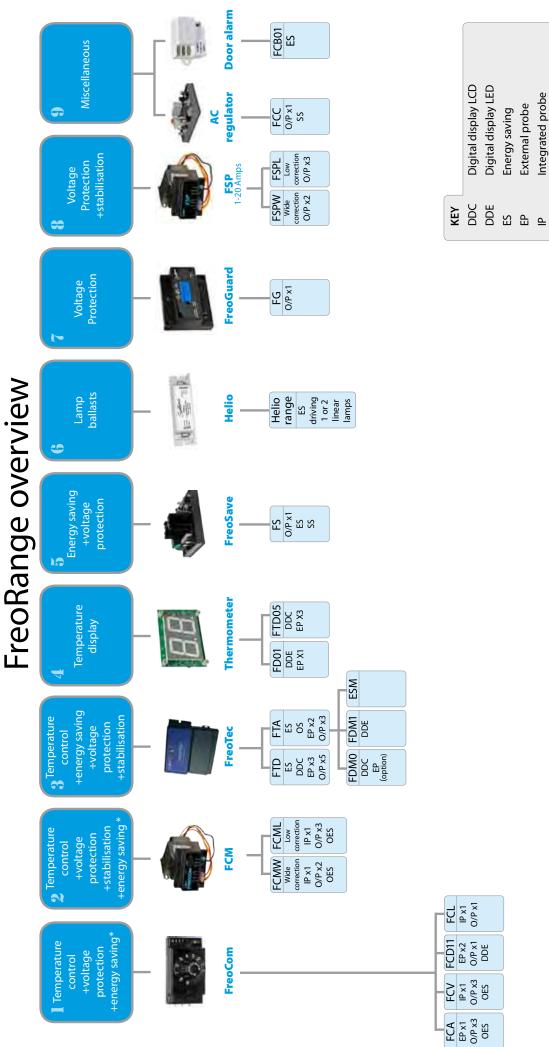
The Sollatek FreoRange offers a comprehensive suite of temperature control, energy saving, voltage stabilisation and protection measures for refrigeration equipment.



FreoRange products are designed to meet the needs of OEMs whose customers:

- need the product vended at optional temperature
- · seek efficient thermostatic control
- · need to conserve energy
- need to comply with international energyefficiency regulations
- operate in regions of poor and erratic mains power supplies
- · require fewer call-outs

Sollatek offers a wide range of standard products as well as a service to customers with bespoke requirements. We have many years of experience working with OEMs and developing new and innovative products.



*Energy Saving only applies for FreoCom FCA, FCV and FCM as an extended option

Optional energy saving

Soft start

Optional stabiliser

Integrated probe

Output

O/P

External probe

1. Temperature control, voltage protection, and energy saving

FreoCom FCA



Temperature control, voltage protection and optional energy saving for

all fridges, freezers, and coolers

A direct retrofit to the electro/mechanical thermostat, Sollatek FreoCom FCA delivers highly accurate temperature measurement and control. Available in 3 versions with 1, 2 or 3 outputs.

- · Highly accurate temperature measurement and control - not affected by barometric pressure
- Direct retrofit to the electro/mechanical
- · Timed/automatic defrost
- · Low voltage protection
- · High voltage protection
- Spike/surge protection
- · Water splash resistance for rugged applications
- In-circuit programming allowing the units to be re-programmed while installed in the field
- · External remote temperature probe for precise positioning

- Temperature dial user adjustable in-situ. Range can be OEM specified
- * Optional energy saving (FCA2 and FCA3 only)

Current rating	FCA1: 1 x 16A FCA2: 1 x 16A, 1 x 3A FCA3: 1 x 16A, 2 x 3A
Weight (Kg)	FCA1: 0.099 FCA2: 0.103 FCA3: 0.107
Dimension (mm) h x w x d	58 x 82 x 42
No. of temperature probes	1
No. of control outputs	FCA1: 1 FCA2: 2 FCA3: 3



Model

FCA1-115V

FCA1-230V

FCA2-115V

FCA2-230V

FCA3-115V

FCA3-230V



Product Code

92371100

92372100

92371200

92372200

92371300

92372300

















FreoCom FCV

Temperature control and voltage protection for all fridges, freezers, and coolers Delivers highly accurate temperature measurement and control. Available in 2 versions with 1 or 3 outputs.



- · Highly accurate temperature measurement and control - not affected by barometric pressure
- · Timed/automatic defrost
- Low voltage protection
- · High voltage protection
- · Spike/surge protection
- · Water splash resistance for rugged applications
- In-circuit programming allowing the units to be re-programmed while installed in the field
- · Integrated temperature probe
- * Optional energy saving (FCV30 only)

Current rating	FCV10: 1 x 16A
	FCV30: 2 x 16A, 1 x 3A
Weight (Kg)	FCV10: 0.143
	FCV30: 0.166
Dimension (mm) h x w x d	37 x 90 x 72
No. of temperature probes	1 – integrated
No. of control outputs	FCV10: 1
	FCV30: 3



















FCV10-115 92353100

FCV10-230 92352100

FCV30-115 92353300

FCV30-230 92352300

FreoCom FCD11



Large format temperature control and voltage protection for all fridges, freezers, and

With highly accurate temperature control and display, provides a large, bright display visible from a distance of at least 20m.

- Highly accurate temperature measurement and control – not affected by barometric pressure.
- · Low voltage protection
- · High voltage protection
- Automatically determines 230V/110V operation for voltage protection function based on supply at switch-on. Can be forced to 230V or 110V by jumper selection if preferred.
- Large 2.24inch/57mm double-digit display of the measured temperature in celsius or fahrenheit scales. Available in red, green or blue.
- Manual adjustment of display brightness with automatic compensation for variations in ambient lighting.

- · Universal input voltage.
- Spike/surge protection
- Open frame design for mounting behind displays
- Thermometer only option available FCD01
- In-circuit programming allowing the units to be reprogrammed while installed in the field
- External remote temperature probe for precise positioning

Current rating	25A
Weight (Kg)	0.177
Dimension (mm) h x w x d	89 x 129 x 43
No. of temperature probes	2
No. of control outputs	1



Model

FCD11- Red

FCD11- Green 92305310 FCD11- Blue 92304310



Product Code

92306310











FreoCom FCL

ModelProduct CodeFCL16-11592301610FCL16-23092301620

Delivers highly accurate temperature measurement and control. A miniature low cost controller with integral temperature probe

Temperature control and voltage protection for all fridges, freezers, and coolers

- Miniature and low cost
- Highly accurate temperature measurement and control – not affected by barometric pressure.
- Timed/automatic defrost
- Low voltage protection
- High voltage protection
- Spike/surge protection
- Water splash resistance for rugged applications
- In-circuit programming allowing the units to be re-programmed while installed in the field
- Integrated temperature probe

Current rating	16A
Weight (Kg)	0.078
Dimension (mm) h x w x d	35 x 60 x 48
No. of temperature probes	1 – integrated
No. of control outputs	1















2. Temperature control, voltage protection, stabilisation and energy saving *

FreoCom FCM

Temperature control, voltage protection, stabilisation and optional energy saving for all fridges, freezers, and coolers



- Highly accurate temperature measurement and control – not affected by barometric pressure
- Timed/automatic defrost
- · Low voltage protection
- High voltage protection
- Voltage stabilisation by means of an external transformer
- Spike/surge protection
- Water splash resistance for rugged applications
- In-circuit programming allowing the units to be re-programmed while installed in the field
- Integrated temperature probe
- * Optional energy saving

Current rating	FCMW: 1 x 16A, 1 x 3A FCML: 2 x 16A, 1 x 3A
Weight (Kg)	0.136
Dimension (mm) h x w x d	37 x 90 x 72
No. of temperature probes	1 – integrated
No. of control outputs	FCMW: 2 FCML: 3
Regulation	FCMW: large boost, small boost, 1:1, buck FCML: boost, 1:1



Model

FCM



Product Code

Call sales

















Input and output voltage range

FOR	// / / / / / / / / / / / / / / / / / /					FOR	41				
FUN 23	/ W BOV	11	15V	127	7 V	FUN 23		11	15V	127	V
144	off	72	off	79	off	158	off	78	off	86	off
145	182	73	91	80	101	160	182	79	89	88	100
155	196	78	98	86	108	165	188	83	95	92	105
165	208	83	104	91	115	175	200	88	100	97	111
175	221	88	111	97	122	185	211	93	106	103	117
185	233	93	117	102	129	195	222	98	112	108	123
195	221	98	111	108	136	205	234	103	117	114	130
205	232	103	116	113	127	210	239	105	120	116	132
210	237	105	119	116	130	215	245	108	123	119	136
215	215	108	108	119	133	225	225	113	113	125	125
225	225	113	113	124	124	235	235	118	118	130	130
235	235	118	118	130	130	240	240	120	120	133	133
240	240	120	120	133	133	245	245	123	123	136	136
245	218	123	109	135	135	255	255	127	127	142	142
255	228	128	114	141	125	259	259	129	129	146	146
265	237	133	119	146	130	260	off	130	off	147	off
275	248	138	124	152	135						
285	255	143	128	157	140						
290	259	145	130	164	146						
291	off	146	off	165	off						

3. Temperature control, voltage protection, energy saving, and stabilisation

FreoTec FTD



Delivers highly accurate temperature measurement and control. Featuring universal input voltage and energy saving by means of temperature set-back. Features digital display of the measured temperature and various operational alarms, as well as viewing and setting of many operational parameters.



- Highly accurate temperature measurement and control – not affected by barometric pressure
- Energy saving by means of temperature set-back, fan cycle etc
- Timed or/and dynamic automatic defrost
- Predictive energy saving via KBC (Knowledge Based Control)
- · Low and high voltage protection
- DIN standard panel mount 45mm x 92mm cut-out
- · Universal input voltage
- Digital display
- · Front panel programmable buttons
- · Spike/surge protection

- · Water splash resistance for rugged applications
- In-circuit programming allowing the units to be reprogrammed while installed in the field
- External remote temperature probe for precise measurement

Current rating	FTD1y: 1x16A
	FTD2y: 1x16A, 1x3A
	FTD3y: 1x16A, 2x3A
	FTD4y: 1x16A, 3x3A
	FTD5y: 1x16A, 4x3A
Weight (Kg)	0.147
Dimension (mm) h x w x d	43 x 90 x 59
No. of temperature probes	3
No. of control outputs	FTD1x: 1-5
	(depending on model)



Product Code

92412**XY**0

Model

FTDXYE























FreoTec FTA



Temperature control, energy saving, voltage protection and stabilisation for

all fridges, freezers, and coolers

Delivers highly accurate temperature measurement and control. Featuring universal input voltage and energy saving by means of temperature set-back. Features digital display of the measured temperature and various operational alarms, as well as viewing and setting of many operational parameters by means of an external digital display.

- Highly accurate temperature measurement and control – not affected by barometric pressure
- Energy saving by means of temperature set-back, fan cycle etc
- Timed or/and dynamic automatic defrost
- Low and high voltage protection
- Universal input voltage
- Spike/surge protection
- Water splash proof for rugged application
- In-circuit programming allowing the units to be re-programmed while installed in the field
- External remote temperature probes for precise measurement
- Reduced running costs and extended compressor life

Optional Voltage stabilisation by means of an external transformer

Optional External switch module (**Energy Saving Switch Module ESM**) to activate/de-activate energy saving mode manually

Optional Digital display of the temperature and various operational alarms, as well as viewing and setting many operational parameter by means of an external digital display unit (FDM0: LCD version, FDM1: LED version)

Current rating	FTA1: 1x16A
	FTA2: 2x16A
	FTA3: 3x16A
Weight (Kg) excl. display	FTA1: 0.315
& transformer	FTA2: 0.332
	FTA3: 0.349
Dimension (mm) h x w x d	43 x 150 x 135
No. of temperature probes	2
No. of control outputs	FTA1: 1
	FTA2: 2
	FTA3: 3





























FreoTec FTA optional extra

FDM₀



LCD digital display suitable for DIN panel mounting

With an LCD digital display, Sollatek FDM0 displays the current temperature measured by the FTA unit, or by its own temperature probe (if fitted). It also includes a display of various operational alarms and a built-in menu that displays and modifies some parameters and variables of the FreoTec FTA unit

- LCD type digital display of viewing area of 37mm x 14mm.
- DIN standard panel mount 45mm x 92mm cut-out.
- Water splash proof for rugged application
- In-circuit programming allowing the units to be re-programmed while installed in the field

Current rating	N/A
Weight (Kg)	0.086
Dimension (mm) h x w x d	43 x 90 x 59
No. of temperature probes	1 (optional - FDM01)
No. of control outputs	N/A

Model Product Code FDM0 92390000

FreoTec FTA optional extra

FDM1

LED digital display suitable for din panel mounting

With an LED digital display, Sollatek FDM1 displays the current temperature measured by the FTA unit. It also includes a display of various operational alarms and a built-in menu that displays and modifies some parameters and variables of the FreoTec FTA unit.



- LED type digital display of viewing area of 37mm x 14mm.
- 0.52" 7-segment LEDs, and it comes in two colours, red and green.
- DIN standard panel mount 45mm x 92mm cut-out
- Water splash proof for rugged application
- In-circuit programming allowing the units to be re-programmed while installed in the field

Current rating	N/A
Weight (Kg)	0.086
Dimension (mm) h x w x d	43 x 90 x 59
No. of temperature probes	N/A
No. of control outputs	N/A

Product Code

Model

FreoTec FTA optional extra

Energy Saving Module ESM



Model Product Code
Energy Saving Module 9A110000

External module for indication and manual activation/de-activation of energy saving mode of the FreoTec FTA unit.

- small size
- · energy save button
- status indicator

 Weight (Kg)
 0.127

 Dimension (mm) h x w x d
 19 x 44 x 28

4. Temperature display

FD01



 Model
 Product Code

 FD01-Red
 92306010

 FD01-Green
 92305010

Large format temperature monitor

Highly accurate LED temperature measurement display.

Large and bright 2.24inch/57mm Double-Digit display of the measured temperature in Celsius or Fahrenheit scales. Open frame design for mounting behind displays. Visible from a distance of at least 20m.

- · Accurate temperature measurement
- · Large display
- Manual adjustment of display brightness with automatic compensation for variations in ambient lighting
- · Universal input voltage
- Open frame design for mounting behind displays
- In-circuit programming allowing the units to be reprogrammed while installed in the field
- · Available in red, green or blue display

Supply voltage	80-26 VAC
Weight (Kg)	0.170
Dimensions (mm)	89x129x43
No. of temperature probes	1



FD01-Blue



92304010



FD05

Temperature monitor

LCD digital display of the temperature, not affected by barometric pressure.



Model Product Code FD05 Call Sales

- Highly accurate temperature measurement
- DIN standard panel mount 45mm x 92mm cut-out
- · Universal input voltage
- Water splash proof for rugged applications
- Audible alarm to warn of temperature out of range
- In-circuit programming allowing the units to be reprogrammed while installed in the field

Current rating	N/A
Weight (Kg)	0.147
Dimension (mm) h x w x d	43 x 90 x 59
No. of temperature probes	Up to 3
No. of control outputs	N/A













5. Energy saving and voltage protection

FreoSave



Offers an enhanced energy saving capability. The FreoSave can achieve between 5% and 25% savings on energy consumption.

Energy saving, soft starter and voltage protection for all fridges, freezers, and coolers

- Energy saving of up to 25%
- Reduction of compressor start-current by up to 40% through a soft-start feature
- Low and high voltage protection
- Reduced running costs and extended compressor life
- Spike/surge protection
- Water splash proof for rugged application
- Aids compliance with energy efficiency and voltage flicker regulations.

• In-circuit programming – allowing the units to be re-programmed while installed in the field

Current rating	FS05: 1x5A FS10: 1x10A
	FS15: 1x15A
Weight (Kg)	FS05: 0.143
	FS10: 0.163
	FS15: 0.183
Dimension (mm) h x w x d	FS05: 61 x 90 x 70
	FS10: 48 x 90 x 70
	FS15: 72 x 90 x 70
No. of temperature probes	N/A
No. of control outputs	1

















6. Lamp ballasts

Helio



Model Product Code A15328 968A15328 A18328 968A18328 968A30328 A30328 968436328 A36328





High frequency fluorescent lighting ballast

Sollatek AC lamp ballasts provide high frequency electronic drive for fluorescent lamps in many applications including coolers and fridges. Providing efficient, reliable lighting of product areas and advertising panels.

- · High efficiency, energy saving design
- High frequency operation reduces flicker and improves lamp efficiency
- Input power factor (>0.9)
- Wide input voltage range 200V 260Vac
- · Flexibility: can drive 1 or 2 lamps
- · Spring-loaded push-fit connectors for ease of installation
- Small size

A15328: 1,2 x 15W T8
A18328: 1,2 x 18W T8
A30328: 1,2 x 30W T8
A36328: 1,2 x 36W T8
A15328: 0.195
A18328: 0.195
A30328: 0.184
A36328: 0.184
175 x 45 x 40

7. Voltage protection

FreoGuard

Voltage protection for all fridges, freezers, and coolers

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

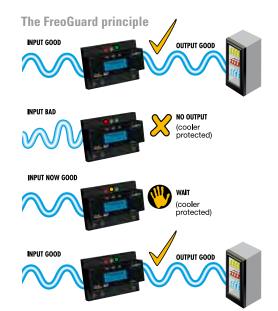


Motors generally, and refrigeration compressors specifically are susceptible to damage from under voltage. The motor (particularly the compressor in a refrigeration system) draws more current to compensate for the lower mains supply voltage, burning out its windings, or at least reducing its useful life.

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.

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.

Intelligent Start up delay: By monitoring the mains supply at all times, if the unit has been switched off for a long period, the Freoguard reduces its own start up delay to maximize operation time.



- **Current rating** FG16: 1 x 16A FG30: 1 x 30A Weight (Kg) FG16: 0.136 FG30: 0.147 Dims mm (h x w x d) 37 x 90 x 72 No. of temperature probes N/A No. of control outputs
- High voltage protection
- · Low voltage protection
- · Spike / surge protection
- · Water splash resistance for rugged applications
- · Suitable for air conditioners up to 30A or 24,000 BTU

TIMESAVE™ description



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.

Model	Product Code
FG16-115V	92340000
FG16-230V	92344000

FG30-115V 92344400 FG30-230V











See TIMESAVE® description above

8. Voltage protection and stabilisation

FSP*

FSP

Voltage protection and stabilisation for all fridges, freezers, and coolers

Provides a clean, regulated AC power supply to OEM equipment in environments with unreliable, fluctuating mains supply.

Voltage fluctuations can have a serious and detrimental effect on motors and compressors, reducing or eliminating their effective cooling output, and, very commonly, causing damage to the compressor. The Sollatek Freo Stabilised Protector (FSP)* is an intelligent stabiliser plus protector combined. The FSP provides clean, regulated AC power supply that can be incorporated in any refrigeration appliance.

The FSP builds on the protection provided by the FreoGuard by ensuring the mains supply is corrected to good working limits and in the event the drop or rise in voltage is too extreme and beyond the range of the FSP, it will disconnect the power and provide the intelligent start up delay.

The FSP is available in 2 different ranges, FSPW and FSPL. The FSPW provides the widest range of voltage stabilisation and the FSPL has the lowest range. The lowest range is for areas of low voltage problems whilst the FSPW is for areas of severe and chronic voltage fluctuations.

Hundreds of thousands of Sollatek protectors are now in use in fridges, freezers, bottle coolers and air-conditioners worldwide and have proved to be extremely effective economically in reducing maintenance costs and down time.

In some countries the mains voltage is low or fluctuating most of the time. In these situations the compressor is certain to suffer damage in time and furthermore its cooling function is severely handicapped. In these situations the only solution is to fit a Sollatek FSP.

In these countries the Sollatek FSP can be depended on to greatly improve compressor reliability, in otherwise unreliable mains environments.

- · Voltage stabilisation
- Low voltage protection

- High voltage protection
- · Spike/surge protection
- Water splash resistance for rugged applications
- In-circuit programming allowing the units to be reprogrammed while installed in the field
- · Time delay on restart

	Standard range	High current range					
Current rating	FSPW: 1 x 16A, 1 x 3A	FSPW: 1 x 20A					
	FSPL: 2 x 16A, 1 x 3A	FSPL: 1 x 20A					
Weight [†] Kg	0.136	0.323					
Dims [†] mm (h x w x d)	37 x 90 x 72	112 x 95 x 30					
No. of temperature probes	N/A	N/A					
No. of control outputs	FSPW: 2	FSPW: 1					
	FSPL: 3	FSPL: 1					
Regulation	FSPW: large boost, small boost, 1:1, buck						
	FSPL: boost, 1:1						

[†] excluding transformer. Contact sales for more information.

Input and output voltage range

FCDW

F5P	W.				
23	80V	11	5V	127	v
144	off	72	off	79	off
145	182	73	91	80	101
155	196	78	98	86	108
165	208	83	104	91	115
175	221	88	111	97	122
185	233	93	117	102	129
195	221	98	111	108	136
205	232	103	116	113	127
210	237	105	119	116	130
215	215	108	108	119	133
225	225	113	113	124	124
235	235	118	118	130	130
240	240	120	120	133	133
245	218	123	109	135	135
255	228	128	114	141	125
265	237	133	119	146	130
275	248	138	124	152	135
285	255	143	128	157	140
290	259	145	130	164	146
291	off	146	off	165	off

Ī	FSP 230	L	11	15V	107	v		
ı	201	UV		15V	127V			
Ī	158	off	78	off	86	off		
	160	182	79	89	88	100		
	165	188	83	95	92	105		
	175	200	88	100	97	111		
	185	211	93	106	103	117		
	195	222	98	112	108	123		
	205	234	103	117	114	130		
	210	239	105	120	116	132		
	215	245	108	123	119	136		
	225	225	113	113	125	125		
	235	235	118	118	130	130		
	240	240	120	120	133	133		
	245	245	123	123	136	136		
	255	255	127	127	142	142		
	259	259	129	129	146	146		
	260	off	130	off	147	off		

Model FSP Product Code for exact model required,













^{*} formerly known as ASP

FCC

Product Code

91605000

91610000

91615000

Low voltage regulated power supply

Regulated electronic step-down AC power supply for all fridges and freezer accessories.

- Regulated AC power supply for a wide input range, 75VAC to 280VAC
- Suitable for powering glass door heaters, demisters, defrost heaters etc
- High accuracy output to within 1%
- Optional soft-start feature for start-up current limitation
- Low and high voltage protection
- Spike/surge protection
- · Very light weight
- Water splash proof for rugged application

• In-circuit programming - allowing the units to be reprogrammed while installed in the field

Current rating	FCC03: 3A
	FCC10: 10A
	FCC15: 15A
Weight (Kg)	0.138
Dimensions (mm)	32x90x70
No. of Temperature Probes	N/A
No. of Control Outputs	1



Model

FCC03

FCC10

FCC15









FCB01



FCB01 92310000

Door Alarm

A small alarm that attracts attention when the cooler door is left open for more than a certain time. This helps prevent warm product and saves energy.

- Audible alarm
- Custom time delay (2mins standard)
- Wide voltage range of 80-300V AC
- · Connects to door switch
- Indicator LED

Voltage range	80-300V
Weight (Kg)	0.078
Dimension (mm) h x w x d	35 x 60 x 48
No. of temperature probes	N/A





















						4		-			
		FCA		F	cv	FCD11	FCL	FC	FCM		
	FCA1	FCA2	FCA3	FCV10	FCV30			FCML	FCMW		FTA1
Electronic Thermostatic Control											
Timed Defrost	1	1	1	1	1	√ *	1	1	1	1	1
Active Defrost	1	1	1			/ *				1	1
Probes	1	1	1	1	1	2**	1	1	1	3	2
Digital Temperature Display						1				1	✓°
User Adjustable Temperature											
Setting	1	1	1							1	✓°
Energy Saving											
Temperature Set-Back										1	✓~
Waveform Modification											
Fan Cycle or other		1	✓		1			1	1	✓	
Voltage Protection											
High Voltage Disconnect	1	1	1	1	1	1	1	1	1	1	1
Low Voltage Disconnect	1	1	1	1	1	/	1	1	/	1	/
Voltage Stabilisation											
Boost Taps								1	2		2
Boost Range for O/P ± 6%								-17%	-17%		-25%
Boost Range for O/P ± 10%								-21%	-21%		-29%
Buck Taps									1		1
Buck Range for O/P ± 6%									+19%		+19%
Buck Range for O/P ±10%									+24%		+24%
Extras											
Spike Protection	/	/	/	1	1	/	/	/	/	/	1
Time Delay on Re-start	1	/	/	1	1	1	/	/	/	/	1
Intelligent Time Delay	/	/	/	1	1	1	/	/	/	/	1
In-Circuit Programming	1	/	1	1	1	1	/	/	/	/	1
Profile Function	1	/	/								
Alarms											
Alarm Buzzer										/	/
NTC Fault	/	/	1	1	1	/	1	/	/	/	/
Out of Range - Temperature	1	1	1	1	1	1	/	1	1	/	1
Out of Range - Voltage	1	/	1	1	1	/	1	1	/	1	1
Internal Fault	/	/	/	1	/	1	/	/	/	/	1
Current Rating	-	-	-	,	,		-	-			
Outputs	1	2	3	1	3	1	1	3	2	5	1
Output 1	16A	16A	16A	16A	16A	25A	16A	1A-16A	1A-16A	16A	16A
Output 2	1071	3A	3A		16A	25/1	.5/1	16A	3A	3A	
Output 3			3A		3A			3A	37.	3A	
Output 4			- J		- JA			- J		3A	
Output 5										3A	
Nominal Operating Voltages			<u> </u>								
Operating Frequency											
Mechanical											
Dimensions (mm) h x w x d	58x32x42	58x32x42	58x32x42	37x90x72	37x90x72	89x129x43	35x60x48	t	t	43x90x59	43x150x135
Weight (kg)	0.099	0.103	0.107	0.143	0.166	0.177	0.078	t	†	0.147	0.315
vveigitt (kg)	0.039	0.103	0.107	0.143	0.100	0.177	0.076	'	_ '	0.14/	0.015

^{*} Optional

^{** 2}nd probe is optional.

[°] optional FDM0-LCD, FDM1-LED

[~] via FDM0 or FDM1 or ESM or Door switch

[†] Refer to brochure















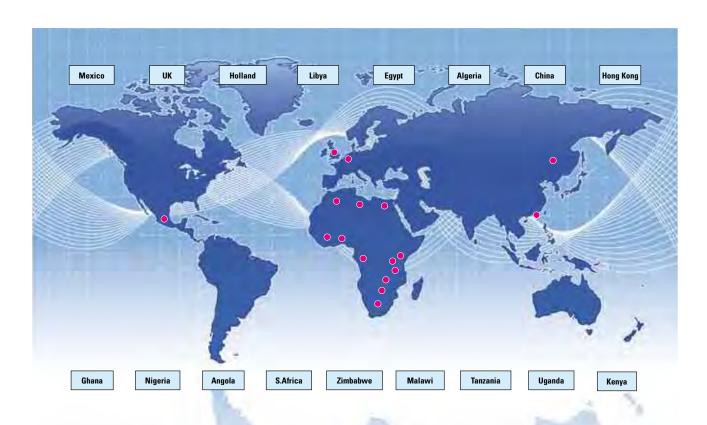


							5117			100					
FTA		FD01	FD05		FreoSave		Ballast	Freo	Guard		SP SP		FCC		FCB01
FTA2	FTA3			FS05	FS10	FS15	Helio	FG16	FG30	FSPL	FSPW	FCC03	FCC10	FCC15	
	l										l				
1	1														
✓	1														
2	2	1	3												
✓°	✓°	1	1												
✓°	✓°														
√~	√~														
				✓	1	1									
✓	1														
1	1			1	1	1		1	1	1	1	1	1	1	
1	1			1	1	1		1	1	1	1	1	1	/	
2	2									1	2				
-25%	-25%									-17%	-25%				
-29%	-29%									-21%	+29%				
1	1										1				
+19%	+19%										+19%				
+24%	+24%										+24%				
1	1	1	1	1	/	1	1	1	/	/	1	/	1	1	1
✓ /	/			1	1	1	-	1	1	/	/		-	-	1
1	/			1	1	/		1	/	/	1				-
/	/	1	/	/	1	1		•		/	1	/	1	1	
•	•	•	_	/	/	/				<u> </u>	•	/	/	1	
				·	V	•						· ·	•	<u> </u>	
/	1		1												1
✓	1	/	<i>'</i>												
✓ ✓	1														
✓ ✓	1	✓ ✓	1	/	/	/		/	,	/	1	/	1		
			,						1					<i>\</i>	
✓	1	/	1	1	1	1		1	1	1	1	1	1	1	
•							10								
2	3			1	1	1	1 or 2	1	1	3	2	1	1	1	
16A	16A			5A	10A	15A		16A	30A	1A-20A	1A-20A	3A	10A	15A	
16A	16A									16A	3A				
	16A									3A					
110V to 24	.0V														

35-75Hz

43x150x135	43x150x135	80x129x43	43x90x59	61x90x70	48x90x70	72x90x70	175x45x40	37x90x72	37x90x72	t	t	32x90x70	32x90x70	32x90x70	35x60x48
0.332	0.349	0.170	0.147	0.143	0.163	0.183	t	0.136	0.147	t	t	0.138	0.138	0.138	0.078

Sollatek worldwide companies and agents



Distributors in over 50 countries including:

Algeria	Malawi	Zambia	Nepal	Yemen	United Kingdom
Angola	Mozambique	Zimbabwe	Pakistan	Australia	Mexico
Benin	Nigeria	Azerbaijan	Philippines	Denmark	USA
Cameroon	Sierra Leone	Croatia	Qatar	Finland	Venezuela
Egypt	South Africa	Hong Kong	Saudi Arabia	Greece	
Ghana	Sudan	Iraq	Taiwan	Holland	
Kenya	Tanzania	Jordan	Turkey	Norway	
Libya	Uganda	Kazakhstan	UAE	Sweden	

Sollatek (UK) Ltd

Unit 10 Poyle 14 Newlands drive, Poyle, Slough SL3 0DX, UK.

Tel:

International: +44 1753 688300 National: 01753 688300

Fax:

International: +44 1753 685306 National: 01753 685306

E-mail:

sales@sollatek.com

Internet:

www.sollatek.com



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.



www.sollatek.com



ISO9001: 2000 accredited company

All weights and dimensions are approximate. Specifications are subject to change without prior notice. ©Sollatek (UK) Limited 2007. All Rights Reserved. SOLLATEK and the SOLLATEK device are the trade marks of the Sollatek group of companies.

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