

Technical Data Sheet

VFS - Voltage & Frequency Supervisor

VFS is an efficient small size electronic Supervisor designed for OEM installation. It has been designed for a variety of applications such as:

- Glass Door Coolers
- Subzero Beer coolers
- Freezers
- Double Door Coolers
- Cake Coolers
- Vending Machines
- Post Mix Applications



Its advanced design and control features are managed by the advanced microcontroller technology and patented Algorithm.

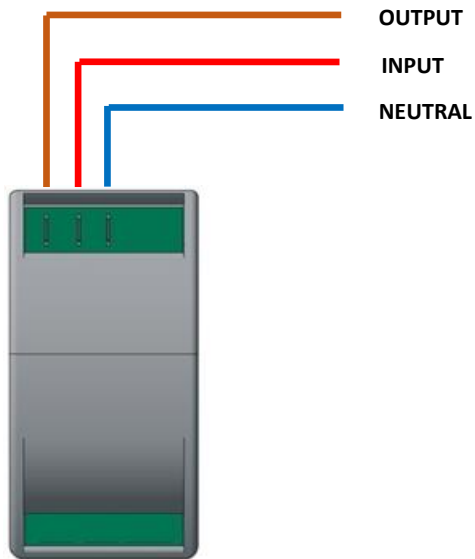
Features

- Voltage and Frequency Supervisor with adjustable limits
- Status LED (Embedded)
- Galvanic Isolated– Reinforced insulation
- Smart configurable start-up delay to protect from unstable supply (Timmer)
- Installation area monitoring for thermal event prevention

Technical Data

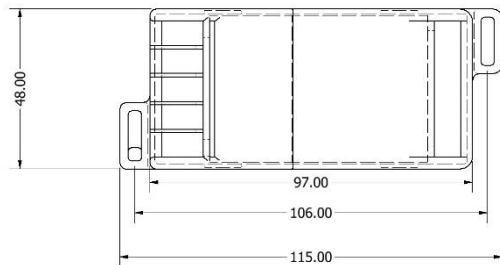
VFS Specifications			
		115V Version	230V Version
Operating conditions	Nominal Voltage	115 VAC	230 VAC
	Operation Voltage Bandwidth	55 - 145 VAC	110 - 285 VAC
	Ambient Temperature	Tmin -40°C Tmax+50°C	
	Humidity	0 - 85 %RH	
	Output Cut-Off Range (Programmable)	90 - 130VAC / 45 - 65 Hz	160 - 250VAC / 45 - 65 Hz
	Output Current Capacity	10(6)A	
Thermal protection		<ul style="list-style-type: none"> - Temperature limits +85 °C - Temperature differential 15°C / 16 min 	
Plastic Housing		UL94 V-0 Flame Retardant	
Relay Lifetime		Output Relay lifetime cycles > 100.000	
Pollution Degree		III (3)	
PTI		250	
Insulation (between Main Power and Accessible Parts)		Reinforced	
Power Connections		6.3mm x 0.8mm flat, terminal	
Total weight (g)		0.155 kg	

Connection Layout

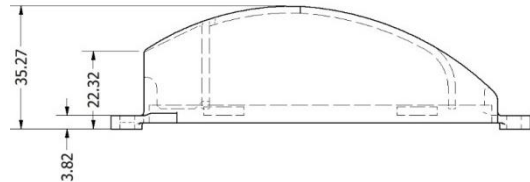


Dimensions drawings

Top View



Side View



All Dimensions are given in mm

Approvals		
CB - Test Certificate	IEC 60730-1 : 2013 + A1 IEC 60730 - 2 - 9 : 2015 + A1 : 2018	The controls pass the GW750 test according IEC 60335-1:2010 clause 30.2.3.2. Relays separately tested as sealed device according to IEC / EN 60079-15:2010 clause 22.5.
CE₀₄₁₃ - Declaration of Conformity - Verification of Conformity	EN 60730 - 1 : 2016 EN IEC 60730 - 2 - 9 : 2019	
RoHS III (EU Directive 2015/863)		