



Breakermatic Refrigerators

Voltage protector for refrigerators or fridges

Description

The BREAKERMATIC REFRIGERATORS has been specially designed to prevent damage that a blackout or high/low voltage can cause to your refrigerator or refrigeration equipment. Plugs directly into outlet.

Easy to install and guaranteed protection 24 hours a day!

Ideal for:

- Domestic Freezers
- Water coolers
- Domestic refrigerators or refrigerators up to 27 cubic feet
- Refrigerators or executive refrigerators
- Minibar.

Operation

1. Protection against voltage variations in steady state. The BREAKERMATIC Refrigerators disconnects the output if the steady-state voltage is above the high cut-off voltage or below the low cut-off voltage indicated in the specifications. The response time to a fault is typically 1 s. The voltage must remain out of range longer than the response time for the disconnection to be activated. As long as the fault remains, the corresponding high or low voltage indicator will remain on.
2. Reconnection delay or waiting cycle. Upon energizing the protector, or upon completion of a voltage fault, the protector will initiate a time delay before connecting the output. The duration of the time delay is indicated in the specifications. The on-delay is designed to allow equalization of cooling system pressures following a service interruption.
3. Detection of blackouts, "sag", etc. The protector will disconnect the load if it detects a sudden voltage drop below 50% of the nominal voltage and will initiate a delay cycle.

Models

Model	Nominal voltage	Nominal amperage	Frecuency	Cut-off voltages	Delay cycle	Response Time	features
PME110-TROEST	120VAC	10A	50/60 Hz	95V-138V	3:50	1s	Grounding terminal
PME110-TROUEM	120VAC	10A	50/60 Hz	95V-138V	3:50	1s	English - spanish
PME110-000EST	120VAC	10A	50/60Hz	95V-138V	3:50	1s	No ground terminal

Especificaciones

Electrical			
Nominal voltage	120	VAC	
Nominal frequency	50 - 60	Hz	
Voltage protection			
Low cut-off voltage	95 +/- 3%	VAC	
High cut-off voltage	138 +/- 3%	VAC	
Reconnection hysteresis	3 - 6	VAC	
Response time	1 +/- 20%	s.	
Delay cycle	3:50 +/- 20%	min:sec	
Blackout Detection			
Minimum blackout duration (0% nominal voltage)	32 -64	ms	
Minimum blackout duration (50% nominal voltage)	>100	ms	
Maximum load			
Load capacity Current (amperage)	10	A	
Mechanical			
Dimensions			
Length	96	mm	
Width	63	mm	
Height	30	mm	
Weight	147	gr.	
Connections			
	PME110-TR0EST	PME110-TR0UEM	PME110-000EST
input plug	NEMA 5-15P	NEMA 5-15P	NEMA 1-15P
Outlet Receptacle	NEMA 5-15R	NEMA 5-15R	NEMA 5-15R
Insulating materials			
Enclosure	ABS		
Receptacle	PC		
Printed circuit board	FR4		
Flame retardant rating (UL94)			
Enclosure	V0, 5VA		
Receptacle	V0		
Printed circuit board	V0		
Insulation resistance (NTC1650:2004 Num 17.1)	>550	Mohms	
Dielectric strength (NTC1650:2004 num 17.2)	>1.25	kV	
Environmental			
Maximum ambient operating temperature	45	°C	
Place of use: Indoor use, in a dry and ventilated place	Yes		
Outdoor use and/or humid places	No		