

# INDUSTRIAL LINE

# BREAKERMATIC®

ELECTRONIC PROTECTORS FOR AIR CONDITIONING AND REFRIGERATION 



**BREAKERMATIC® TRABAJO PESADO Supresor de Picos**, protects your 120V single phase equipment against damage caused by high or low voltages, transient surges, blackouts and other electrical disturbances. It has on the front with a switch on and off the protector, and with 4 knobs that allow you to configure the two cut-off voltages and the duration of the standby cycle and the response time. A transparent lid allows you to secure the settings to prevent tampering by the end user. The mounting of the protector can be done using an omega rail (DIN Rail), for electrical panels or directly to a wall, through built-in fixing hooks.

**IDEAL FOR:** • Air conditioning units with inverter technology • Air handling units (UMA) • Air extractors • Condensing units • Commercial refrigerators and showcases with electronic temperature control • Inverter refrigeration equipment • Refreshments, bottle racks and slush machines • Electronically controlled units • Single-phase lighting boards.

**FEATURES:** • Protection against: low voltage, high voltage and blackouts • Adjustable waiting cycle that allows the stabilization of the system and the sequencing of loads starting • 5 LED indicators that show the status of the protector • Power switch • Transparent and sealable adjustment cover • Fully automatic operation • Installation: wired, requires trained personnel.

"Click"  
to see

AVAILABLE MODELS / TECHNICAL SPECIFICATIONS

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## BREAKERMATIC® TRABAJO PESADO Supresor de Picos / CONNECTION DIAGRAM:

A dry, ventilated place that allows the visualization of the panel of your BREAKERMATIC® equipment and proceed with the installation as indicated below:

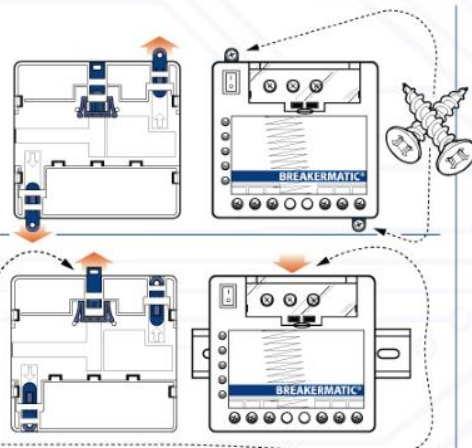
### 1. Assembly:

#### Option "A" (with Hooks or Tabs)

1. Slide the tabs or hooks until it "Clicks".
2. Secure the computer to the board or chassis using screws.

#### Option "B" (on DIN Rail)

1. Raise the tab.
2. Fit on the DIN Rail.
3. Lower the tab to the stop on the housing to secure the shield.



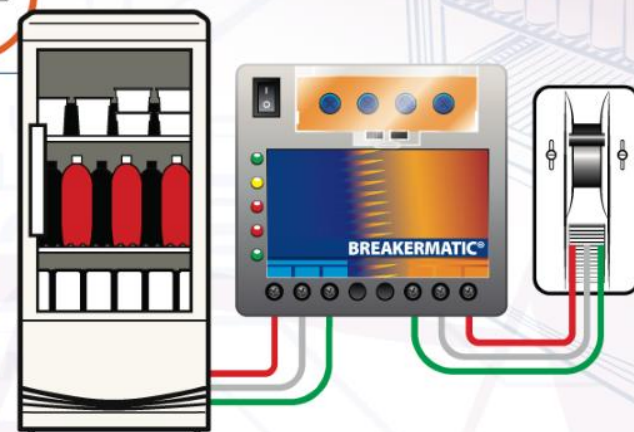
### 2. Preparation:

"Firmly" attach the supplied terminals to the power cables.



### 3. Installation:

- A. Identify the "PHASE" wires coming from the breaker with a voltage tester and connect the wires to the protector connection strip where it says "INPUT".
- B. Identify the cables that go to the equipment to be protected and connect them where it says "OUTPUT".
- C. Turn on the breaker or fuse switch and your equipment will be automatically protected 24 hours a day.



## TECHNICAL SPECIFICATIONS:

Code	Nominal Voltage (VAC)	Maximum Current	Maximum Load	Disconnection Voltages	Contact Type	Ignition Delay (min / sec)	Response Time (sec)	Switch On/Off	Adjustable Voltage	Weight (g)
PMP110-DOOE++**	120	30A	1 hp	Low V. Cut-Off: 80-115VAC ± 3% / High V. Cut-Off: 115-150VAC ± 3% *	SOLID STATE	2:30 - 4:30 ± 20% *	1,8*	YES	YES	280
Frequency: 50/60Hz.		Input Connection: 3-Contact Terminal Block		Output Connection: 3-Contact Terminal Block		Dimensions (mm): 111 x 103 x 43				

(\*) Adjustable. (\*\*) Especial para Equipos con Tecnología Inverter.

return