

INDUSTRIAL LINE

BREAKERMATIC®

ELECTRONIC PROTECTORS FOR AIR CONDITIONING AND REFRIGERATION 

BREAKERMATIC® Ultra 220 Supresor de Picos, protects your 220V single-phase equipment against damage caused by high or low voltages, transient overvoltages, 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 • Units electronically controlled • Single-phase lighting panels.

FAETURES: • Protection against: low voltage, high voltage and blackouts • Suppression of Transient Overvoltages • Configurable waiting cycle, which allows system stabilization and load start-up sequencing • Response time adjustment that allows it to adapt to loads with high starting inertia and adjust the sensitivity of the protector • 5 indicator LEDs that show the status of the protector • Ignition switch • Transparent and sealable adjustment cover • Fully automatic operation • Installation: wiring, must be carried out by qualified electrical personnel.

"Click"
to see

AVAILABLE MODELS / TECHNICAL SPECIFICATIONS

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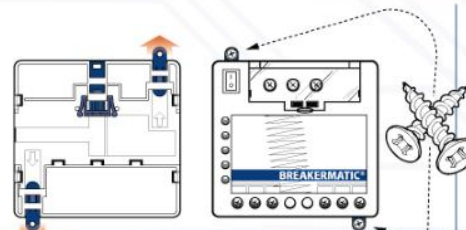
BREAKERMATIC® Ultra 220 Supresor de Picos / CONNECTION DIAGRAM:

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:

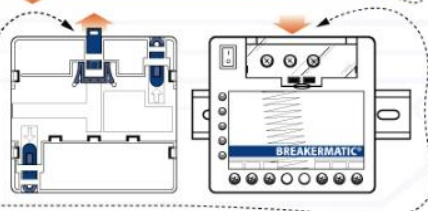
Option "A" (with Hooks or Tabs)

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



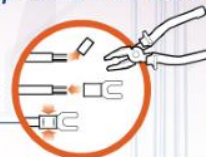
Option "B" (on DIN Rail)

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.



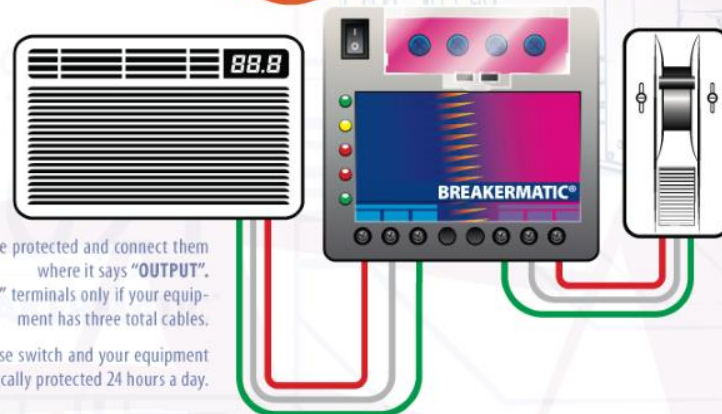
3. Installation:

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".

NOTE: Use the "GROUND" terminals only if your equipment has three total cables.

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)	Transient Voltage Suppression	Switch On/Off	Adjustable Voltage	Weight (g)
PMP220-AD0E++ **	208-220	40A	2 hp	Low V. Cut-Off: 150-215 VAC ± 3% / High V. Cut-Off: 215-280 VAC ± 3% *	SOLID STATE	0:30 - 4:30 ± 20% *	1 - 8 *	470V / 840J	YES	YES	280
PMP220-BD0E++ **	208-220	30A	1½ hp	Low V. Cut-Off: 150-215 VAC ± 3% / High V. Cut-Off: 215-280 VAC ± 3% *	DRY RELAY	0:30 - 4:30 ± 20% *	1 - 8 *	470V / 840J	YES	YES	280

Frequency: 50/60Hz.

Input Connection: 3-Contact Terminal Block

Output Connection: 3-Contact Terminal Block

Dimensiones (mm): 111 x 103 x 43

(*) Adjustable. (**) Special for Equipment with Inverter Technology.

return