

INDUSTRIAL LINE

BREAKERMATIC®

ELECTRONIC PROTECTORS FOR AIR CONDITIONERS, ENGINES and REFRIGERATION



BREAKERMATIC® ULTRA 220 Pro, protects your 220V single-phase equipment against damage caused by high or low voltages, blackouts and other electrical disturbances. It has on the front with a switch on and off the protector, and with 3 knobs that allow you to configure the two cut-off voltages and the duration of the standby cycle. 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 • Air handling units (UMA) • Condensing units • Refrigerators and commercial display cases • Refrigeration equipment • Refreshments, bottle racks and slush machines.

FEATURES: • Protection against: low voltage, high voltage and blackouts • Configurable waiting cycle, which allows the stabilization of the system and the sequencing of the load starts • 5 LED indicators that show the status of the protector • Power switch • Transparent adjustment cover and sealable • Fully automatic operation • Installation: wiring, must be carried out by qualified electrical personnel.



"Click"
to see

AVAILABLE MODELS / TECHNICAL SPECIFICATIONS

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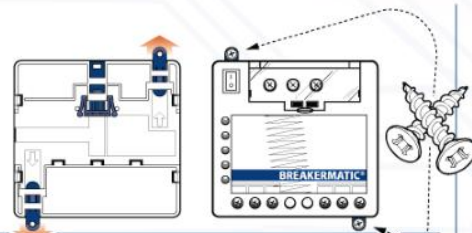
BREAKERMATIC® ULTRA 220 Pro / CONNECTION DIAGRAM:

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:

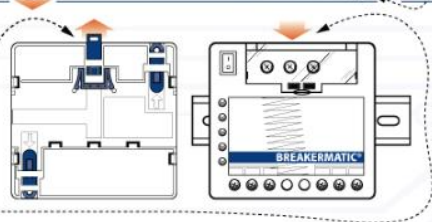
Option "A" (with Hooks or Tabs)

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



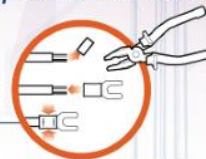
Option "B" (on DIN Rail)

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.



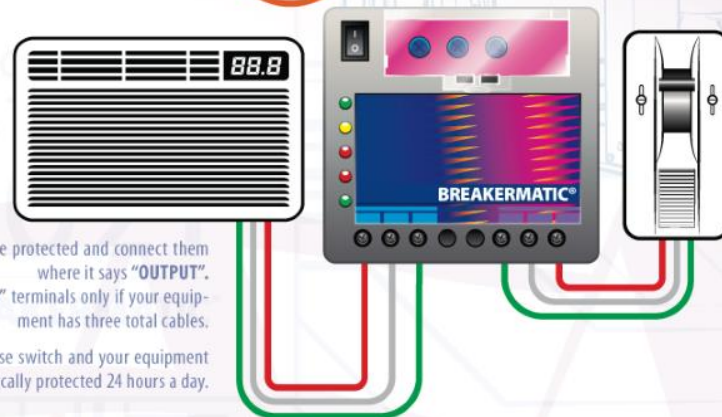
3. Installation:

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)	Switch On/Off	Adjustable Voltage	Weight (g)
PMP220-AD0EST	220	40A	2 hp	Low V. Cut-Off: 150-215 VAC ± 3% / High V. Cut-Off: 215-280 VAC ± 3% *	SOLID STATE	2:30 - 4:30 ± 20% *	1,5	YES	YES	280
PMP220-BD0EST	220	30A	1½ hp	Low V. Cut-Off: 150-215 VAC ± 3% / High V. Cut-Off: 215-280 VAC ± 3% *	DRY RELAY	2:30 - 4:30 ± 20% *	1,5	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.

return