

# BREAKERMATIC®



**BREAKERMATIC® MOTOR SAFE 110/220**, protects electric motors against damage caused by high voltage, low voltage and blackouts. It has on the front 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 waiting cycle and the time between the detection of the fault and the disconnection of the output . 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:** • Electric Panels • Hydropneumatic • Water Pumps • Automatic Motors and Motor Pumps • Automatic Doors and Access Controls • Circulation equipment in swimming pools, Jaccuzzis and hot tubs • Single-phase air compressors • Single-phase electric cranes and hoists.

**FEATURES:** • Protection against: low voltage, high voltage and blackouts • Configurable waiting cycle, which allows the stabilization of the system and the sequencing of starting the loads • Adjustment of the response time to voltage faults that allows you 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

## INDUSTRIAL LINE

## BREAKERMATIC®

ELECTRONIC PROTECTORS FOR MOTORS

## BREAKERMATIC® MOTOR SAFE 110/220 / 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. Encienda el breaker o interruptor con fusible y su equipo estará protegido automáticamente las 24 horas del día.

## AVAILABLE MODELS / 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-D00MOT       | 110-120VAC            | 30A  | 1 hp         | Low V. Cut-Off: 80-115 VAC $\pm 3\%$ / High V. Cut-Off: 115-150 VAC $\pm 3\%$ *  | DRY RELAY    | 2:30 - 4:30 $\pm 20\%$ *        | 1,8*                | YES           | YES                | 280        |
| PMP220-AD0MOT       | 208-220VAC            | 40A  | 2 hp         | Low V. Cut-Off: 150-215 VAC $\pm 3\%$ / High V. Cut-Off: 215-280 VAC $\pm 3\%$ * | SOLID STATE  | 2:30 - 4:30 $\pm 20\%$ *        | 1,8*                | YES           | YES                | 280        |
| PMP220-BD0MOT       | 208-220VAC            | 30A  | 1½ hp        | Low V. Cut-Off: 150-215 VAC $\pm 3\%$ / High V. Cut-Off: 215-280 VAC $\pm 3\%$ * | DRY RELAY    | 2:30 - 4:30 $\pm 20\%$ *        | 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.