INDUSTRIAL LINE BREAKERMATIC®

ELECTRONIC PROTECTORS FOR AIR CONDITIONERS, ENGINES, COOLING AND LIGHTING

BREAKERMATIC® 3FASES Analógico Riel DIN, performs the supervision of the voltages of the three-phase power line, in order to protect three-phase machines against high voltages, low voltages, blackouts, absence of a phase and reversal of the direction of rotation. It has settings to configure the disconnection voltages and the reconnection delay time. The output relay allows controlling an external contactor or any stop signal that allows stopping the machine. Disconnect operation and reset after failure are fully automatic. It has 5 LEDs that show the failures and the status of the protector. 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.

3 YEARS WARRANTY CONDITIONS

IDEAL FOR: *• Refrigeration, air conditioning, ventilation and lighting equipment • Lifts, motors and pumps • Industrial transportation.*

FEATURES: *• Protection against: low voltage, high voltage, blackouts, absence of phase and reversal of the direction of rotation • Adjustable waiting cycle that allows the stabilization of the system and the sequencing of the load start • 5 LED indicators that show the status of the protector • 3 Adjustment Knobs • Transparent and sealable adjustment cover • Fully automatic operation • Installation: wiring from the power supply and to the control signal, must be carried out by qualified technical personnel.*

"Click" to see ***AVAILABLE MODELS / TECHNICAL SPECIFICATIONS***

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ELECTRONIC PROTECTORS **FOR AIR CONDITIONERS, ENGINES, COOLING AND LIGHTING**

BREAKERMATIC® 3FASES Analógico Riel DIN / ***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:

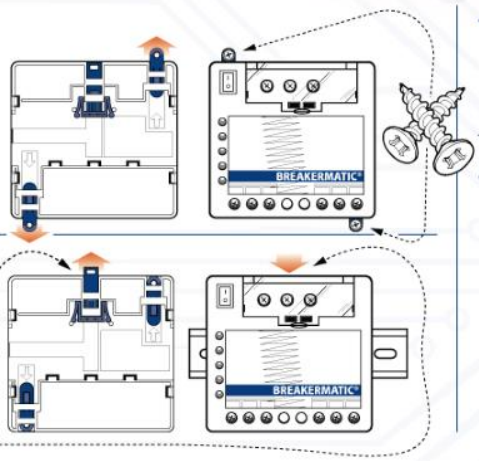
1. Assembly:

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:

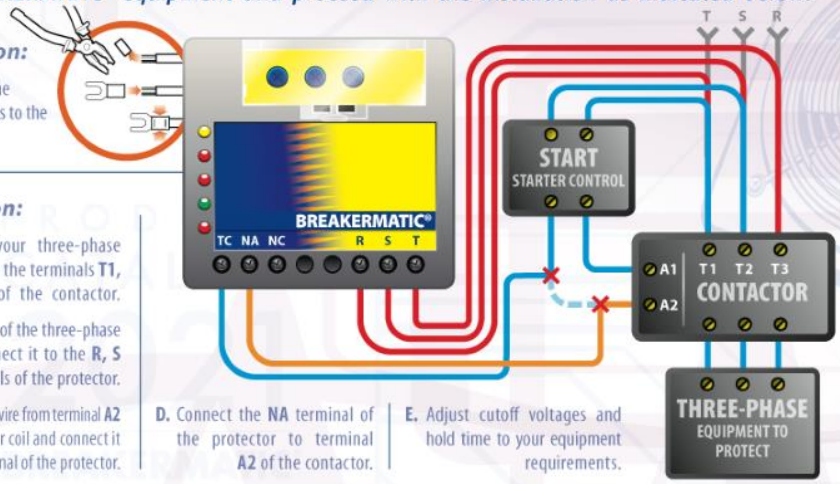
A. Connect your three-phase equipment to the terminals **T1, T2** and **T3** of the contactor.

B. Take a branch of the three-phase line and connect it to the **R, S** and **T** terminals of the protector.

C. Disconnect the wire from terminal **A2** of the contactor coil and connect it to the **TC** terminal of the protector.

D. Connect the **NA** terminal of the protector to terminal **A2** of the contactor.

E. Adjust cutoff voltages and hold time to your equipment requirements.



AVAILABLE MODELS / TECHNICAL SPECIFICATIONS

Code	Nominal Voltage (VAC)	Maximum Current (Control Relay)	Disconnection Voltages	Contact Type	Ignition Delay (min / sec)	Response Time (sec)	Adjustable Voltage	Weight (g)
PTE208-A00EST *	208VAC	5A	Low V. Cut-Off: 140 -210VAC ± 3% / High V. Cut-Off: 210 - 280VAC ± 3% *	DRY RELAY	5 - 300 ± 20% *	1.5	YES	280
PTE440-A00EST *	440VAC	5A	Low V. Cut-Off: Bajo 300 - 440VAC ± 3% / High V. Cut-Off: 440 - 580VAC ± 3% *	DRY RELAY	5 - 300 ± 20% *	1.5	YES	280
PTE480-A00EST *	480VAC	5A	Low V. Cut-Off: 340 - 480VAC ± 3% / High V. Cut-Off: 480 - 620VAC ± 3% *	DRY RELAY	5 - 300 ± 20% *	1.5	YES	280

Frecuency: 60Hz. **Input Connection:** 3-Contact Terminal Block **Output Connection:** 3-Contact Terminal Block **Dimensions (mm):** 139 x 87 x 40

(*) Adjustable.

return

EXIT