



ZEBRA PROTECTORS

by Zebra HVAC™

Plug in, Transient, Surge, Lightning, & Spike

PROTECTION

For ECM Motors, Circuit Boards, & Condensing Units

Protect the systems **you** install and service.



Saves Equipment

The most common cause of Variable Speed (ECM) motor failure is damage to the electronics module as a result of poorly conditioned incoming power.



Fast Installation

Zebra ECM Protectors simply plug-in between the motor connector and the existing wiring harness. A ground strap with a ring terminal is provided for additional protection.



Protects Investment

Zebra Protectors help to prevent valuable equipment from costly damage due to voltage spikes, surges, and transients.



“... easy to install. Great items to protect ECM Motors!”



-Customer Review



Best Seller!



Part #: VZPRO

- Standard 5-pin Connection
- 120v or 240v Motors



Best Seller!



Part #: X13PR

- X13 & Evergreen AH (NOT IM)
- 120v or 240v Motors



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Zebra HVAC



Distributed By:



Sold Only Through Distributors

Comprehensive HVAC Protection



Identify Motor/Power Configuration

Compatibility is based on common motor connector plugs or terminals and power.

Install Motor Protector

Simply plug-in or connect Zebra Motor protector between power harness and motor.

Install Circuit/Heat Pump/24V Protectors

For comprehensive surge protection, simply install a ZAP-PRO and/or PRO-24.

Motor Protectors

Motor Protectors are installed directly between the motor's existing power harness, and the motor itself. Allowing the small protection devices to prevent any incoming power from damaging the electronic modules. inside the motors.



AZURE Motor Protector
Monitored Transient, Surge, Lightning, & Spike Protection for the AZURE ECM Motor
The most common cause of AZURE ECM motor failure is damage to the electronics module as a result of poorly conditioned power.

Plug-In Monitoring plus Transient Surge, Lightning & Spike Protection for ECM Motors

Model #: AZPRO



ECM Motor Protector
Monitored Transient, Surge, Lightning, & Spike Protection for ECM Motors
The most common cause of ECM motor failure is damage to the electronics module as a result of poorly conditioned power.

Plug-In Monitoring plus Transient Surge, Lightning & Spike Protection for ECM Motors

Model #: VZPRO



X-13 / X-Motor Protector
Monitored Transient, Surge, Lightning, & Spike Protection for X-13 & "X" Motors
The most common cause of X-13 ECM motor failure is damage to the electronics module as a result of poorly conditioned power.

Plug-In Monitoring plus Transient Surge, Lightning & Spike Protection for X-13 & "X" Motors

Model #: X13PR



ENSITE Motor Protector
Monitored Transient, Surge, Lightning, & Spike Protection for the Ensite Motor
The most common cause of Ensite motor failure is damage to the electronics module as a result of poorly conditioned power.

Plug-In Monitoring plus Transient Surge, Lightning & Spike Protection for the Ensite Motor

Model #: ENPRO

Circuit/Condensing/Heat Pump/24V Protector

For the most comprehensive protection, a system should include both a motor protector and at least one of the following.



ZAP-PRO
Monitored Transient, Surge, Lightning, & Spike Protection for Circuit Boards & Units
The most common cause of electronic control board failure is damage to the electronics module as a result of poorly conditioned power.

Plug-In Monitoring plus Transient Surge, Lightning & Spike Protection for Circuit Boards & Units

Can be installed on a heat pump unit, condensing unit, or on a circuit board.

Model #: ZAP-PRO



PRO-24
Monitored Transient, Surge, Lightning, & Spike Protection for 24V Controlled Systems
The most common cause of HVAC control board failure is damage to the electronics module as a result of poorly conditioned power.

Plug-In Monitoring plus Transient Surge, Lightning & Spike Protection for 24V Controlled Systems

Best installed at step-down transformers output leads.

Model #: PRO-24

How They Work!

Zebra HVAC motor protectors are designed to protect 120 and 240 VAC. The motor protectors react when voltage exceeds 135 VAC per leg with respect to ground. They convert the excess voltage into heat causing the MOV's to breakdown and their poles short together permanently. This reaction will cause a discoloration in the packaging. Replace the Zebra Protector - it has done its job of protecting the motor!



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