

# M2A20 Installation Instructions



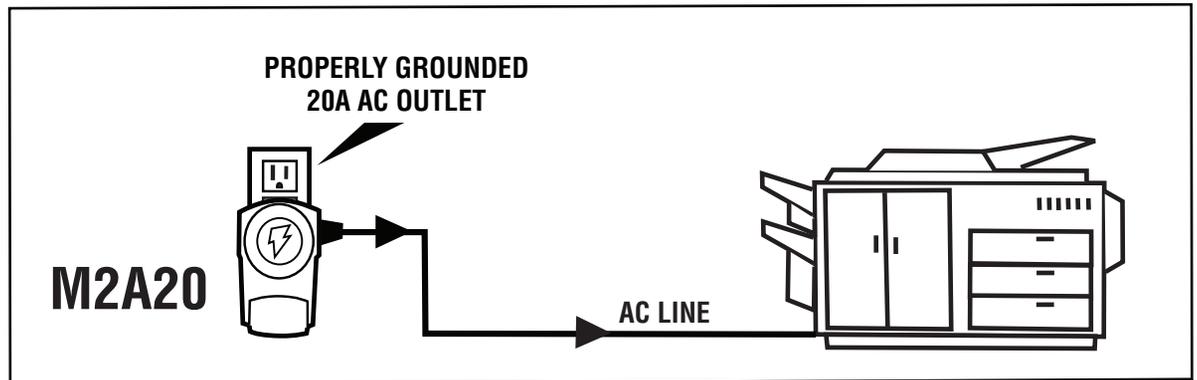
Plug into lower outlet to keep upper outlet available and for the stability bumper on the bottom back side of the protector is against the wall and not against the outlet plate.

## Quick Start

1. Plug the M2A20 surge protector into a 20A wall outlet. A green "**Ground OK**" light indicates proper wiring. A red "**Line Fault**" light indicates an improperly wired outlet that must be checked by a qualified electrician.
2. If the green "**Ground OK**" light is on, plug your equipment into the AC outlets on the surge protector.
3. Turn the connected equipment ON and check for power and correct operation.
4. Equipment cords may be secured to the bottom of the surge protector using standard zip-ties.

**FOR PROPER PRODUCT INSTALLATION, STABILITY BUMPER SHOULD NOT BE IN CONTACT WITH THE RECEPTACLE COVER PLATE.**

## TYPICAL INSTALLATION



### Overview

The M2A20 provides surge and over-voltage protection for high current AC-only electronic devices, such as copiers/printers and audio amplifiers. (See Properly Connecting Your Equipment to Surge Protector regarding signal line connections).

The M2A20 is equipped with 2 AC 20 Amp outlets. It also features Panamax's exclusive Protector or Disconnect™ circuitry which handles an unlimited number of surges and will disconnect the power during a catastrophic surge to keep your equipment safe.

In addition, the M2A20 has 3 diagnostic lights for maximum safety. They are designated as follows:

1. **GroundOK** – (green) normally ON - indicates that the wall outlet is properly grounded.
2. **Line Fault** – (red) normally OFF - when lit, indicates that the wall outlet is improperly wired.
3. **Power ON / Protection OK** - (green) normally ON - indicates that the power is on, surge protector is functioning properly, and all connected equipment is protected.

Full protection and proper operation occurs when two green lights are lit.

### Properly Connecting Your Equipment to Surge Protector

To completely protect your equipment from power surges, every wire leading into or out of the equipment you want to protect must be connected to the appropriate Panamax surge protector. Damaging lightning and power surges can get into your system through any AC power or signal line(phone lines, grounding wires, coax cables, modem cables, etc.) connected to your electrical equipment.

**CAUTION** - Do not install this device if there is not at least 10 meters (30 feet) or more of wire between the electrical outlet and service panel.

The \$100,000 Connected Equipment Protection Policy is invalid if anywire leading into or out of the equipment is not properly connected to the appropriate Panamax surge protector(s). The surge protector must also be plugged into a properly wired and grounded outlet. Please see the warranty for details or contact the Panamax Customer Service department with questions.

### Important Safety Point

Panamax surge protectors and the connected equipment must be indoors in a dry location and in the same building. Do not install any Panamax product near heat emitting appliances such as a radiator or heat register.

Do not install this product where excessive moisture is present; for example, near a bathtub, sink, pool, basement floor, fishtank, etc.

It is not uncommon for a building to be improperly grounded. In order to protect your equipment, and validate the warranty, Panamax products must be plugged into a properly grounded 3-wire outlet.

Additionally, building wiring and grounding must conform to applicable NEC (USA) or CEC (Canada) codes for the Panamax warranty to be valid.

Do not use 2-prong adapters with this product. If an extension cord is required, use only a Panamax extension cord. If at any time your surge protector indicates a Line Fault, call your electrician to correct the building wiring.

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Panamax LLC, 1690 Corporate Circle • Petaluma, CA 94954  
707-283-5900 • 800-472-5555 • Fax - 707-283-5901

[www.panamax.com](http://www.panamax.com)

Customer Relations

7:30 AM – 4:30 PM, M-F, Pacific Time (PST)

Email - [custrelations@panamax.com](mailto:custrelations@panamax.com)