

WHY GRID STABILITY AND SURGE PROTECTION MATTERS

As the electrical grid faces growing strain from modern technology and aging infrastructure, protecting your HVAC/R equipment is more critical than ever. These systems are essential to maintaining climate control, air quality, and refrigeration—and without surge protection, they're vulnerable to voltage fluctuations and transient spikes. Unstable power can cause serious damage, leading to costly downtime and repairs.

WHAT IS AFFECTING THE ELECTRICAL GRID?

1. **Peak Demand Loads** - HVAC/R systems often run hardest during peak hours, contributing to high electricity demand
2. **Start-Up Power Surges** - Large commercial HVAC/R units can cause power surges when starting up, especially compressors and motors.
3. **Electrification Trends** - Moving from fossil fuels to electric heat pumps, creates an increase in the electrical load
4. **Climate Impact** - Increase in cooling loads, especially in regions that are not historically designed for high temperatures

WHY CHOOSE ICM CONTROLS FOR YOUR SURGE PROTECTION NEEDS?

1. **Safety & Protection is Top-of Mind**
Our controls are tested to meet UL and agency standards, ensuring your equipment is protected to the products specifications.
2. **Industry Leading Warranty** -
ICM offers limited lifetime warranties and connected equipment coverage, providing peace of mind and financial protection.
3. **Designed & Assembled in USA** -
Ensuring quality control, faster lead times and lower cost to the contractor all while supporting domestic manufacturing.



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THE IMPORTANCE
OF PROTECTING YOUR

HVAC INVESTMENT

WITH SURGE PROTECTION

COMMERCIAL





ENTRY LEVEL SURGE PROTECTION FOR COMMERCIAL EQUIPMENT

Designed to protect valuable heating and cooling equipment when too much power or a “surge” occurs.

ICM518

- Service entrance coverage
- Cost-effective, reliable and easy to install both indoors and outdoors
- Limited lifetime product, up to a 3-year \$10,000 connected equipment warranty



ICM530

- Service voltage: 240VAC Delta or 120/208VAC Wye
- Installed as a Type1 or Type2 device for both indoor and outdoor applications
- Limited lifetime product, up to a 3-year \$10,000 connected equipment warranty

ICM531

- Service Voltage: 480VAC Delta or 277/480 VAC Wye
- Installed as a Type1 or Type2 device in for both indoor and outdoor applications
- Limited lifetime product, up to a 3-year \$10,000 connected equipment warranty



ADVANCED LEVEL PROTECTION: Too much power or not enough power

Designed to protect valuable inverter heating and cooling equipment when too much power “surge” or not enough power “brown out” occurs.

THREE-PHASE COMBINATION DEVICES:

3VMS-60-208

3-Phase Line Voltage Monitor with Surge Protection and Contactor

- Pre-wired for 208/240VAC with field replaceable components
- Provides dual functionality at a lower cost
- Real time date and time of fault events to aid in troubleshooting
- Offers a 3-year, \$10,000 connected equipment warranty



3VMS-60-480

3-Phase Line Voltage Monitor with Surge Protection and Contactor

- Pre-wired for 480VAC with field replaceable components
- Comprehensive electrical protection incorporating surge protection, line voltage monitoring and contactor
- Real time date and time of fault events to aid in troubleshooting
- Offers a 3-year, \$10,000 connected equipment warranty



HAVE YOU EXPERIENCED ANY OF THE FOLLOWING?

Take the quiz below to see if surge protection is the right choice for the heating and cooling system in your home.

Ask Yourself the Following Questions	Yes	No
Do you encounter heat waves or cold snaps in your region?	☐	☐
Are you affiliated with a data center, hospital, or supermarket?	☐	☐
Is equipment efficiency and lifetime expectancy important to you?	☐	☐
Do you have any smart controls connected to your HVAC/R equipment?	☐	☐
Do you have a furnace, heat-pump, inverter or mini-split system?	☐	☐
Do you have a back-up generator?	☐	☐
Is it important for you to protect your heating and cooling equipment?	☐	☐

If you answered “Yes” to any of the questions above, talk to your preferred HVAC contractor about an ICM Controls surge protector today!

