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Surge
Protection
Checklist



Intermatic Incorporated
7777 Winn Road
Spring Grove, IL 60081

Compressor Defender™ CD1-024R Type 2 HVAC Surge Protective Device with Voltage monitoring

Installs onto the AC disconnect to protect compressors, capacitors, contactors and circuit boards in residential and light commercial, central AC and heat pump condensing unit applications from surges, brownouts and system short-cycling.

- Heating and Air-Conditioning Surge & Power Protection Solution
- Surge and Brown-out protection with 3-minute short-cycle delay feature
- Extra-bright LED indicator-lights provide easy trouble-shooting with visible protection status
- 3yr/\$7,500 connected equipment warranty
- Meets all UL 1449, 4th Edition standards
- Type 3R weatherproof and UV resistant enclosure
- 18 in. 10 gauge copper leads for surge application
- Provided 10 ft, 18g, 24V low-voltage, UL Outdoor Rated Thermostat cable
- Robust TPMOV® Surge Technology with arc-shield
- Quick install inside condensing unit or externally on AC disconnect
- Complies with ANSI/AHRI Standards 110-2016 Range B for voltage drop protection
- Auto-sense voltage, single-phase technology 120/208-240 VAC
- Pair with AG3000 for complete layered protection of all your HVAC equipment

The AG3000 and Compressor Defender™ Power Protection Duo

Industry's most trusted for unmatched protection from damaging surges, brownouts and system short cycling.





AG3000 Type 1 or 2 HVAC Surge Protective Device

Connects to the AC disconnect to protect Mini-Split, Air-Handler, Condensing Unit, High-Efficiency Furnace and Hydronic heating systems from surges and spikes.

- Heating and Air-Conditioning Surge Protection Solution
- Extra-bright LED indicator-light provides visible protection status
- 3yr/\$7,500 connected equipment warranty
- Meets all UL 1449, 4th Edition standards
- Type 4X weatherproof and UV resistant enclosure
- 18 in. 10 gauge tinned copper leads
- Robust TPMOV® Surge Technology with arc-shield
- 120/240 VAC Single Phase
- Quick install onto AC disconnect or Furnace switch-box
- Pair with CD1-024R for complete layered protection of all your HVAC equipment



Scan to
watch the
AG3000 video.

Your Heating and Air-Conditioning equipment is at risk!
Today's HVAC equipment requires protection from damaging surges and poor power quality events.



Meet Intermatic's dynamic duo of power protection for HVAC equipment: The AG3000 and Compressor Defender™

Surges, or transients, are brief overvoltage spikes or disturbances on a power waveform that can damage, or destroy electronic equipment within your home. Protect vital and expensive air conditioning components, which are not covered by the manufacturer, against damage as a result of lightning or operation of electrical appliances/equipment at voltages other than the range specified on the unit name plate (includes damages caused by brownouts). Our powerful tag team of the AG3000 and the Compressor Defender™ provides unsurpassed layered protection.

Designed with trusted, state-of-the-art technology, nothing compares to these proven protection performers.

- Heating and Air-Conditioning Surge & Power Protection Solution
- Pair our AG & CD on all your HVAC equipment for complete layered protection
- Complete investment protection and "Peace-of-Mind"
- 3yr/\$7,500 connected equipment warranty
- Outdoor Enclosure with Quick install onto AC disconnect
- 120/240 VAC Single-Phase