

**Make the switch to Intermatic for unmatched protection from surges, brownouts and system short cycling.**



Today's HVAC equipment is more technologically advanced and expensive; yet, it remains susceptible to damage from poor power quality. 86% of homeowners are at risk of incurring thousands of dollars in replacement costs because their HVAC equipment is not properly protected.



**Surges happen. So do brownouts and short cycles. We've got you covered.**  
**Meet the dynamic duo of power protection for HVAC equipment:**  
**The AG3000 and Compressor Defender™**

Power disturbances damage air conditioner compressors without warning. Protect vital and expensive air conditioning system components from out-of-warranty coverage caused by power quality issues, such as brownouts, surges and short cycles with a comprehensive solution. Our powerful tag team of the AG3000 and the Compressor Defender™ provides unsurpassed layered protection from brownouts, surges and short cycles.

- Fast, 10-minute or less installation onto disconnect
- Minimize nuisance callbacks to save time and money
- Industry-leading 3-year, \$7,500 connected equipment warranty on compressor and all electronic parts
- Intuitive and easy-to-troubleshoot LED status indicators
- The perfect upsell to seasonal service programs, providing peace-of-mind
- No out-of-warranty costs

Designed with trusted, state-of-the-art TPMOV® (Thermally Protected Metal Oxide Varistor) technology, none can compare to these proven performers! The TPMOV® eliminates the potentially hazardous failure modes that are associated with standard MOV technology.

## AG3000 HVAC Surge Protection

Connects to the furnace/air handler disconnect to protect high-efficiency furnaces, hydronic heating systems and ductless mini-splits from surges and spikes.

- Unmatched surge protection ratings
- 120/240 VAC single split phase SPD for use on a variety of HVAC equipment
- Green LED protection indicator
- Meets all UL 1449, 4<sup>th</sup> Edition standards
- Type 4X weatherproof and UV resistant enclosure
- 18 in. 10 gauge leads
- State-of-the-art TPMOV® technology



## AG3000 Specifications

Model #	Description	Service Voltage	SPD Type	Nominal Discharge Current	Max. Continuous Operation Voltage	Short Circuit Current Rating	Enclosure
AG3000	HVAC Surge	120/240 VAC	1 or 2	20 kA	L-N/G: 150 V, L-L: 300 V	100 kA	Type 4X

## Compressor Defender™ Brownout, Surge and Short Cycle Protection

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

- 120, 208 and 240 VAC loads
- LED indicators provide real-time status updates for quick and easy troubleshooting
- For use inside condensing units or externally on disconnects
- Complies with ANSI/AHRI Standard 110-2016 Range B for voltage drop protection
- Auto-sense voltage technology 120/208-240 VAC universal input voltage
- Meets ANSI/UL 1449, 4<sup>th</sup> Edition requirements
- Type 3 weatherproof and UV resistant enclosure
- State-of-the-art TPMOV® technology



## Compressor Defender™ Specifications

Model #	Description	Service Voltage	SPD Type	Nominal Discharge Current	Max. Continuous Operation Voltage	Short Circuit Current Rating	Enclosure
CD1-024R	<b>Brownout, Surge And Short Cycle Protection</b>	120/208-240 VAC	2	20 kA	L-N/G: 150 V, L-L: 300 V	100 kA	Type 3 Outdoor
	Thermostat Relay	Control Output	Undervoltage Response Time	Power Disruption Response Time	Short Cycle Delay	Undervoltage Protection ANSI/AHRI Standard 110-2016	
	NC 24 VAC	2 A @ 24 VAC NC	5 Line Cycles*	3-Line Cycles	3 Min.	120	208/230
						104	180

\*Typical Response Time

## No nonsense 3-year, \$7,500 warranty.

Intermatic's power protection warranty is second to none and goes beyond simply covering electro-mechanical components. We cover all electronic connected equipment parts up to \$7,500.

## Spend 10 minutes now, save yourself a call-back later.

Take the 10-minute challenge: Install one of these protective devices today and see how it can save you time and money.

- Realize an easy upsell to seasonal service programs
- Solidify customer relationships – Just a 2% increase in customer retention has the same effect on a contractor's bottom line as cutting cost by 10%.

Lighting Controls | Surge Protection | Weatherproof | Photo Controls | Timers | Defrost/Refrigeration Controls

**Intermatic**

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