compressor **defender**™

It Takes The Hit
So Your Business Doesn't

Power disturbances damage air conditioner compressors without warning.

Let the Compressor Defender™ take the hit, so your customers' air conditioners are never interrupted. The all-in-one Compressor Defender™ device protects compressors and circuit boards in residential and light commercial cooling applications from brownouts, surges and short cycles.

It helps grow your business's profitability and solidify customer relationships by reducing:

- Nuisance callbacks
- Unnecessary service calls
- Out-of-warranty costs

One 10-minute installation saves compressors and revitalizes your bottom line

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compressor defender™

CD1-024R

Protect Your Residential and Light Commercial Compressors

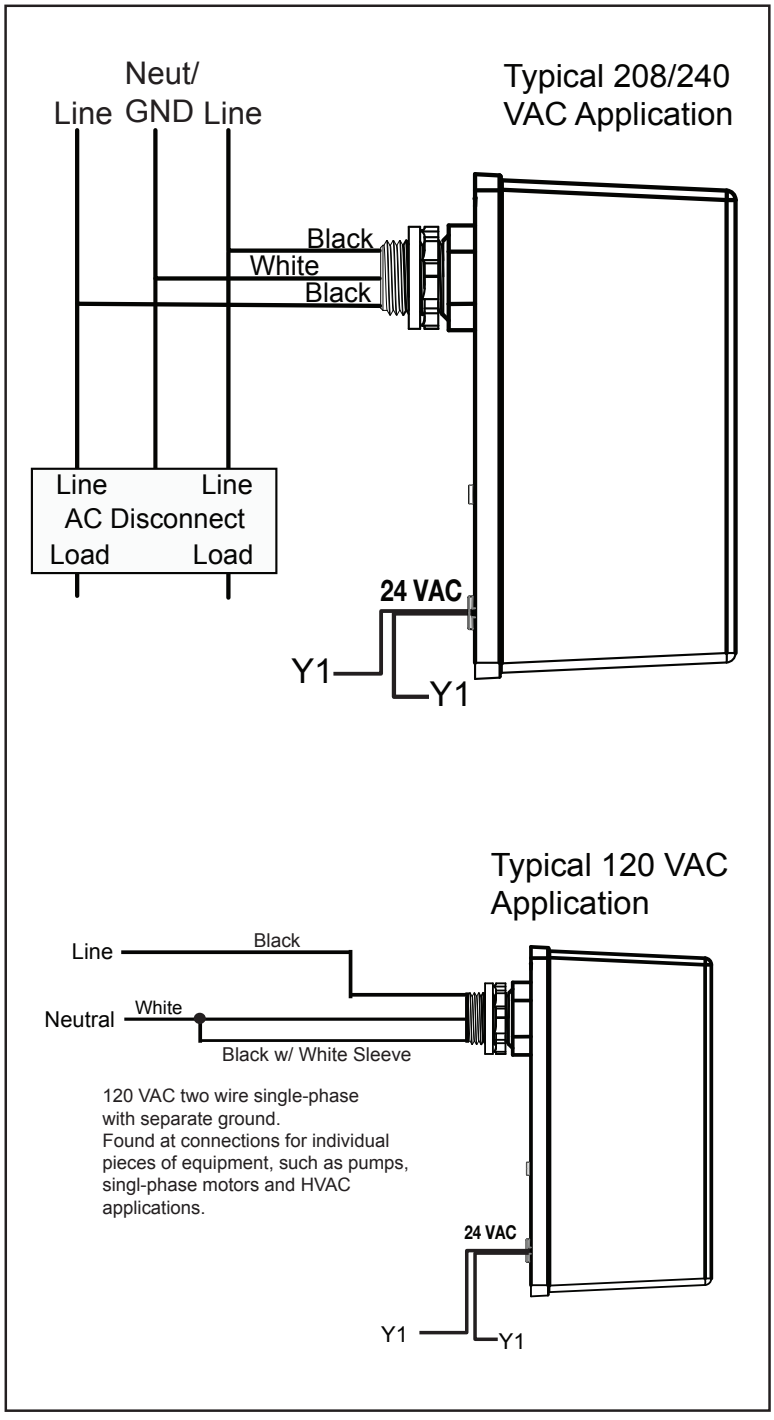
- Surge, brownout and short cycle protection with 120, 208 and 240 VAC loads
- LED indicators provide real-time status updates for quick and easy troubleshooting
- For use inside condensing units or externally on disconnects
- Complies with ANSI/AHRI Standard 110-2016 Range B for voltage drop protection
- Auto-sense voltage technology 120/208-240 VAC universal input voltage
- Meets ANSI/UL 1449, 4th Edition requirements

Ratings

Input Voltage:	120/208-240 VAC Single-Phase, 60 Hz
Thermostat Relay:	Normally Closed Relay, 24 VAC
SPD Type:	Type 2 SPD
Control Output Current Rating:	2 A @ 24 VAC, isolated NC contact
Max Continuous Operating Voltage (MCOV):	L-N/G: 150 V, L-L: 300 V
Voltage Protection Rating (VPR):	L-N/G: 700 V, L-L:1200 V
Nominal Discharge Rating (In):	10 kA
SCCR (Short Circuit Current Rating):	20 kA
Undervoltage Response Time:	5 line cycles*
Power Disruption Response Time:	3 line cycles*
Short Cycle Delay:	3 min
Operating Temp:	-40° F to 158° F (-40° C to 70° C)
Enclosure:	Type 3 Outdoor
Product Warranty:	3-year limited
Connected Equipment Warranty:	3-year/$7,500

*Typical Response Time

Typical Wiring Applications



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