



A Versatile Defense Against Power Surge Events

Harmful power surge events and power quality issues can destroy HVAC equipment, water-source heat pumps, and air-source heat pumps in an instant. Help homeowners safeguard their investments by installing the COMPRESSOR DEFENDER® from Intermatic.

Our robust solution can be installed on the AC disconnect to protect heat pump compressors and circuit boards from power surges, undervoltage, and power disruption events. Each unit includes a 3-year, \$7,500 connected equipment warranty.

One Solution, Multiple Applications



Central A/C Units

Keep central air-conditioning systems running all season long



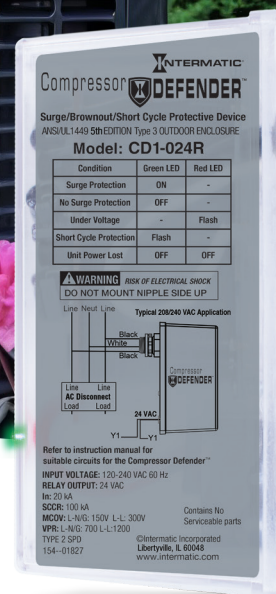
Water-Source Heat Pumps

Enjoy a worry-free swimming season by protecting pool and spa heat pumps



Air-Source Heat Pumps

Safeguard your home heating and cooling system



CD1-024R

A No-Brainer for New Pool Construction

Give homeowners peace of mind during new pool builds by including the COMPRESSOR DEFENDER as part of the pool pad bundle and protect against power quality issues



Key Features

- **Simple Installation** – Install the COMPRESSOR DEFENDER on the outdoor A/C disconnect (recommended) or inside the condensing unit
- **Trusted Protection** – Autosense voltage technology protects equipment at any voltage from 120-240 VAC; built-in TPMOV® technology eliminates potentially hazardous failure modes that are often associated with standard MOV technology
- **Multiple Applications** – HVAC professionals can break the low voltage contactor to adapt the COMPRESSOR DEFENDER to a range of applications, including water-source (pool-spa) heat pumps and air-source residential or light commercial heat pumps
- **Visual Indicators** - Two LED indicators provide the real-time status of the unit for quick and easy troubleshooting and easy visibility for homeowners

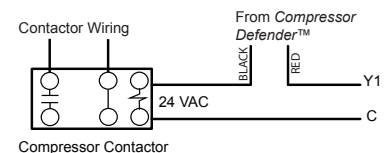


Specifications

- Input Voltage: 120/208-240 VAC Single Phase, 60 Hz
- Complies with ANSI/AHRI Standard 110-2016 Range B for voltage drop protection
- Short cycle delay 3 min
- Power disruption response time = 3 line cycles
- SPD Type: Type 2
- Mode of Protection: 3 (L1-N, L2-N, L1-L2)
- Control Output Current Rating: 2 A @ 24 VAC, isolated NC Contact
- Max Continuous Overvoltage (MCOV): L-N/G: 150, L-L 300
- Voltage Protection Rating (VPR): L-N/G: 700, L-L: 1200
- Nominal Discharge Rating (In): 20 kA
- SCCR: 100 kA
- Maximum Surge Current Rating: 50 kA
- Warranty: 3-year limited
- Connected Equipment Warranty: 3-year/\$7,500



*Voltage monitor wiring example. Breaking power to the 24 VAC contractor will switch the contractor to the Off position



Contact your local Intermatic representative today to learn how you can integrate the COMPRESSOR DEFENDER into HVAC and pool and spa projects this season!