

MARS HVAC Surge Protective Device

The **iSPD** (*Intelligent Surge Protection Device*) offers comprehensive protection for your HVAC equipment.

The MARS 83907 Surge Protection Device is designed to provide maximum compressor protection from harmful power surges, transients and over-voltages utilizing the latest Thermally Protected MOV technology.

In addition, the module microprocessor technology monitors line voltage to protect the compressor from starting or running during "brown outs" and low line voltage. The module also monitors refrigerant temperatures to identify coil freeze-up and or low refrigerant issues.

If the module detects a low voltage or refrigerant issue the compressor is shut down. The module will automatically reset when specified operating parameters are restored and determined to be stable.

In the event of diminished surge protection or failure, the compressor will not be allowed to start until the module is replaced.

Protects the Following Equipment and Components:

- Compressors
- Heat Pumps
- Control & Defrost Boards
- Reversing Valves
- Sensors & Relays
- ECM Motors
- Transformers

Plus:

- Low Voltage Protection
- Coil Freeze-up / Low Refrigerant Detection
- Short Cycle Guard

Features:

- Easy installation to disconnect box
- Weatherproof 4X enclosure
- Fits 1/2" knockouts
- Green & Red LED status indicators
- Thermally protected MOV's
- 240V single phase 50/60Hz
- Max surge current 10,000 A
- Max continuous over voltage L-N 150V / L-L 300V
- Voltage protection rating L-N 700V / L-L 1000V
- 3 Year warranty
- \$7,500 Connected equipment warranty

240 VAC Single Split Phase SPD for use on a variety of HVAC Equipment

Microprocessor Based Controls

LED Status Indicators

18 in. 10 Gauge Leads

Meets all UL 1449 4th Edition Standards

1/2 inch x 20 Threaded Nipple

Unmatched Surge Protection Ratings
Type 4x
Weatherproof Enclosure
UV Resistant

MARS Surge Protective devices utilize Thermally Protective MOV surge technology

MARS NO.	VOLTAGE	WIRE CONFIGURATION	SPD TYPE	MCOV	ENCLOSURE	UL 1449 4TH EDITION
83907	240	L1,L2,L/N-G	1 or 2	150/300	Type 4X	cULus