

# When Mother Nature Strikes... **Strike Back!**

## With **MARS** Surge Protectors

**83904**  
**120V HVAC**  
**Surge Protective Device**



**MARS**  
MODEL 83904  
SURGE PROTECTIVE DEVICE  
GREEN INDICATOR:  
ON: UNIT OPERATING PROPERLY  
OFF: PROTECTION UNAVAILABLE  
REPLACE UNIT IMMEDIATELY  
UL 1449 4th Edition  
120 VAC 50-60 Hz  
VPR: L-G 750V, MCOV: L-G 150V  
In: 10kA, SCCR: 10kA  
Type 1 or 2 SPD

**83905**  
**120/240V HVAC**  
**Surge Protective Device**



**MARS**  
MODEL 83905  
SURGE PROTECTIVE DEVICE  
GREEN INDICATOR:  
ON: UNIT OPERATING PROPERLY  
RED INDICATOR:  
ON: PROTECTION UNAVAILABLE  
REPLACE UNIT IMMEDIATELY  
UL 1449 4th Edition  
120/240 VAC 50-60 Hz  
VPR: L-G 700V / L-L 1200V  
In: 10kA, SCCR: 25kA  
MCOV: L-G 150V / L-L 300V  
Type 1 or 2 SPD

**83907**  
**iSP**  
**iNtelligent Surge Protection**



**MARS**  
MODEL 83907  
SURGE PROTECTIVE DEVICE  
GREEN INDICATOR:  
FLASHING: FROZEN LINE  
ON: UNIT OPERATING PROPERLY  
RED INDICATOR:  
FLASHING: UNDER VOLTAGE  
ON: PROTECTION UNAVAILABLE  
REPLACE UNIT IMMEDIATELY  
UL 1449 4th Edition  
120/240 VAC 50-60 Hz  
VPR: L-G 700V / L-L 1200V  
In: 10kA, SCCR: 25kA  
MCOV: L-G 150V / L-L 300V  
Type 1 or 2 SPD

**83915**  
**60 Amp Non-Fused**  
**Disconnect With Internal**  
**Surge Protection**



## No matter where you live, your home will experience power surges and spikes.

Power surges are the silent killer for home appliances and HVAC equipment. Most homeowners protect their electronics, but leave the more valued equipment unsecured. Power surges can wipe out your HVAC equipment and leave you searching for answers as well as costing you significant dollars in replacement costs. Hopefully, this occurrence is not when the outside temperature is 98 degrees.

Speaking of cost..... How much is your peace of mind during the next storm or power surge worth?



### Product & Connected Device Warranty

#### Warranty Guidelines & Procedures

### 3 Year Product Warranty \$7,500 Connected Device Warranty

Easy to file a claim:

- File a claim with your Homeowners insurance and supply them with a copy of the MARS SPD warranty & claim form
- Return the Surge Protection device to the address on the warranty form along with the complete claim form

**MARS Surge Protective devices utilize Thermally Protective MOV surge technology**

## MARS HVAC Surge Protective Device

### Protects:

- 120V Ductless Systems
- Furnace & Air Handlers
- Inverter Boards
- ECM Motors
- Control Boards
- Transformers
- Relays
- Sensors

### Features:

- Easy 2 Wire Installation
- 10" Pre-stripped Leads
- Green LED Status Indicator
- Thermally Protected MOVs
- 120V Single Phase 50/60Hz
- Short Circuit Current Rating
  - 10,000 Amps
- MCOV L-G 150V
- Voltage Protection Rating
  - L-G 700V
- UL 1449 4th Edition
- Type 1 or 2 Surge Protection Rating



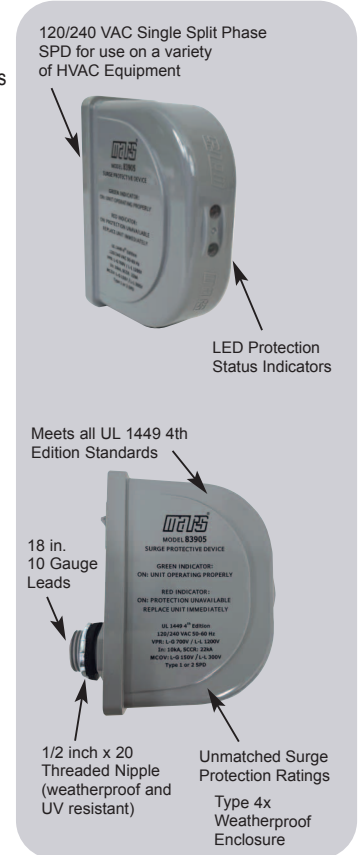
## MARS HVAC Surge Protective Device

### Protects:

- Compressors
- Heat Pumps
- Ductless Systems
- Inverter Boards
- ECM Motors
- Control Boards
- Transformers
- Relays
- Sensors

### Features:

- Easy Installation to Disconnect
- Weatherproof 4X Enclosure
- 18" Pre-stripped Leads
- Green & Red LED Status Indicators
- Thermally Protected MOVs
- 120/240V Single (Split) Phase 50/60Hz
- Short Circuit Current Rating
  - 22,000 Amps
- MCOV L-G 150V / L-L 300V
- Voltage Protection Rating
  - L-G 700V / L-L 1200V
- UL 1449 4th Edition
- Type 1 or 2 Surge Protection Rating



MARS NO.	VOLTAGE	WIRE CONFIGURATION	SPD TYPE	MCOV	ENCLOSURE	UL 1449 4TH EDITION
83904	120	L-G	1 or 2	150	Type 2	cULus

MARS NO.	VOLTAGE	WIRE CONFIGURATION	SPD TYPE	MCOV	ENCLOSURE	UL 1449 4TH EDITION
83905	120/240	L-L, L-G	1 or 2	150/300	Type 4X	cULus

## MARS HVAC iSP

The iSP (*i*ntelligent Surge Protection) 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's 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:

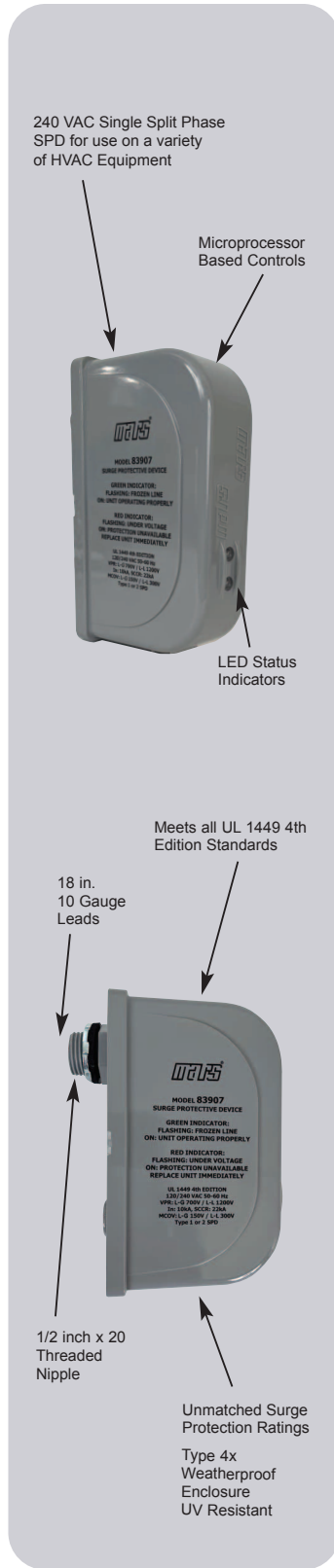
- Compressors
- Heat Pumps
- Control & Defrost Boards
- Reversing Valves
- Sensors & Relays
- ECM Motors
- Transformers

### Plus:

- Brown Out Protection
- Over 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-G 150V / L-L 300V
- Voltage protection rating L-G 700V / L-L 1200V



## MARS Side Open Disconnect with Internal Surge

MARS Disconnects with integrated surge protector provide a unitized design for quick and clean installation. The metal weather-resistant enclosure provides additional robustness and security. MARS Surge Protectors provide the performance necessary to protect critical components in high efficiency mini-split and unitary HVAC equipment.

### Protects:

- Compressors
- Heat Pumps
- Ductless Systems
- Inverter Boards
- ECM Motors
- Control Boards
- Transformers
- Relays
- Sensors

### Features:

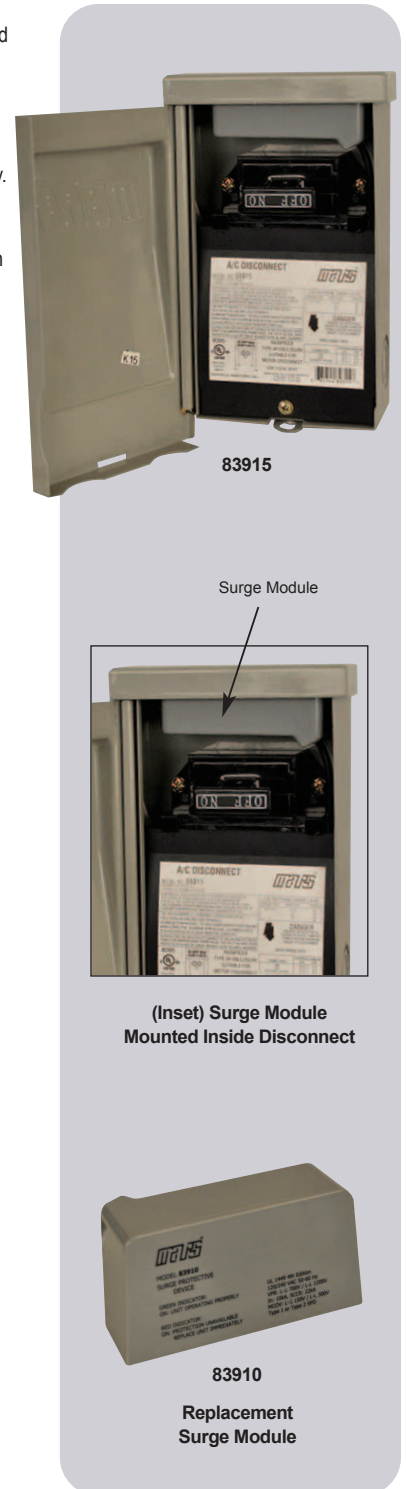
- Side open disconnect
- Integrated internal surge protector
- Thermally Protected MOV's
- Metal-weather resistant enclosure
- External - Green & Red LED Status Indicators

### Specifications Disconnect:

- Single phase 240V
- 10,000 Amp rating
- NEMA 3R enclosure
- Weather proof enclosure

### No. 83910 Surge Protector Ratings:

- 120/240V Single (Split) Phase 50/60Hz
- Short Circuit Current Rating
  - 22,000 Amps
- MCOV L-G 150V / L-L 300V
- Voltage Protection Rating
  - L-G 700V / L-L 1200V
- UL 1449 4th Edition
- Type 1 or 2 Surge Protection Rating



MARS NO.	DESCRIPTION	ENCLOSURE	INCLUDES SURGE PROTECTOR
83915	60 Amp Non-Fused w/Surge Module	NEMA 3R, Rainproof	MARS NO. 83910
83916	30 Amp Fused w/Surge Module	NEMA 3R, Rainproof	MARS NO. 83910
83917	60 Amp Fused w/Surge Module	NEMA 3R, Rainproof	MARS NO. 83910

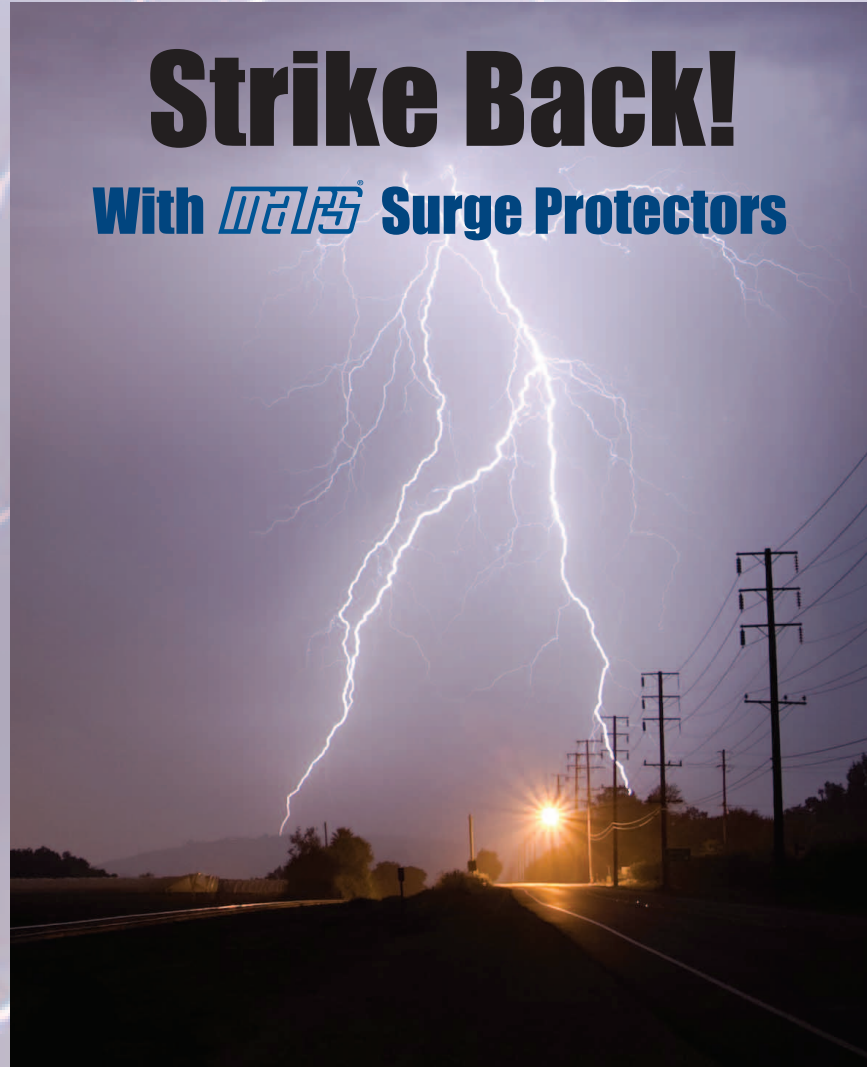
MARS NO.	DESCRIPTION
83910	Replacement Surge Module For 83915, 83916 and 83917

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



# Strike Back!

With **MARS** Surge Protectors



Technical Helpline:  
**800.678.9888**



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