PANELGUARD®

Commercial and Industrial-Grade Surge Protection



Intermatic.com

INTERMATIC®



Introducing **PANELGUARD+**

New PANELGUARD+ surge protective devices are built to take on all comers. Our battle-tested M Series and P Series solutions deliver up to 10 modes of protection and support the most rigorous industrial applications (e.g., manufacturing plants, distribution centers).



Scan the QR code to learn more

From Facility **To Fortress**

Protect commercial and industrial facilities with PANELGUARD® and PANELGUARD+ Surge Protection for Intermatic. These extensive lineup of surge protective devices is designed to safeguard modern facilities from costly power surge events.

Customizable PANELGUARD+ (M and P Series) solutions provide maximum protection in heavy-duty industrial applications, while our original PANELGUARD L Series and H Series solutions offer a lasting defense in light commercial spaces. These industrial-grade solutions are trusted to protect all types of loads fed from individual disconnects, sub-panels, distribution panels, and service locations.

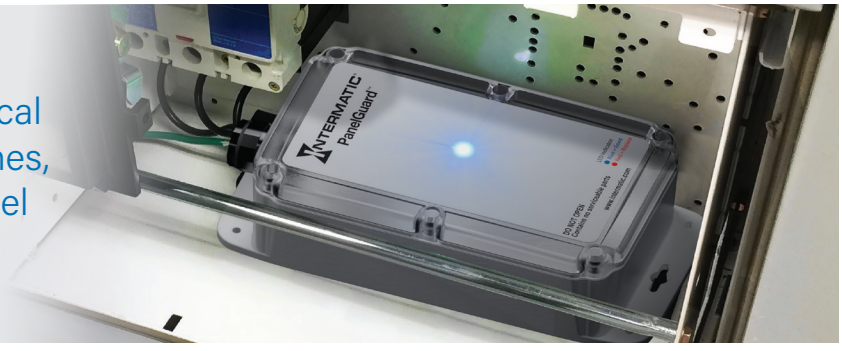
Choose PANELGUARD on new construction and retrofit projects for reliable surge protection from a brand you can trust.



Key Features

- Type 1 and Type 2 Surge Protection
- Optional Audible Alarm and Dry Relay Contacts
- Rigid Watertight Metal Hub
- 4 Modes of Protection (L Series), 7 Modes of Protection (H & M series), 10 modes of protection (P series)
- NFPA 780, UL 96A Lightning System Protection Compliant
- Optional Advanced Electrical Noise Filter (UL 1283)
- NEMA 4X Enclosure for Indoor or Outdoor Installation
- Individually Integrated Disconnect TPMOV Surge Protection Technology
- Blue LED Protection Status Indicator, and Red LED Service Indicator (L Series)
- Blue LED Status Indicator Per Phase, and Red LED Service Indicator (H, M & P series)

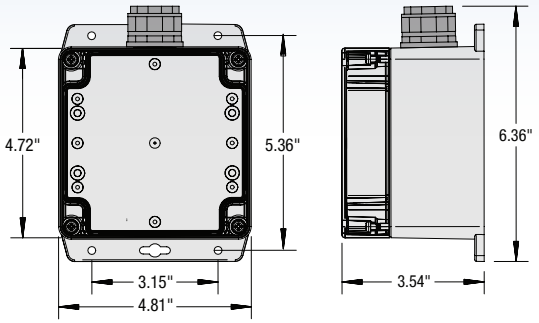
For **external mounting** on electrical distribution panels, transfer switches, switchboards, motor controls, panel boards and switchgears.



The Right SPD for Your Project

PANELGUARD makes it easy for specifiers to implement a robust surge protection solution that's tailored to meet project and application needs.

The PANELGUARD L Series offers 4 modes of surge protection and two housing options. It's an excellent choice for flexible projects that require a base level of surge protection. The upgraded PANELGUARD H Series includes 7 modes of protection in a single housing size, making for a premium defense against unexpected surge events.



Dimensional Perspective (L Series)

L Series

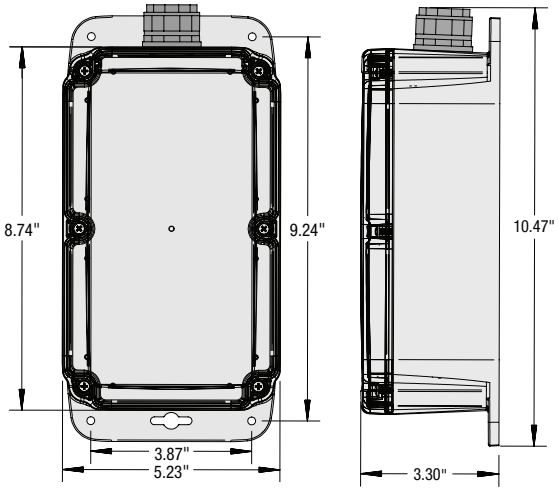
L series SPDs are the option for "loosely specified" projects where 7 modes of protection are not required.

- 4 Modes of Protection
- Large and Small Housing Options
- Blue LED Protection Status Indicator, and Red LED Service Indicator
- Optional Surge Rating of 50 kA Per Mode or 100 kA Per Phase
- 5-Year Limited Product Warranty

H Series

H series SPDs are the option for "hard specified" projects where 7 modes of protection are required.

- 7 Modes of Protection
- Large Housing
- Blue LED Status Indicator Per Phase, and Red LED Service Indicator
- Optional Surge Rating of 100 kA Per Mode or 200 kA Per Phase
- 10-Year Limited Product Warranty



Dimensional Perspective (L10 and H Series)

MCOV and VPR Ratings

		MCOV LG	MCOV LL	MCOV LN	MCOV NG	VPR LN	VPR LL	VPR LG	VPR NG
H10 Series	120-240 VAC 1 Ph	150	300	150	150	700	1200	700	700
	120/208 VAC 3Ph Wye	150	300	150	150	600	1000	600	700
	120/240 VAC 3Ph High Leg Delta	150/300*	300/300*	150/300*	150	700/1200*	1200/1800*	700/1200*	700
	277/480 VAC 3Ph Wye	320	640	320	320	1200	2500	1200	1200
	347/600 VAC 3Ph Wye	400	800	400	400	1500	2500	1500	1500
H20 Series	120-240 VAC 1 Ph	150	300	150	150	700	1200	700	700
	120/208 VAC 3Ph Wye	150	300	150	150	700	1000	700	700
	120/240 VAC 3Ph High Leg Delta	150/300*	300/300*	150/300*	150	800/1200*	1200/2000*	700/1200*	700
	277/480 VAC 3Ph Wye	320	640	320	320	1200	2500	1200	1200
	347/600 VAC 3Ph Wye	400	800	400	400	1500	3000	1500	1500
L5 Series	120-240 VAC 1 Ph	150	300	150	150	700	1200	1200	600
	120/208 VAC 3Ph Wye	150	300	150	150	700	1200	1200	600
	120/240 VAC 3Ph High Leg Delta	150/300*	300/300*	150/300*	150	700/1200*	1200/2500*	1200/1800*	600
	277/480 VAC 3Ph Wye	320	640	320	320	1200	2500	2500	1200
	347/600 VAC 3Ph Wye	420	800	420	420	1500	3000	3000	1500
L10 Series	120-240 VAC 1 Ph	150	300	150	150	700	1000	1000	700
	120/208 VAC 3Ph Wye	150	300	150	150	700	1200	1200	600
	120/240 VAC 3Ph High Leg Delta	150/300*	300/300*	150/300*	150	600/1200*	1200/2000*	1200/2000*	700
	277/480 VAC 3Ph Wye	320	640	320	320	1200	2500	2500	1200
	440/480 VAC 3Ph Delta	552	552				4000	1800	
	347/600 VAC 3Ph Wye	420	800	420	420	1500	3000	3000	1500

* Is with reference to the Phase High Leg

PANELGUARD **L Series** Offering

L5 SERIES (5-Year Limited Product Warranty)

4 MODE MAX SURGE CURRENT 50 kA Per Phase, SCCR rating of 200kA and In rating of 20kA, Blue LED Protection Status Indicator and Red LED Service Indicator

Intermatic Part #	SPD Type	Audible Alarm, Dry Relay Contact	Filter	Voltage Code
L5F21S1DG1	2		EMI/RFI FILTER	(SPLIT PHASE 120/240 V)
L5F21S1DG2	2	Yes	EMI/RFI FILTER	
L5F13D1DG1	1			(3 PHASE HIGH LEG DELTA 120/240 V)
L5F13D1DG2	1	Yes		
L5F13Y1DG1	1			(3 PHASE WYE 120/208 V)
L5F13Y1DG2	1	Yes		
L5F23Y1DG1	2		EMI/RFI FILTER	
L5F23Y1DG2	2	Yes	EMI/RFI FILTER	
L5F13Y2DG1	1			(3 PHASE WYE 277/480 V)
L5F13Y2DG2	1	Yes		
L5F23Y2DG1	2		EMI/RFI FILTER	
L5F23Y2DG2	2	Yes	EMI/RFI FILTER	
L5F13Y3DG1	1			(3 PHASE 347/600 V)
L5F13Y3DG2	1	Yes		

L10 SERIES (5-Year Limited Product Warranty)

4 MODE MAX SURGE CURRENT 100 kA Per Phase, SCCR rating of 200kA and In rating of 20kA, Blue LED Protection Status Indicator and Red LED Service Indicator

Intermatic Part #	SPD Type	Audible Alarm, Dry Relay Contact	Filter	Voltage Code
L10F11S1DG1	1			(SPLIT PHASE 120/240 V)
L10F11S1DG2	1	Yes		
L10F23D1DG1	2		EMI/RFI FILTER	(3 PHASE HIGH LEG DELTA 120/240 V)
L10F23D1DG2	2	Yes	EMI/RFI FILTER	
L10F13N4DG1	1			(3 PHASE DELTA 440/480 V)
L10F13N4DG2	1	Yes		
L10F23N4DG1	2		EMI/RFI FILTER	
L10F23N4DG2	2	Yes	EMI/RFI FILTER	
L10F13Y1DG1	1			(3 PHASE WYE 120/208 V)
L10F13Y1DG2	1	Yes		
L10F23Y1DG1	2		EMI/RFI FILTER	
L10F23Y1DG2	2	Yes	EMI/RFI FILTER	
L10F13Y2DG1	1			(3 PHASE WYE 277/480 V)
L10F13Y2DG2	1	Yes		
L10F23Y2DG1	2		EMI/RFI FILTER	
L10F23Y2DG2	2	Yes	EMI/RFI FILTER	
L10F13Y3DG1	1			(3 PHASE 347/600 V)
L10F13Y3DG2	1	Yes		

PANELGUARD **H Series** Offering

H10 SERIES (10-Year Limited Product Warranty)

7 MODE MAX SURGE CURRENT 100 kA Per Phase, SCCR rating of 200kA and In rating of 20kA, Blue LED Status Indicator Per Phase Red LED Service Indicator

Intermatic Part #	SPD Type	Audible Alarm, Dry Relay Contact	Filter	Voltage Code
H10S21S1DG1	2		EMI/RFI FILTER	(SPLIT PHASE 120/240 V)
H10S21S1DG2	2	Yes	EMI/RFI FILTER	
H10S13D1DG1	1			(3 PHASE HIGH LEG DELTA 120/240 V)
H10S13D1DG2	1	Yes		
H10S23D1DG1	2		EMI/RFI FILTER	
H10S23D1DG2	2	Yes	EMI/RFI FILTER	
H10S13Y1DG1	1			(3 PHASE WYE 120/208 V)
H10S13Y1DG2	1	Yes		
H10S23Y1DG1	2		EMI/RFI FILTER	
H10S23Y1DG2	2	Yes	EMI/RFI FILTER	
H10S13Y2DG1	1			(3 PHASE WYE 277/480 V)
H10S13Y2DG2	1	Yes		
H10S23Y2DG1	2		EMI/RFI FILTER	
H10S23Y2DG2	2	Yes	EMI/RFI FILTER	
H10S13Y3DG1	1			(3 PHASE 347/600 V)
H10S13Y3DG2	1	Yes		

H20 SERIES (10-Year Limited Product Warranty)

7 MODE MAX SURGE CURRENT 200 kA Per Phase, SCCR rating of 200kA and In rating of 20kA, Blue LED Status Indicator Per Phase Red LED Service Indicator

Intermatic Part #	SPD Type	Audible Alarm, Dry Relay Contact	Filter	Voltage Code
H20S21S1DG1	2		EMI/RFI FILTER	(SPLIT PHASE 120/240 V)
H20S21S1DG2	2	Yes	EMI/RFI FILTER	
H20S13D1DG1	1			(3 PHASE HIGH LEG DELTA 120/240 V)
H20S13D1DG2	1	Yes		
H20S23D1DG1	2		EMI/RFI FILTER	
H20S23D1DG2	2	Yes	EMI/RFI FILTER	
H20S13Y1DG1	1			(3 PHASE WYE 120/208 V)
H20S13Y1DG2	1	Yes		
H20S23Y1DG1	2		EMI/RFI FILTER	
H20S23Y1DG2	2	Yes	EMI/RFI FILTER	
H20S13Y2DG1	1			(3 PHASE WYE 277/480 V)
H20S13Y2DG2	1	Yes		
H20S23Y2DG1	2		EMI/RFI FILTER	
H20S23Y2DG2	2	Yes	EMI/RFI FILTER	
H20S13Y3DG1	1			(3 PHASE 347/600 V)
H20S13Y3DG2	1	Yes		

Get Started Today

Don't risk a costly equipment failure or service stoppage. Contact the Intermatic Technical Sales team to discuss how PANELGUARD can provide a lasting defense against industrial and commercial power surge issues.

Technical Support: 1(815) 675-7000 | support@intermatic.com

Product Certifications

- ANSI/UL 1449 4th Edition ANSI/UL 1283* and CSA C22.2 No. 269.2-13 and No. 8-13*(VZCA, VZCA7, FOKY*, & FOKY7*) *Type 2 SPD's only.
- NFPA 780 & UL 96A Lightning Protection Systems.
  - ANSI/IEEE C62.72-2016, ANSI/IEEE C62.41.1, C62.41.2-2002, and C62.45-2002, ANSI/IEEE C62.62-2010 environments: Categories: A, B & C.
  - 2020 National Electric Code, Article 242 (previously NEC, Art. 285), 700.10 & 708.20.

Intermatic.com

Intermatic Libertyville, IL 60048

©2026 Intermatic 300IG10320